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The Board of Directors and the Executive Program Planning Committee of the Society for Prevention Research wish to express their sincere thanks for the generous support of the 18th Annual Meeting provided by our U.S. Department of Health and Human Service funders:

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National Cancer Institute

National Institute of Mental Health

**National Institute on
Alcohol Abuse and Alcoholism**

**NIH, Office of Behavioral and
Social Sciences Research**

**Centers for Disease Control
and Prevention**

**National Institute on Child Health
and Human Development**

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The SPR Board of Directors wishes to express its sincere thanks for the generous support provided to the Society throughout the year by the following members:

Josipa Basic	William Hansen
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**JOIN YOUR
FRIENDS & COLLEAGUES**

at the
9th ANNUAL SPR FUNDRAISING DANCE
to benefit minority participant scholarships.

Dance to the music of

Mothers of Prevention

featuring your favorite musicians & colleagues:

Gil Botvin - trumpet and flugelhorn

Brian Bumbarger - drums

Celene Domitrovich - vocals

Jim Emshoff - electric piano and vocals

John Graham - guitar and vocals

David Hawkins - acoustic guitar and vocals

John Jimenez - lead guitar

Randy Swaim - bass guitar

Thursday, June 3, 2010

9:30 pm – 12:00 am

Cost: \$20, Students \$10



Linda M. Collins, President



S
P
R

Welcome to the 18th annual meeting of the Society for Prevention Research. Jenae Neiderhiser and the Annual Meeting Program Planning Committee have worked hard to create an outstanding program. On behalf of the membership and the Board I thank them for their commitment to making this a stimulating conference. If you want to convey your appreciation to Jenae and the members of the program committee, look for attendees with white ribbons on their name tags. In addition, the names of the program committee members are listed on page 14.

Every year, the SPR annual meeting devotes special attention to emergent and critical issues for the field of prevention science. This year's theme is *Cells to Society: Prevention at All Levels*. This theme recognizes the recent shift toward assessment of biomarkers for problem behaviors that have implications for prevention. One example of this is the incorporation of advances in neuroscience into prevention research. Several very interesting plenary sessions build on this theme: the first plenary session, *Epigenetics: Implications for Prevention Science*; the second plenary session, *Psychosocial and Environmental Influences on Brain Development and Psychopathology*; and the third plenary session, *Brain Research in the Context of Adolescent Development Research: Implications for Prevention Policy Aimed at Reducing High-Risk Behaviors*.

A highlight of the annual meeting will be the Presidential Plenary Address to be delivered by Dr. Tom McLellan, the Deputy Director of the Office of National Drug Control Policy (ONDCP). Tom has been responsible for revitalizing prevention efforts in ONDCP, and he has given SPR a warm welcome during his time in office. His talk will be titled *Goals and Goal Attainment*

in Translation of Prevention Science into Policy and Practice in the President's National Drug Control Strategy. A roundtable discussion follows the plenary.

I'd like to point out that the awards ceremony will be held on Wednesday evening (this is a departure from past scheduling). Immediately after the awards ceremony we will celebrate 10 years of our journal *Prevention Science*. Be sure to attend and have a piece of cake!

One of the first events of the conference will be the NIDA International Poster Session on Tuesday evening, which is now in its third year. You may want to attend the SPR Cup (Wednesday), which is always fun and exciting. The ECPN Steering Committee has developed a fine set of offerings aimed at junior prevention scientists (page 40). This year the newly established Diversity Network Committee has provided a list of the presentations that will discuss issues of ethnicity, culture, diversity, and/or disparities (page 35).

And, do not miss the Annual Minority Scholarship Dance, to be held Thursday evening 9:30 pm—12:00 am. This year our own Mothers of Prevention will be playing!

If you are not a member of SPR, please consider joining. If you are a member of SPR, please consider becoming involved. Any SPR Board member (Board members are wearing navy ribbons) can give you suggestions for ways you can contribute.

Best regards,



Linda M. Collins
President

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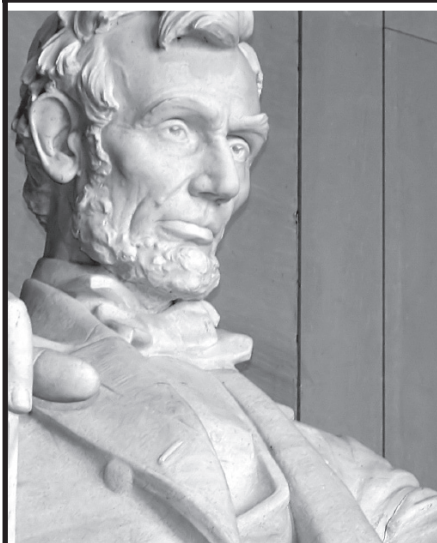
Mark Your Calendars!

TH
Annual Meeting

**SOCIETY FOR
PREVENTION
RESEARCH**



**PREVENTION SCIENTISTS
PROMOTING GLOBAL HEALTH:
EMERGING VISIONS FOR
TODAY AND TOMORROW**



Hyatt Regency Washington

Washington DC

May 31- June 3, 2011

Preconference Workshops

May 31, 2011



Welcome to Denver! I am delighted and honored to chair the 18th annual meeting of the Society for Prevention Research. This year's theme is ***Cells to Society: Prevention at all Levels***. This theme is intended, at least in part, to help to encourage prevention scientists to incorporate the assessment of biomarkers into their new and ongoing work. There is an emerging trend to include and integrate advances in neuroscience into research in a wide variety of areas, including prevention. Incorporating neuroscience research and findings into prevention research helps to facilitate the early identification of biological and behavioral markers that can then be used to direct and target behavioral interventions.

The conference committee is pleased that we have been able to develop a diverse and exciting set of plenary sessions and invited symposia centered around the conference theme. In each of the plenary sessions, the presenters will discuss challenges for prevention scientists wishing to do work in this area as well as providing some basic background for the new and exciting work that will be presented. The first plenary, *Epigenetics, Implications for Prevention Science* covers an area that is very new and of great interest to scientists in multiple fields. The second plenary on *Psychosocial and Environmental Influences on Brain Development and Psychopathology* will attempt to bridge neurodevelopmental science and public health by describing how brain development influences and is influenced by risky behavior. Finally, our third plenary, *Brain Research in the Context of Adolescent Development Research: Implications for Prevention Policy Aimed at Reducing High-Risk Behaviors*, cuts across multiple areas in neuroscience and prevention, including challenges that arise. Although we don't think that all of your questions about how to extend your research to include neuroscience will be answered, we do hope that you will find that the three plenaries together help to provide you with a clearer understanding of what this work brings to prevention science and how to avoid some of the more common pitfalls. Our four invited symposia continue to highlight the main conference theme as well as highlight some of our general and special conference themes including system sciences, active living and society, challenges of integrating genetics into prevention research, and evolution. To assist you in your decisionmaking as to which sessions to attend we have prepared a guide of those which will advance your knowledge of these different areas. This guide is a separate sheet in your registration packet.

We want to give a special thanks to Michael Schoeny for organizing and coordinating the review of conference submissions. This is Michael's third and final year in this role and his skills and efforts are very much appreciated! We would also like to thank all of you, the members who volunteered to review abstracts this year. We couldn't manage without your help and dedication. Please continue to volunteer, and if you haven't volunteered yet, please consider doing so next year!

The conference committee was dedicated and engaged, and simply a joy to work with. Your time and thoughtfulness is appreciated and was crucial for making this meeting happen. Members included Laurie Miller Brotman, Deborah Capaldi, Linda Collins, Mark Eddy, Diana Fishbein, Robert Freeman, Patricia Getty, Elizabeth Ginexi, Christopher Gordon, Yvonne Grant, Michael Hilton, Ralph Hingson, Sharon Lambert, Brenda Miller, Ron Prinz, Eve Reider, Ty Ridenour, Marcia Scott, Belinda Sims, Zili Sloboda and Andra Teten. The 5th annual SPR cup is due to Mark Eddy's continued efforts, thank you, Mark!

Last, but far from least, we owe a special debt of gratitude to Jennifer Lewis, the Executive Director of SPR. Jennifer helps to keep all of us on track, is amazingly organized, offers kind and gentle corrections as needed and does all of this in the face of whatever the fates throw her way.

We hope you enjoy the program, learn some new things, make new connections and renew some old ones! Next year SPR will be back in Washington, DC, chaired by Brenda Miller. The theme for the 2011 meeting will be: *Prevention Scientists Promoting Global Health: Emerging Visions for Today and Tomorrow*.

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Founded in 1991 the Society for Prevention Research seeks to advance science-based prevention programs and policies through empirical research. The international membership of the organization comprises scientists, practitioners, advocates and administrators, and policy makers who are dedicated to the use of science to address problems, issues and challenges pertaining to the prevention of social and public health issues.

The original idea of forming an organization that would bring together the diverse prevention research community was incubated during the late 1980's and early 1990's in a series of discussions among National Institute on Drug Abuse (NIDA) administrative staff. An agreement on forming a new professional organization was reached at a 1991 meeting of NIDA prevention research center directors and NIDA staff in Pittsburg. Led by NIDA staff members Zili Slobda and Bill Bukoski, 19 researchers attended this meeting. By the spring of 1992, the Society for Prevention Research (SPR) was incorporated as a non-profit organization in the state of New York.

During its first four years, the membership of SPR comprised researchers whose work focused on the etiology, epidemiology, and prevention of drug abuse. Ongoing and vigorous support from NIDA made the growth and consolidation of SPR possible, and Zili Sloboda and Bill Bukoski continued to play key roles in the organizational effort. Ralph Tarter and colleagues at the Center for Education and Drug Abuse Research in Pittsburgh provided central administrative support. Richard Clayton sponsored several important organizational meetings in Lexington, KY, and Steve Schinke served as the first president of SPR. During this period annual meetings for the Society at large were held in conjunction with the Committee on the Problems of Drug Dependence.

During 1997, under the direction of President Richard Clayton, the SPR leadership joined with members of the 1996 NIMH conference planning committee to create a SPR annual meeting incorporating multiple themes, including bio-behavioral mechanisms underlying drug and alcohol abuse, methodology for conducting preventive trials, cutting edge methodology for analyzing preventive trial outcomes, the causes and prevention of aggressive behavior, and early career researcher training. Numerous federal agencies provided financial support for this meeting in Baltimore, including NIDA, the NIMH Office of Prevention, the NIMH Office of AIDS Research, the Substance Abuse and Mental Health Services Administration, Center for

Mental Health Services, and the National Institute of Alcohol Abuse and Alcoholism.

Following the Baltimore meeting, the efforts continued to broaden the focus of SPR. Led by President Karol Kumpfer and President Sheppard Kellam, the SPR Board of Directors expanded to include representatives from various constituencies, including members of former NIMH National Prevention Research conference planning committees. A representative of the Early Career Preventionists Network (ECPN), an Internet-based group of researchers at the beginning of their prevention science careers, was also included.

In 1998 under the leadership of Richard Clayton the first elections by the full membership were held, with Sheppard G.

Kellam, the first president and Gilbert Botvin the first president-elect voted into office by the now rapidly growing membership. As the organization grew, a new mission statement and organization structures were needed. New bylaws were drafted and approved by the membership in 1999, establishing the broad SPR

mission as encompassing the full arena of prevention science in public health, with a continuing focus on its historical base in drug abuse and mental health.

The first edition of the SPR flagship journal, *Prevention Science* (published by Plenum which was acquired by Kluwer, and which was later acquired by Springer), was released in the spring of 2000, with Gil Botvin, as editor. In 2007 Robert McMahon became the second editor of the journal. In 2001 under the leadership of Kellam, C. Hendricks Brown, and J. Mark Eddy the Society was awarded a five-year R13 conference grant based in NIMH to support the annual meeting, with contributions from NIDA, NIAAA and NCI; and in 2006 under the leadership of J. David Hawkins, Tony Biglan, and Richard Spoth the Society was awarded a five-year continuation R13 grant based in NIDA to support the annual meeting, with contributions from NIMH, NIAAA, NCI, NICHD and NHBLI. In 2010 OBSSR and CDC joined as funders to the grant.

With the leadership of Gil Botvin as president, the administrative structure vastly improved. In 2001 a new office for SPR was established in the Washington, D.C. metropolitan area and a new executive director, Jennifer Lewis, was hired. Membership has grown steadily over the past 18 years and the Society currently has over 700 members. Annual meeting attendance has



also increased dramatically from the 19 prevention researchers who attended the first meeting in 1991 to the 800 prevention researchers, policy makers and practitioners who attended the 2009 conference in Washington, D.C.

In recent years the volunteer members of SPR have produced numerous documents to support its advocacy outreach. These include the *Standards of Evidence: Criteria for Efficacy, Effectiveness and Dissemination* and the *Community Monitoring Systems: Tracking and Improving the Well-Being of America's Children and Adolescents* which were funded with support from the NIH through the National Science Foundation and the Robert Wood Johnson Foundation. The *Community Monitoring Systems* document was re-published by NIDA and received wide-spread distribution. The Mapping Advances in Prevention Science (MAPS) II, Type 2 Translational Research Task Force which is supported through the R-13 grant has produced *Type 2 Translational Research: Overview and Definitions* and *Type 2 Translational Research: Position Statement, A Call for Bold Action to Support Prevention Programs and Policies to Achieve Greater Public Health and Economic Impact*. These and other documents are available on the SPR website at www.preventionresearch.org.

SPR Awards

The **Prevention Science Award** is given to an individual or team of individuals for a significant body of research that has applied scientific methods to test one or more preventive interventions or policies. This award recognized individuals for the work of developing and testing prevention strategies. The Prevention Science Award has been given to Robert Cairns, Beverly Cairns, Richard F. Catalano, Denise Gottfredson, Mark Greenberg, J. David Hawkins, Denise Kandel, Richard Price, and Philip Palmgreen and the SENTAR Group, Lewis Donohew, Nancy Grant Harrington, Elizabeth Lorch, Richard Spoth and Alex Wagenaar.

The **Public Service Award** is given to an individual or team of individuals in recognition of extensive and effective advocacy, including dissemination and diffusion, for prevention science and science/research-based programs. Previous award recipients are Jon Baron, William J. Bukoski, Charles G. Curie, Senator Tom Harkin, Alan Leshner, Juan Ramos, Governor Tom and Mrs. Michele Ridge, Elizabeth Robertson, Congressman Robert C. Scott, Nora D. Volkow and the William T. Grant Foundation senior program team of Robert Granger, Vivian Tseng, Brian Wilcox, Edward Siedman, Thomas Weisner, and Rebecca Maynard.

The **Science to Practice Award** is given to an individual or a team of individuals in recognition of continued support of the implementation of research based prevention practices in real world settings. Recipients include Steve Aos, Patricia Chamberlain, Delbert Elliott, William B. Hansen, Frances Harding, Sharon Mihalic, Mary Ellen O'Connell, Andrew O'Donovan, Eric Schaps, and the CSAP's National CAPT System Team of Ilena Baca, Charlotte Daley, Tania Garcia, Julie Hogan, Jerry Jaker, and Mike Lowther.

The **Presidential Award** is given to an individual or a team of individuals who have made a major specific contribution to prevention science research. This award is intended to be a "lifetime achievement" award for a significant body of research or theory in any area related to prevention that has had a major impact on the field. The award may be for an entire research program extending over many years or for a single study that changed the field substantially. The Presidential Award has been given to C. Hendricks Brown, Richard Clayton, Linda Collins, John Graham, Harold Holder, Sheppard Kellam, Patricia Mrazek, David Olds, Gerald Patterson, John Reid, Irwin Sandler and Jose Szapocznik.

The *Nan Tobler Award for Review of the Prevention Science Literature* is given to an individual or team of individuals for contributions to the summarization or articulation of the empirical evidence relevant to prevention science. This award was first given posthumously to Nan Tobler in 2000 at the Montreal meeting. The award has also been presented to James Derzon, David Foxcroft, Mark Lipsey, Ellen Sogolow, and Eric Stice.

Community, Culture, and Prevention Science Award is given to an individual or a team of individuals for contributions to the field of prevention science in the area of community and culture. Recipients of this award are recognized for work to enhance understanding of and the development of, and adaptation of effective prevention strategies for traditionally underserved populations, including racial and ethnic groups. This award has been given to Laurie Miller Brotman, Felipe Gonzelez Castro, Lourdes Baezconde-Garbanati, Tracy Harachi, Karol Kumpfer, Charles Martinez, William Vega and Les Whitbeck.

International Collaborative Prevention Research Award is given to an individual or team of individuals for contributions to the field of prevention science in the area of international collaboration. The International Collaborative Prevention Research Award has been given to Linda Caldwell and Edward Smith, Marion Forgatch, Don Des Jarlais, Clemens Hosman, John Lochman, Richard Price, Mary Jane Rotheram, Matthew Sanders and John Toumbourou.

The *Service to SPR Award* is given to an individual or team of individuals in recognition of outstanding service to the organization. Recipients of this award are Anthony Biglan, Gilbert J. Botvin, John Ernst, Kathy Etz, Brian Flay, Denise Hallfors, Ted Langevin and Ralph Tarter.

The *Translation Research Award* is given for transdisciplinary scientific work that has a significant impact on prevention science. This award was given for the first time in 2007 to David Reiss.

ECPN Early Career Award is presented to a person early in their career in prevention. This award is bestowed on someone who has shown a commitment to prevention science through outstanding contributions to research, policy or practice. This award has been presented to Esteban Cardemil, J. Douglas Coatsworth, Katherine DeVet, J. Mark Eddy, Kenneth Griffin, Kelli Komro, Stephanie Lanza, Mildred Maldonado-Molina, Guillermo Prado, Joseph Schafer, Melissa Stigler and Margo Wootan,

The *ECPN Service Award* is presented to someone who has shown a commitment to the development and advancement of ECPN. This award has been given to Paula Smith.

Friend of ECPN Award is presented to a mid-career or senior preventionist who has supported and encouraged early career persons or issues. The recipient of the Friend of ECPN Award will have been active in supporting early career activities, either by helping ECPN as an organization; promoting training, funding, or early career involvement in prevention efforts; or encouraging early career preventionists in their work. Recipients include C. Hendricks Brown, J. Mark Eddy, Marion Forgatch, Mark Greenberg, William Hansen, Clemens Hosman, Nick Ialongo, John Reid, Christopher Ringwalt, and Irwin Sandler.

The *Sloboda and Bukoski SPR Cup* is awarded to the winning team of early career researchers who participate in an intense workgroup experience. Each team conducts a literature review, generates hypotheses, conducts analyses, and prepares a presentation for the annual conference. This award has been presented to the *Sun Devil Scholars*, Prevention Research Center, Arizona State University, Kevin M. King, Michelle Little, Freda F. Liu, and Scott Weaver, *Penn State Prevention Fellows*, Melissa Tibbits, Michael Cleveland, Joche Gayles, Amy Syvertsen, and Monique Faulk, the *Prevention Geeks*, Leslie Clinkenbeard, Andrea LaFazia, Rosina Everitte and Christa Rhoades and the *Penn State Pride*, Caitlin Abar, Beau Abar, Melissa Lippold, A. Elizabeth Manning, and CJ Powers.

Special SPR Awards have been bestowed including the *Society for Prevention Science Research Award* to Zili Sloboda, the *Lifetime Achievement Award* to Beverly Long, the *Disque D. Dean President's Award* to Gilbert J. Botvin, the *Federal Achievement Award* to Shay Bilchik, the *State Achievement Award* to Terry Faye Bleier and the **Model Education Programs in Prevention Science Award** to The Morgan State University and the Johns Hopkins University Collaboration.

The Society for Prevention Research is pleased to celebrate 10 years of its journal *Prevention Science*.

The first issue (March 2000) of the quarterly journal *Prevention Science* was the culmination of the work of a group of pioneers in the field. Ralph Tarter (University of Pittsburgh) played a leading role in establishing the journal by developing support for a journal within the Society, identifying potential publishers, and arranging the initial meeting between Plenum and Gil Botvin (Weill Medical College, Cornell University.) Botvin had a series of discussions with several publishers and ultimately negotiated a 10-year contract with Plenum. A critical element of that contract was establishing SPR's ownership rights to the journal (*Prevention Science*), something that most other publishers would not accept.

Gil Botvin's NIDA-funded center at Cornell helped provide the support and infrastructure for *Prevention Science*. Another key person in the development of *Prevention Science* was Mary Sharkey, an experienced science editor who served part-time as managing editor.

During these formative years of the journal, many individuals contributed their time and expertise to the success of the journal. They are the journal's editorial board, consulting editors (2000: Linda Collins and Sheppard Kellam), associate editors (2001-2005: Linda Collins, Sheppard Kellam, Doreen Koretz, and Steven Schinke; 2006-present: Felipe Castro, David MacKinnon, Steve Schinke and Zili Sloboda), reviewers, and authors who courageously submitted their work to a fledgling journal.

Gil Botvin served as Editor for the first seven years of the journal and in January 2007, Robert McMahon (University of Washington) took on the job of Editor.

In the ten years since its inception, the journal has grown in importance in the prevention science community and established itself as the premier journal for the field of prevention. The journal's most recent 2-year Impact Factor (for 2008) is 2.426, which places it 11th out of 76 journals in its category (Public, Environmental, and Occupational Health). From 2005 to 2009 the number of manuscripts submitted through the online manuscript system, Editorial Manager, increased more than 281%; and PDF downloads (an indicator of electronic usage) increased 275% between 2006-2009 (from 17,137 to 47,070), and increased 55% between December 2008 and December 2009.

The Board of Directors of the Society for Prevention Research would especially like to thank Ralph Tarter, Gil Botvin, Bob McMahon, members of the editorial board, and consulting and associate editors. We would like to offer a special thank you to Steve Schinke for his ten years of distinguished service to the journal in his roles as a reviewer, consulting editor, and associate editor and to all our reviewers and authors. Lastly, we thank our current publisher Springer, Judy Jones, and Bill Tucker for their continued support of *Prevention Science*.

Please join us in Celebrating 10 Years of *Prevention Science* Wednesday, June 2, 2010 at the Annual Awards Reception and Presentation, 4:30 pm – 5:30 pm in the Grand Ballroom.

8:00 am - 7:00 pm

(1-001) REGISTRATION*Imperial Ballroom Foyer*

8:00 am - 8:45 am

(1-002) CONTINENTAL BREAKFAST*Located within your preconference workshop meeting room*

8:30 am - 4:30 pm

(1-003) PRE-CONFERENCE WORKSHOP I*Mt. Harvard***Utilization of Innovative Interdisciplinary Tools for Integrated Objective Measurement of Exposure to Physical and Psychosocial Stressors and Drug Use**Chair: *Marcia S. Scott, PhD* National Institute on Alcohol Abuse and Alcoholism

Presenters: *Mariana G. Figueiro, PhD*, Lighting Research Center, Rensselaer Polytechnic Institute, *Mark S. Rea, PhD*, Lighting Research Center, Rensselaer Polytechnic Institute, *Yong Zhu, PhD*, Yale School of Public Health, Yale University, *Kenzie L. Preston, PhD*, National Institute on Drug Abuse, Intramural Research Program Chief, Clinical Pharmacology and Therapeutics Research Branch, *David H. Epstein, PhD*, National Institute on Drug Abuse, Intramural Research Program Clinical Pharmacology & Therapeutics Branch, Treatment Section

The purpose of this workshop is to present theory and methods for collaborative integration of technological, biological and psychosocial research approaches in field research among diverse populations. Such approaches have been undertaken by two projects involved in the Network on Exposures to Psychosocial Stress and Addictive Substances (NEPSAS), a program supported by the National Institute of Health's (NIH) Genes, Environment and Health Initiative (GEI) Exposure Biology (EB) program. The EB component of GEI supports projects utilizing new methods (e.g., ecological momentary assessment/EMA, geospatial positioning/GPS, light sensors) to assess personal exposure to environmental stressors and responses to those stressors via key biological pathways involved in the pathogenesis of common diseases. While the use of retrospective self-report measures continues as a primary method for assessment of health-related behavioral intentions and actions in many studies, these methods yield little data on dynamic changes in exposure and responses over time (temporal resolution) and across locations (spatial context). Ultimately, the successful identification of etiological processes of complex disorders depends on greater precision in

measurement of environmental exposures, that can be combined with related biological mechanisms (including genetic) and physiologic systems to fully evaluate impact on disease risk. While research technologies for discovery of gene identification and functioning continue to rapidly evolve, integrated approaches to etiologic study of disease also require improved precision in objective measurement of interactive psychosocial and behavioral processes.

The NIH GEI seeks to investigate the interactions between genetic and environmental factors that underlie complex human diseases. A critical objective of the GEI Exposure Biology component is to accurately identify, quantify, and verify personal exposure to environmental factors associated with a range of adverse health outcomes. The NEPSAS projects are anticipated to advance the utility of real-time measurement and decrease participant burden through miniaturization, automated assessment, and improved usability of measurement devices.

Dr. Marcia S. Scott is program director in the Division of Epidemiology and Prevention Research at the National Institute on Alcohol Abuse and Alcoholism (NIAAA). Dr. Scott provides oversight for a diverse portfolio of epidemiological and prevention research grants focusing on family, peer and worksite-based social norms, and environmental and genetic risk factors for alcohol use disorders in multi-ethnic populations spanning across underage drinkers to older adults. She also is chair of the NIAAA Genes and Environment Interdisciplinary Research Team. Currently, Dr. Scott serves as a NIH project scientist for a GEI-supported cooperative agreement project focusing on development of wearable sensors to conduct non-invasive, real-time, and continuous psychophysiological measures of stress-related exposures and responses and biochemical assessment of alcohol exposure from human interstitial fluid. She received her PhD in Health Education from the University of Maryland. Dr. Scott has served in other federal and corporate research settings as a research evaluation specialist and project director managing research contracts on the implementation and impacts of community-based social service programs, and evaluations of substance abuse, violence, conflict resolution and HIV/AIDS education and prevention programs, as well as other projects assessing cultural sensitivity needs and youth development outcomes for work-based learning and workforce preparation. The programs focused on services provided for the frail elderly, high-risk youth, pregnant, postpartum, and homeless women and their children; and multicultural community planning groups that served an advisory role to local and state health departments. Prior to her experiences in public health research, Dr. Scott served for many years as a registered clinical laboratory scientist conducting clinical assays in hospitals as well as commercial and research laboratories.

Dr. Mariana Figueiro is an assistant professor at Rensselaer Polytechnic Institute and a program director at Rensselaer's Lighting Research Center. She holds a BS in architecture and urbanism, a Master of Science in Lighting and PhD in

Multidisciplinary Science from Rensselaer. She teaches Light and Health and Human Factors in Lighting in the MS in Lighting Program at the LRC and has given more than 100 presentations and invited lectures in these topics. She has written numerous scientific articles for archival journals and trade publications and worked as an assistant editor on the 9th edition of the IESNA *Lighting Handbook*. She chaired the IESNA Light and Human Health Committee from July 07 to July 09. She received the 2006 James D Watson Young Investigator Award and the 2007 Office of Naval Research Young Investigator Award.

Dr. Mark Rea is the chief administrator of the LRC and is a Professor of Architecture and Cognitive Sciences. He conducts research in many areas including circadian photobiology, mesopic vision, psychological responses to light, and visual performance. He teaches courses in leadership and in visual processes. He received his PhD in biophysics from Ohio State University in 1978. Before coming to Rensselaer he was a senior research officer and the manager of the Indoor Environment Program of the Building Performance Section at the National Research Council of Canada. Dr. Rea holds the first patent on an imaging photometer was the developer of visual performance model, RVP (Relative Visual Performance), co-developer of a model of mesopic vision and co-developer of the first spectral sensitivity functions for the human circadian system. He is also active in development of controls technologies including photosensors, occupancy sensors, and manual controls. He is author of the more than two hundred scientific and technical articles related to vision, circadian rhythms, photometry, lighting engineering and human factors. He served as Editor-in-chief of the 8th and 9th editions of the Illuminating Engineering Society of North America *Lighting Handbook*. His current teaching responsibilities include a course on leadership and he supervises graduate students at Masters and PhD levels. Dr. Rea is a Fellow of Illuminating Engineer Society of North America and of the Society of Light and Lighting (UK). He received the highest technical award from Illuminating Engineering Society of North America, the IES Medal and the highest faculty award at Rensselaer Polytechnic Institute, the William H. Wiley Distinguished Faculty Award.

Dr. Yong Zhu is an associate professor at the School of Public Health at Yale University. He holds a masters and PhD from Rice University. Dr. Zhu's research interests are oriented towards the use of the molecular epidemiological approach in the study of genetic susceptibility biomarkers and their interactions with environmental exposures in human disease development. Dr. Zhu has been developing and validating novel phenotypic and genotypic assays and biomarkers for several cancer types, including non-Hodgkin's lymphoma, breast, bladder, lung and prostate cancer. By utilizing various techniques in genetics, epigenetics, cytogenetics, cell biology, and computational biology, Dr. Zhu's studies have identified biomarkers that can

characterize inherited predisposition and cellular response to environmental factors. Current research focuses on studying the role of two classes of transcriptional regulators, circadian genes and microRNAs, in tumorigenesis.

Dr. Kenzie L. Preston is Chief of the Clinical Pharmacology and Therapeutics Research Branch in the Intramural Research Program (IRP) at the National Institute on Drug Abuse (NIDA). Dr. Preston directs research in the outpatient substance abuse treatment research program of the IRP. Her major research interests are the development and testing of substance abuse treatment, human behavioral pharmacology of drugs of abuse, and methods of monitoring cocaine and heroin use. Dr. Preston has pioneered the use of Ecological Momentary Assessment (EMA), a methodology in which individuals report on their mood and behavior in real time in their daily lives, to study the role of individual and environmental factors in relapse to drug use in substance abusers. Most recently she has begun to incorporate real-time location data to investigate neighborhood-level risk factors and exposure to psychosocial stress and drug cues. Dr. Preston received her PhD in Pharmacology from the University of Chicago and completed a post-doctoral fellowship in human behavioral pharmacology at the Johns Hopkins School of Medicine. She has presented her research at numerous national and international meetings, conferences and workshops and has published more than 160 scientific articles. Dr. Preston has served on the editorial advisory boards of the *Journal of Pharmacology and Experimental Therapeutics*, *Behavioural Pharmacology*, *Drug and Alcohol Dependence*, and *Psychopharmacology*. She is a member of the College on Problems of Drug Dependence (CPDD) and the American Society for Clinical Pharmacology Therapeutics (ASCPT), having served on the Board of Directors and numerous committees of both organizations.

Dr. David H. Epstein is an Associate Scientist in the Treatment Section at the Intramural Research Program at NIDA in Baltimore, Maryland. He received his doctorate in experimental psychology at Rutgers in 1998. With Dr. Kenzie Preston, he currently designs and supervises clinical trials of treatments for addiction, along with laboratory and natural-history studies of drug craving and use.

8:30 am - 4:30 pm

(1-004) PRE-CONFERENCE WORKSHOP II

Mt. Oxford

Integrating Primary Prevention for Substance Use and Mental Health with Prevention of HIV/AIDS and Other Associated Consequences of Risky Sexual Behavior among At-Risk Youth

Chair: *Richard A. Jenkins, PhD*, National Cancer Institute

Presenters: *Kevin Haggerty, MSW*, University of Washington, *Gary W. Harper, PhD*, DePaul University, *Sheppard G. Kellam, MD*, Johns Hopkins University, *Linda Koenig, PhD*, Centers for Disease Control and Prevention, *Marguerita Lightfoot, PhD*, University of California San Francisco, Department of Medicine, *Ronald Stall, PhD*, University of Pittsburgh.

The 2010 SPR meeting will focus on different levels of analysis and intervention for prevention. This focus also will include attention to translation science and the transfer of knowledge to new settings, populations, and modalities for prevention. This workshop will draw on those themes, and also build on the plenary from last year's SPR which highlighted sexual behavior and interventions to reduce HIV/AIDS, sexually transmitted disease and other conditions related to risky sexual behavior. HIV prevention continues to be a concern in the United States, particularly for youth populations and especially among ethnic/racial minority and sexual minority youth. Rates of new infection are particularly high among young racial/ethnic minority men who have sex with men (MSM). For example, the number of new HIV cases among African-American MSM is highest among those who are 18-25. It also is concerning that young MSM are 2-3 times as unlikely to know their HIV status as older MSM. Relatively few prevention interventions with evidence of efficacy target youth and the modalities represented in these interventions often require expensive one-on-one professional contact or multiple group sessions, which may be difficult to sustain in the community. Another consideration is the range of developmental differences in this age group, as young people socially, cognitively, and behaviorally move from adolescence toward the greater autonomy of adult life. Different subgroups also may have needs that have not, until recently been well-documented, in the research literature. For example, there is evidence that risk and protective factors for development of problem behaviors (drug use, psychiatric disorder, etc.) among gay youth may mirror those of youth, in general, yet these youth may be exposed to discrimination and higher rates of coercive sexual experiences there which are relevant to the development of identity and effective behavioral self-regulation. HIV+ youth, regardless of background, face additional challenges in terms of health care, stigma, and balancing their lives with a chronic disease. There is a need for better interventions to prevent the acquisition and transmission of HIV among youth and to address the larger issues of social, sexual, emotional, and cognitive development. It is evident that primary prevention interventions, originally, designed to prevent drug use and psychiatric disorder also affect these outcomes, as well although their utility for youth who are at elevated risk for HIV infection are less clear. The lessons learned from primary prevention may be helpful in understanding how to address the multiple simultaneous problems that are related to risky sexual behavior and its consequences.

The purpose of this workshop will be to bring together

researchers from HIV prevention, primary prevention of drug use and psychiatric disorder, and those who have experience with evaluating risk and protective factors for sexual risk, drug use, and other key variables. The objective is to brainstorm new directions for HIV prevention research among youth, with particular attention to at-risk populations such as ethnic/racial minority and sexual minority youth. There is a need to better address developmental needs of these youth, while learning from the broader fields of HIV prevention and prevention of substance use and psychiatric disorder. Consideration will be given to important milestones and experiences which may shape sexual and drug use risk behavior, as well as consideration of different intervention modalities and systems for service delivery. This will be an opportunity for researchers to consider ways to translate what has been learned from primary prevention directed at substance use and mental health to HIV prevention. It also will be an opportunity to consider levels of analysis and prevention intervention beyond the individual or small group.

Dr. Richard A. Jenkins is a Health Scientist Administrator in the Prevention Research Branch, Division of Epidemiology, Services & Prevention Research at the National Institute on Drug Abuse (NIDA), where he serves as the primary program officer for HIV/AIDS prevention research. Dr. Jenkins is a clinical –community psychologist with expertise in a variety of areas related to HIV prevention, including social and behavioral epidemiology; development, evaluation and dissemination/adaptation of prevention interventions; behavioral and social issues related to biomedical HIV prevention; and cross-cultural issues in HIV prevention. Dr. Jenkins came to NIDA from the Centers for Disease Control & Prevention (CDC) in 2006 and has been involved in trans-NIH efforts such as the HIV Prevention Trial Network, the HIV Vaccine Trial Network, the Adolescent Trials Network, and the Centers for AIDS Research. At CDC, he was responsible for cooperative agreements related to HIV prevention community planning and evaluation of factors related to recent HIV infection, while also serving in a number of research capacities for CDC-Thailand. Prior to that, he was a senior scientist at the Henry M. Jackson Foundation and involved in developing behavioral and social research related to HIV vaccine trials. He is a fellow of the American Psychological Association and recently received an award for Distinguished Contributions to the practice of Community Psychology by the Society for Community Research and Action.

Kevin Haggerty, MSW, is Assistant Director of the Social Development Research Group, University of Washington, School of Social Work. He is the Principal Investigator of the NIDA funded Health Disparities Family Connections study and Co-PI, project director of the NIDA funded Raising Healthy Children project. Mr. Haggerty has specialized in the development and testing of programs to prevent substance use, early sexual initiation, delinquency and violence, at the community, school and family levels. He has been involved in the development and testing of the Focus on Families program for parents in methadone treatment, Staying Connected with

your Teen, for parents of middle school youth, the school-based Raising Healthy Children program and the Communities that Care operating system for community prevention planning. Mr. Haggerty is an international trainer and speaker in the areas of substance abuse and delinquency prevention and has written extensively in the field, including journal articles and book chapters.

Dr. Gary W. Harper is a Professor in the Department of Psychology and Director of the Master of Public Health Program at DePaul University, Chicago, Illinois. Dr. Harper is a member of the Behavioral Leadership Group within the National Institutes of Health's (NIH) Adolescent Medicine Trials Network for HIV/AIDS Interventions, and the NIH Office of AIDS Research Advisory Council. Dr. Harper's research has focused on the health promotion and prevention needs of young people who experience varying degrees of oppression and marginalization, with a focus on giving voice to the social justice needs of young people. He has worked to create developmentally and culturally appropriate HIV prevention and treatment programs for various groups of adolescents, including homeless youth, urban African American and Latina female youth, African American and Latino gay/bisexual/questioning male youth, youth living with HIV, and primary school children/rural youth in Kenya. He conducts this work in collaboration with community agencies and community members. Dr. Harper has conducted research and service work in a range of urban communities throughout the US, as well as in urban and rural communities in Kenya. Dr. Harper has been involved in various forms of adolescent-focused HIV prevention, treatment, research, advocacy, and community organizing for over 24 years. He also addresses other areas of community health intervention, as well as the formation of community-university partnerships to improve research and service delivery. Dr. Harper has received local, regional, and national awards for his commitment to research, mentoring, and community service.

Dr. Sheppard G. Kellam is a public health psychiatrist who has played a major role in establishing concepts and methods for prevention science, as well as contributing to knowledge about early risk factors and their malleability. He led three the three epidemiologically based randomized field trials testing preventive interventions directed at early antecedents of the long-term outcomes that provide the data base for this application, including the follow-up of the 2,311 first graders from the first generation of Baltimore population based randomized prevention trials to age 19 to 21 as they made the transition to young adulthood. This work was done in close collaboration with the Baltimore City Public School System (BCPSS). These large-scale population based randomized field trials have been supported by NIMH, NIDA, and NICHD. His theoretical, methodological, and substantive contributions began with the early intervention studies in Woodlawn, an African American community on the South Side of Chicago, from 1963 through 1982. He and colleagues coined the name *developmental epidemiology*, i.e., mapping the variation in developmental paths leading to health or disorders in defined populations. This work was done in close

harmony with a board of Woodlawn community organization leaders. It led to developing and implementing a developmental epidemiological prevention research strategy that precisely aimed interventions at early risk factors and, using randomized designs, examined not only main effects but the variation in impact on developmental paths and outcomes. From 1982-1993 Dr. Kellam was Chair of the Department of Mental Hygiene (now the Department of Mental Health) in the Johns Hopkins Bloomberg School of Public Health. He was Founding Director of the NIMH Hopkins Prevention Research Center that supported the earlier work. Recognizing the vital need to bridge the traditional gap between public education and public health prevention research, in March of 2000 he accepted an invitation of the American Institutes for Research to come full time to AIR and develop a new *Center for Integrating Education and Prevention Research in Schools (Ed/Prev)*. For the last several years he has been Professor Emeritus of the Johns Hopkins Bloomberg School of Public Health and is now Founding Director of the AIR Center for Integrating Education and Prevention Research in Schools in addition to the Hopkins Prevention Research Center.

Dr. Linda Koenig is a senior scientist in the Prevention Research Branch, Division of HIV/AIDS Prevention, at the U.S. Centers for Disease Control and Prevention in Atlanta. Prior to this position, she served as Chief of the Social and Behavioral Studies Section, and Assistant Chief for Behavioral Science for Mother-Child Transmission, Pediatric & Adolescent Studies in the Division's Epidemiology Branch. Dr. Koenig has led five multi-center HIV studies, many addressing the social and behavioral aspects of HIV in children, adolescents and new mothers. She led the development of the HEART adherence intervention, and most recently, the Adolescent Impact intervention to improve health and reduce risk behavior in HIV-positive adolescents. She has authored or coauthored over 50 scientific papers and chapters in the areas of psychosocial and behavioral issues for HIV-positive youth, medication adherence, and adolescent mental health, and is the editor of "From Child Sexual Abuse to Adult Sexual Risk", an APA continuing education book. Her service commendations include the DHHS Secretary's Award for Distinguished Service and nomination for the CDC Charles C. Shepard Award for Excellence in Science. Dr. Koenig received her PhD in psychology from Northwestern University and completed an NIMH postdoctoral fellowship at Stanford University. Prior to joining CDC in 1997, she was on faculty at Emory University where she taught undergraduate and graduate studies and directed the clinical psychology training program.

Dr. Marguerita Lightfoot is Co-Director of director of the Center for AIDS Prevention Studies (CAPS) and Director of the Technology and Information Exchange (TIE) Core, University of California, San Francisco, Department of Medicine. Dr. Lightfoot is a counseling psychologist whose research has included HIV prevention work in the juvenile justice system and with runaway and homeless youths in Los Angeles. One particular focus of her research with adolescents has been to adapt

and utilize interactive and engaging delivery of HIV preventive activities on computers. In addition, she has worked as a Mental Health Clinician at a mental health clinic that served primarily low-income people of color. She's conducted psychotherapy with predominately African American and Latino adults, couples, and families infected and/or affected by HIV. She is particularly interested in developing cost-effective interventions that are easily translatable with utility in community settings and utilizes new technologies to engage disenfranchised individuals in health promotion activities. She has a unique ability to determine the programmatic needs of the most vulnerable populations and develop programs that are cutting-edge and likely to successfully engage these populations to increase mental health functioning and well-being. A notable, ongoing research project has been adapting interventions to reduce HIV-related risk among urban street youths and youths living with HIV in Uganda.

Dr. Ronald Stall is Professor and Chair of the Department of Behavioral and Community Health Sciences in the Graduate School of Public Health at the University of Pittsburgh. The primary foci of his research have been in HIV prevention and behavioral epidemiology, both in the United States and abroad. He has conducted numerous research projects in the areas of substance abuse epidemiology, smoking, aging, mental health, and housing as health care. He has been instrumental in providing recognition of the simultaneous, overlapping epidemics of mental health and substance use problems experienced by gay men and the developmental bases for these "syndemic" conditions. Although a great deal of his research has been conducted among gay men, he also has worked with other populations at high risk of HIV infection, including injection drug users. Before coming to the University of Pittsburgh, Dr. Stall served as chief of the Prevention Research Branch of the Division of HIV/AIDS Prevention with the National Center for HIV, STD and TB Prevention of the Centers for Disease Control and Prevention (CDC) and prior to that, served on the faculty of the University of California at San Francisco, where he was a longtime collaborator with UCSF's Center for AIDS Prevention Studies (CAPS) on projects including the AIDS Behavioral Research Project, the San Francisco Men's Health Study and the Urban Men's Health Study. Dr. Stall has co-edited several books and special issues of journals, including "Collaborative Community Research: Partnerships Between Research and Practice," of *Health Education and Behavior*; "Intravenous Drug Use and AIDS: Preventing the Second Wave of the Epidemic," of the *Journal of Drug Issues*; and the book "Anthropology and Epidemiology: Interdisciplinary Approaches to the Study of Health and Disease." He currently serves on the editorial boards of several journals: *Social Aspects of AIDS*, *AIDS Education and Prevention*, *Journal of Sex Research* and *AIDS Care*. He also has served on editorial boards of *Medical Anthropology Quarterly* and *Drug and Alcohol Dependence* and has previously been a member of NIH's "Behavioral and Social Science Approaches to Preventing of HIV/AIDS" study section.

8:30 am - 4:30 pm

(1-005) PRE-CONFERENCE WORKSHOP III*Mt. Sopris***Systems Science Methodologies for Prevention Research**

Chairs: *Elizabeth Ginexi, PhD*, National Institute on Drug Abuse, *Linda Collins, PhD*, Pennsylvania State University, *Patricia Mabry, PhD*, NIH Office of Behavioral and Social Sciences Research

Presenters: *Daniel E. Rivera, PhD*, Arizona State University, *Ty Ridenour, PhD*, University of Pittsburgh, *Thomas W. Valente, PhD*, University of Southern California, *Scott Gest, PhD*, Pennsylvania State University, *Kristen Hassmiller Lich, PhD*, University of North Carolina at Chapel Hill, *Thomas Dishion, PhD*, University of Oregon, *Elizabeth Bruch, PhD*, University of Michigan, *Anthony Biglan, PhD*, Oregon Research Institute.

The 2010 SPR meeting will focus on the theme "Cells to Society." This theme aims to address the complex and multidimensional nature of the public health context for our preventive interventions. The conference theme will highlight the vertical integration of research among biological, behavioral, social, and population levels of analysis over the lifespan and across generations. This theme fits perfectly within the systems science research perspective currently being promoted by the NIH and OBSSR. This workshop will help promote this area of inquiry and invite scientific experts in system science methodologies to present at this upcoming meeting. Attendees will have the opportunity to learn about some key system science methodologies that could be applied to future prevention research studies.

Systems science refers to an approach to problem-solving that involves taking into account the big picture in all its complexity (i.e., a system view). In doing so, systems science approaches dissect important relationships between components of a system and changes in the system over time. This topic is of particular relevance for prevention science because translational efforts in prevention are squarely aimed at maximizing the population impacts of prevention intervention-related scientific discoveries. To realize true population impacts, it is necessary for us to carefully consider the big picture public health contexts within which our interventions can be targeted.

The purpose of this interactive workshop is to introduce prevention scientists to the utility of systems science methodologies for addressing some of the challenging research questions in their field and to familiarize them with selected methodologies: system dynamics modeling, agent-based modeling, network analysis, and engineering control methods for optimizing intervention design. Following a more general introduction to the methods, there will be a separate session to

highlight each of the featured methodologies. During each of these sessions, participants will receive a primer on the particular system science method being featured from an expert in that area. Next an applied researcher in the prevention science area will provide a brief description of a prevention science relevant problem amenable to the specific methodology. Finally, each session will close with a facilitated, interactive discussion between session participants, the systems science expert and the applied prevention researcher regarding how the particular method might be used in prevention science studies.

Dr. Elizabeth M. Ginexi is a Health Scientist Administrator in the Prevention Research Branch at the National Institute on Drug Abuse (NIDA) / National Institutes of Health (NIH) where she serves as the Program Official for NIDA's Transdisciplinary Prevention Research Center (TPRC) program. Dr. Ginexi is an Applied Social Psychologist with expertise in family- and community-based etiology and prevention research, and in quantitative data analysis techniques for longitudinal randomized intervention trials. She joined the Prevention Research Branch (PRB) at NIDA in July 2003 where she has been developing a research portfolio that emphasizes transdisciplinary approaches to prevention research and that encourages incorporating innovative technologies and discoveries from the basic sciences including the cognitive, neurobiological, psychological and social sciences, as well as computational statistics, and engineering into the development and testing of preventive intervention and health communication strategies. Prior to coming to NIDA, Dr. Ginexi was a Senior Study Director at Westat, where she participated in the development and implementation of several large-scale community-based drug abuse treatment and prevention evaluations funded by the National Institute on Alcohol Abuse and Alcoholism (NIAAA) and the Substance Abuse and Mental Health Services Administration (SAMHSA). Prior to working at Westat, Dr. Ginexi worked as a Research Scientist and Lecturer at the George Washington University, where she played a major role in data collection, data management, and analysis for several large longitudinal field studies involving mental health preventive interventions and services research. She received her masters and doctoral degrees in Applied Social Psychology from the George Washington University and she completed postdoctoral training under two Public Health Service Grant National Research Service Awards, one through Children's National Medical Center, and the other at the Center for Mental Health Policy at Vanderbilt University.

Dr. Linda M. Collins is the Director of the Methodology Center at Penn State and Principal Investigator of the *Center for Prevention and Treatment Methodology*, a P50 Center funded by NIDA since 1996. Dr. Collins' work has been funded continuously by NIDA for nearly 25 years. Dr. Collins is interested in design, measurement, and statistical methodology for prevention research. Her current interests include phased experimental approaches for optimization of behavioral interventions for prevention and treatment; experimental designs for building adaptive interventions; applying ideas from

engineering, such as control theory, to intervention optimization; and statistical methods for longitudinal research, particularly Latent Transition Analysis (LTA), a method for fitting models of discrete development. With Dr. Daniel Rivera, Professor of Chemical Engineering at Arizona State University, Dr. Collins has a Roadmap grant to study how to express behavioral interventions as dynamical systems. Dr. Collins has received the Cattell Award for outstanding early career contributions to multivariate behavioral research, Pennsylvania State University's Faculty Scholar Medal in the Social and Behavioral Sciences, and is co-recipient (with frequent collaborator John Graham) of the 2004 Society for Prevention Research's President's Award. She is a Fellow of the American Psychological Association and the Association for Psychological Science, a past president of the Society of Multivariate Experimental Psychology, and President of the Society for Prevention Research.

Dr. Patricia Mabry is a Senior Advisor in the Office of Behavioral and Social Sciences Research (OBSSR) at NIH. She is committed to developing resources and creating opportunities for the NIH investigator community (and beyond) in order to encourage and support the development of behavioral and social science research projects featuring *interdisciplinary* and *Systems Science* approaches http://obssr.od.nih.gov/scientific_areas/methodology/systems_science/index.aspx. Since joining OBSSR in November 2005, Dr. Mabry has been instrumental in catalyzing interest in and support for systems science across the 27 institutes and centers that comprise NIH. Dr. Mabry leads the systems science programmatic activities for OBSSR, including PAR-08-224, *Using Systems Science to Protect and Improve Population Health (R21)* <http://grants.nih.gov/grants/guide/pa-files/PAR-08-224.html> and the annual *Institute on Systems Science and Health*, and is the project officer for a contract to support the *Collaborative Obesity Modeling Network (COMNet)*. In 2006 Dr. Mabry led the production of the *Interdisciplinary Methodology and Technology Summit*, an NIH Roadmap for Medical Research activity <http://nihroadmap.nih.gov/interdisciplinary/summit0806/agenda.asp>, and in 2007 she co-led the development of a funding opportunity announcement under the NIH Roadmap entitled, *Facilitating Interdisciplinary Research via Methodological and Technological Innovation in the Behavioral and Social Sciences (R21)*. In 2007, in collaboration with CDC, Dr. Mabry initiated and guided the production of the *2007 Systems Science Symposia Series* and led OBSSR's sponsorship of the conference, *Complex Systems Approaches to Population Health* (videocasts/podcasts of these and other events are available at http://obssr.od.nih.gov/training_and_education/videocast/videocast.aspx#ssh). Dr. Mabry has been recognized for her efforts; she was a member of the team that received the inaugural *Applied Systems Thinking Prize* from the Applied Systems Thinking Institute in 2008 <http://www.asysti.org/Prize/2008asystprizewinner.aspx>, and received an individual Merit Award from NIH in 2008 in recognition for her leadership and contributions in systems science.

Dr. Mabry is currently focusing much of her work on fostering opportunities for behavioral, social and population scientists to learn from and team up with people in other disciplines, especially those in disciplines grounded in mathematical and computational sciences (e.g., computer science, engineering, mathematics, operations research). To this end, she is one of three Conference Organizing Chairs for the *2010 International Conference on Social Computing, Behavioral Modeling, and Prediction (SBP10)* at which she is creating opportunities for such cross-fertilization. Dr. Mabry also spends some time writing and publishing in scientific journals primarily on the topics of tobacco control and systems science. Dr. Mabry earned her PhD in Clinical Psychology from the University of Virginia (1996). She has worked in small business, academia, and government, and her professional experience falls into several broad categories: conducting original intervention research for tobacco cessation, providing counseling and psychological services to individuals and couples, teaching behavioral aspects of medicine to medical students, writing NIH Small Business Innovation Research (SBIR) grant applications, and programmatic development at NIH.

Dr. Daniel E. Rivera is Professor of Chemical Engineering and Program Director for ASU's Control Systems Engineering Laboratory (<http://cse.asu.edu>). Prior to joining ASU in 1990, he was a member of the technical staff at Shell Development Company in Houston, Texas. He has been a visiting researcher with the Division of Automatic Control at Linköping University, Sweden, Honeywell Technology Center in Phoenix, AZ, the University "St. Cyril and Methodius," in Skopje, Macedonia, the National Distance Learning University (UNED) in Madrid, Spain, and the University of Almería in Andalucía, Spain. His research interests include the topics of robust control system design and dynamic modeling via system identification. He has examined the application of control engineering principles to problems in diverse settings, among these chemical processing, semiconductor manufacturing, and enterprise systems/supply chain management. His primary focus at this time is examining how control engineering principles can improve prevention and treatment interventions in behavioral health. In 2007, Dr. Rivera was awarded a K25 Mentored Quantitative Research Career Development Award from the National Institute on Drug Abuse to study control systems approaches for fighting drug abuse. He is co-PI (with Professor Linda Collins at Penn State University) of a Roadmap grant that is exploring how to express behavioral interventions as dynamical systems.

Dr. Ty Ridenour is an Assistant Professor and Co-Investigator of the NIDA-funded Center for Education and Drug Abuse Research (CEDAR) at the University of Pittsburgh. His research interest interests are novel applications of methodologies to enhance targeted prevention, etiology of substance abuse and antisocial behavior, and development of self-report assessments for children. His background and training spans Educational and School Psychology, Psychiatric Epidemiology, Juvenile Justice,

Neuropsychology, and Prevention. Dr. Ridenour currently serves as Chair of the Early Career Preventionist Network.

Dr. Thomas W. Valente is Professor and Director of the Master of Public Health Program in the Institute for Prevention Research, Department of Preventive Medicine, Keck School of Medicine, University of Southern California. Valente is author of *Network Models of the Diffusion of Innovations* (Hampton Press, 1995), *Evaluating Health Promotion Programs* (2002, Oxford University Press); and the forthcoming *Social Networks and Health: Models, Methods, and Applications* (Oxford University Press). Valente uses network analysis, health communication, and mathematical models to implement and evaluate health promotion programs designed to prevent tobacco and substance abuse, unintended fertility, and STD/HIV infections. He is also engaged in mapping community coalitions and collaborations to improve health care delivery and reduce healthcare disparities. Valente received his BS in Mathematics from the University of Mary Washington, his MS in Mass Communication from San Diego State University, and his PhD from the Annenberg School for Communication at USC. He was recently a visiting scientist at NIH for 6 months.

Dr. Scott Gest is Associate Professor of Human Development & Family Studies at the Pennsylvania State University. His research program focuses on the role of children's peer relationships in emerging patterns of academic and behavioral adjustment in school settings from middle childhood through adolescence. One current project focuses on how teaching practices in elementary classrooms may contribute to youth outcomes in part by affecting the emerging properties of classroom peer networks (funded by the William T. Grant & Spencer Foundations). A second project involves analysis of a 5-year longitudinal study of peer network dynamics and school adjustment across the transition to middle school (funded by National Science Foundation). A third project focuses on the role of friendship networks on emerging patterns of substance use and the possible role of school-based interventions in altering friendship network processes (funding from NIDA and William T. Grant Foundation, W. Osgood, PI). A third project involves period follow-ups of children who participated in a Head Start intervention designed to enhance social-emotional and emergent-literacy skills as they progress through elementary school (funding from NICHD, Karen Bierman, PI).

Dr. Kristen Hassmiller Lich is an Assistant Professor in the Department of Health Policy and Management at the University of North Carolina at Chapel Hill. She received her Master in Health Services Administration (MHSA, 2000) and PhD in Health Services Organization and Policy (2007) from the University of Michigan School of Public Health. Dr. Lich specializes in the application of operations research and complex systems modeling techniques to health policy and management decision making. She has worked most extensively on tobacco

control, including two key modeling projects. In the first, she built a dynamic simulation model to predict and compare the benefits of various tobacco-control policies in the US. In the second, a dynamic infectious disease model was built to advance understanding of the relationship between smoking and tuberculosis, and to estimate the effects of tobacco (and tobacco control) on population-level tuberculosis outcomes such as incidence and mortality rates. Other current research projects include: using decision support models to improve systems of mental health care in North Carolina and applying System Dynamics methods to improve stroke-related strategic planning in the Veterans' Health Administration. Dr. Lich's research passion is to advance the way we use models (both quantitative and qualitative) to improve policy-decision making, and to engage system stakeholders in the process. She has been invited to talk about the use of models to inform policy in a variety of settings, including the Centers for Disease Control and Prevention, the National Institutes of Health, and numerous meetings and workshops.

Dr. Thomas Dishion received his PhD in Clinical Psychology from the University of Oregon. His interests include understanding the development of antisocial behavior and substance abuse in children and adolescents, as well as designing effective interventions and prevention programs. In particular, he and colleagues have examined the contribution of peer and family dynamics to escalations in adolescent substance use, delinquency, and violence. His intervention research focuses on the effectiveness of family-centered interventions, and the negative effects of aggregating high-risk youth into intervention groups. He is currently Director of Research at the Child and Family Center and Professor of Clinical Psychology, both at the University of Oregon. Prior to that, he was a research scientist at Oregon Social Learning Center. He has published over 90 scientific reports on these topics, a book for parents on family management, and two books for professionals working with troubled children and their families.

Dr. Elizabeth Bruch is an assistant professor of Sociology and Complex Systems at the University of Michigan, and a faculty member at the Population Studies Center. She earned her PhD at the University of California, Los Angeles. Her research spans a broad array of population phenomena in which the actions of individuals and other units (such as families, couples or neighborhoods) are dynamically interdependent. Her current work examines the conditions under which income inequality and economic factors associated with neighborhood choice can exacerbate or attenuate race segregation.

Dr. Anthony Biglan is a Senior Scientist at Oregon Research Institute and Director of the Center on Early Adolescence. He has been doing research for the last 30 years on the prevention of adolescent problem behaviors and has conducted numerous experimental evaluations of interventions to prevent tobacco, alcohol, and other drug use, high-risk sexual behavior, reading failure, and aggressive social behavior. He and colleagues at the

Center for Advanced Study in the Behavioral Sciences published a book summarizing the epidemiology, cost, etiology, prevention, and treatment of youth with multiple problems (Biglan et al., 2004). His current work focuses on the dissemination of evidence-based practices in high poverty communities and the use of mindfulness interventions to reduce distress and increase people's openness to innovation. Dr. Biglan is a former president of the Society for Prevention Research.

8:30 am - 4:30 pm

(1-006) PRE-CONFERENCE WORKSHOP IV, SPONSORED by the ECPN

Longs Peak

Everything You Ever Wanted to Know About Secondary Data Analysis*

***But Were Afraid to Ask**

Chairs: *Richard Moser, PhD*, National Cancer Institute and *Kathy Etz, PhD*, National Institute on Drug Abuse

Presenters: *Bethany Bray, PhD*, Virginia Tech University, *Felicia B. LeClere, PhD*, National Institute on Drug Abuse, *Judith Gelernter, PhD*, Carnegie Mellon University, *Amy Yaroch, PhD*, Center for Human Nutrition, *Aria Crump, ScD*, NIDA.

This workshop continues the combined efforts of the SPR Database Taskforce and the Early Career Preventionist Network to promote re-analyses of existing datasets.

Numerous federal, state, and grant-related health data are available that are currently underutilized by research scientists, such as the National Health Interview Survey, the Health Information National Trends Survey, the California Health Interview Survey, and the Behavioral Risk Factor Surveillance System. In addition, many investigator initiated datasets are not mined to their full potential. These databases capture national estimates of health-related behavior, knowledge, and attitudes and/or provide information on the mechanisms and processes that account for behavioral or health outcomes as well as outcomes related to interventions. Secondary analyses of existing databases may serve as an economical alternative to expensive and time-consuming new data collection projects and may serve as a valuable tool to test complex statistical models, perform meta-analyses and develop and test empirical hypotheses.

This workshop, through lecture, applied demonstrations, and group discussion will inform participants about Internet-based and other health databases available for analysis and describe the utility and content of these databases, as well as explain how to access and analyze the data. Presentations will highlight analytic issues involved with utilizing these data, describe statistical software available to perform analyses, demonstrate the types of

analyses that can be completed, and describe how two different datasets can be combined for analysis. In addition, an early-career scientist will discuss her experience in doing secondary data analysis and how this has enhanced her career. The last part of the workshop will include a panel of people from both within and outside of the Federal government to describe and discuss relevant NIH funding mechanisms and discuss the process of obtaining funding. Audience members will be encouraged to participate in this discussion.

Dr. Kathy Etz directs a program of research that includes secondary data analysis approaches and has written funding announcements to support these types of analyses. Kathy is currently the project officer on the ICPSR NIDA Drug Abuse and HIV data archive.

Dr. Richard Moser is a research psychologist at the National Cancer Institute and has many years of experience performing statistical analyses using survey data that employ a complex sampling design and has numerous related publications. In addition, he is part of the team that manages one of these surveys, the Health Information National Trends Survey (HINTS) so he understands all of the issues in regards to accessing and analyzing survey data. He has also taught other seminars and given training classes to NIH staff on this topic.

Dr. Bethany C. Bray is an assistant professor in the Department of Psychology, Virginia Tech University. She is an early-career researcher interested in developing methods for prevention and treatment research. Almost all of her work has been conducted using secondary data, both public and private, and so can discuss the impact that this type of research has had on her career.

Dr. Felicia B. LeClerc is the Director of the new National Institute on Drug Abuse data archive called National Drug Abuse and HIV Data Program at the ICPSR and is very knowledgeable about datasets that are available for analysis. She is familiar with many of the issues that arise when one performs secondary data analysis.

Dr. Judith Gelernter, is currently at the School of Computer Science, Carnegie Mellon University. Judith's research concerns the application of artificial intelligence methods for knowledge discovery from secondary data and the design of easy-to-use tools that exploit that data effectively. She works in the Language Technology Institute of Carnegie Mellon's School of Computer Science.

Dr. Amy Yaroch is the Executive Director, Center for Human Nutrition in Omaha, NE. She has developed questions, analyzed data, and co-authored papers on various national-level secondary datasets, including the communication and health behavior-focused Health Information National Trends Survey (HINTS), the California Health Interview Survey (CHIS), and the HealthStyles and YouthStyles Surveys. Prior to her current position, Amy was a Program Director/Behavioral Scientist at the

National Cancer Institute, Health Promotion Research Branch and so is very familiar with Federal funding mechanisms for secondary data analysis.

Dr. Aria Crump is a program official in the Prevention Research Branch of the Division of Epidemiology, Services, and Prevention Research. She received a Doctor of Science in Behavioral Sciences from the Johns Hopkins University Bloomberg School of Public Health. She completed a postdoctoral fellowship at the National Institute for Child Health and Human Development where she participated in community and school-based prevention research. Dr. Crump worked as an Assistant Professor in the Department of Public and Community Health, University of Maryland at College Park, where she instructed students in health communications and minority health and conducted research as a part of a community-university health partnership. Her program areas at NIDA include family-based prevention research, substance use prevention in ethnic minority communities, substance abuse and HIV prevention during the transition to adulthood, and the prevention of prescription drug abuse. She serves as the chairperson of the Research Training Committee for the Division of Epidemiology, Services, and Prevention Research at NIDA and has an interest in promoting the use of secondary data analysis to provide research opportunities for investigators in training and to maximize the return on NIH's research investment.

8:30 am - 4:30 pm

(1-007) INTERNATIONAL NETWORKING FORUM

Mt. Columbia

International Networking Forum

Chair: Brenda Miller, PhD, Pacific Institute for Research and Development, Prevention Research Center and Sven Andreasson, PhD, Swedish National Institute of Public Health.

Background: Prior to the 2009 SPR Annual Meeting, a group of colleagues who are actively engaged in international collaborations, gathered to exchange ideas about the challenges and rewards of working together on international studies. This gathering included researchers and policy makers who were concentrated in the areas of preventing various health related problems. There was a general consensus that establishing an International Network within SPR would be of value. This network would support researchers and policy makers who are engaged in research on prevention strategies/interventions focused on important global health concerns. Attendees from the 2009 forum represented various countries and the discussion was dynamic and thoughtful. One of the advantages of the pre-conference forum was that it gave us a chance to meet each other prior to the conference and then re-connect throughout the conference.

During this past year, SPR Board of Directors approved the formation of an International Task Force to help guide SPR's efforts to involve a wider group of international colleagues. In addition, the 2011 conference will focus on international collaborations for prevention research.

Goal: Our goal is to establish a network of interested colleagues who are involved or who are planning involvement in research on health prevention strategies/interventions in the international community. We envision this network group as a supportive environment that is dedicated to sharing knowledge and information, thus promoting collaborations important to promoting global health research.

Forum: Based upon the recommendation of last year's attendees, we are planning an all day networking forum. The purpose is to create an interactive forum for researchers, policy makers, and community representatives who are engaged in prevention strategies and interventions involving international collaborations or who are planning such activities. This is **not** intended to be a didactic, lecture-based forum. Topics and ideas will organize the session and the majority of time will be reserved for interactive discussions. A major topic of this year's forum will be to solicit ideas and suggestions about creating a successful conference for 2011. Moderators of the discussion will ensure that the forum encourages participation by different attendees, formulates strategies or promotes ideas for moving the field forward, and establishes framework for developing an international network that facilitates collegial and collaborative relationships. The NIDA international poster session immediately follows the international forum and will provide an opportunity for attendees to continue their discussions in an informal manner throughout the evening.

We welcome all interested colleagues attending the SPR 2010 Annual Meeting to register for this forum. We especially want to encourage our colleagues who are engaged in international collaborations that involve conducting research studies on prevention strategies/interventions.

10:00 am - 10:45 am

(1-008) MORNING BREAK

Located within your preconference workshop meeting room

12:00 pm - 1:00 pm

(1-009) LUNCH ON YOUR OWN

3:00 pm - 3:45 pm

(1-010) AFTERNOON BREAK

Located within your preconference workshop meeting room

SPR Diversity Network Committee

The newly established Diversity Network Committee (DNC) of the Society for Prevention Research was formed to: (a) advocate, support, and promote diversity initiatives within SPR on behalf of underrepresented racial and ethnic groups, and (b) encourage the conduct of prevention research and the design of culturally-relevant interventions that address the various needs of racially and ethnically diverse populations. As part of this mission, the DNC is committed to creating and enhancing networking opportunities for members of SPR, to facilitate the conduct of high quality prevention science with racially and ethnically diverse populations. In addition, the DNC supports research and interventions that are attentive to a broad range of diversity issues. SPR's commitment and support of diversity issues, as now implemented by the DNC, underscores the importance of diversity in the forms of gender, ethnicity, training, research content and foci, career level, and occupational type, as this diversity enhances the development and conduct of research, service delivery, and social policies that advance prevention science.

The foundation for the DNC was the Diversity Network Reception that was initiated in 2006 by Felipe Gonzalez Castro, chair of the 2006 Annual Meeting. The Diversity Network Reception, now in its 5th year, has become a highlight of the annual meeting. In 2009, the SPR Board of Directors recommended to the membership of the Society that the bylaws of the organization be revised to include the DNC as a standing committee. The membership approved the bylaw revisions in May 2009. The DNC is a standing committee of SPR, and the chair is an ex-officio member of the SPR Board of Directors. The DNC Steering Committee is comprised of volunteers who develop and oversee DNC programming and activities, as well as coordinate membership, training, and communications. A member of the DNC Steering Committee chairs the Minority Scholarship Committee which reviews and selects awardees of the annual Minority Scholarship. The Annual Minority Scholarship Dance, started in 2002, helps to support the scholarships. Membership in the DNC is open to anyone interested in the DNC's mission. However, only DNC members who also are SPR members may participate in DNC elections. If you are interested in joining the DNC, e-mail the chair Sharon Lambert at slambert@gwu.edu.

Current objectives for the newly formed DNC are:

- To develop methods for recruiting and retaining members representing racial and ethnic diversity, and interested in research with diverse populations
- To provide a forum for discussion of diversity issues and research, and to support and encourage research on diversity issues; with diverse populations, and for reducing disparities
- To identify best practices for adapting empirically-based prevention programs to be appropriate for settings that are diverse in resources, priorities, and concerns
- To increase membership and leadership diversity with regard to race and ethnicity, career level and age, categories of research content and foci, and occupational types

As the DNC membership grows, we will tailor our activities to best represent the interests and goals of that membership, and the larger SPR membership. We welcome your ideas and suggestions for activities and programming to highlight diversity issues at slambert@gwu.edu.

The DNC Steering Committee

Felipe Gonzales Castro, Elvira Elek, Phillip Graham, K.K. Lam, Sharon Lambert, Mildred Maldonado-Molina, Paula Smith

DNC Conference Highlights

The DNC Steering Committee accessed the abstracts for the 2010 annual meeting program, and was pleased that approximately one quarter of the accepted presentations attend to diversity in content, sampling, or implications of the research or intervention. These presentations show that the SPR membership is invested in creating, implementing, and evaluating high quality prevention programming that is relevant to a wide range of constituents with both common and unique issues. Unfortunately, we were unable to highlight all of the presentations with diverse samples. Below is a list of the presentations that attended to issues of ethnicity, culture, diversity, and/or disparities in the abstract.

# in program	Title
10	Drug Resistance Skills of Youth in Guanajuato, Mexico
11	Fighting to Leave: The Relationship between Interpersonal Violence and Migration Desires and Plans.
47	Assessing how a prevention program works and for whom: An illustration of how to carry out a moderated mediation analysis in five simple steps using the Bridges to High School Project.
56	Using Administrative Data to Evaluate Impacts in a School-Randomized Prevention Trial of the 4Rs Program.
65	Promoting Parenting Practices and Preventing Aggression among Black Pre-K Students in Elementary Schools in Underserved Communities.
77	Ethnic/Racial Differences in Ongoing Engagement in Prevention Programs: An Exploration of Parental Perception of Benefits and Costs.
89	Culture as a vector: The case of suicidal ideation among Arab adolescents living in Israel.
92	The American Indian Alcohol and Drug Survey: A Review of 35 Years of Research.
93	School matters! Academics and alcohol, cigarette and marijuana use among a national sample of Hispanic adolescents.
94	Depression and conduct problems mediate the protective relationship of parental support on black adolescents' alcohol use.
105	Depressive Cognition, Family Factors and Alcohol Use among Asian American Adolescent Girls.
123	Socioeconomic Status Shapes Children's Stress Reactivity Over Time: A Biological Mechanism for the Effects of Socioeconomic Status on Health.
125	Influence and Process of Perceived School Multiculturalism in Relation to Youth Delinquency and Depression.
128	Patterns of Relational Aggression, Overt Aggression, and Prosocial Behavior: Gender Differences in Associations with High School Substance Use.
133	Early-life origins of mortality among inner-city African Americans.
134	The Ties that Bind: Quality Parent-Youth Relationships in Adolescence as Predictors of Health Motivation and Life Satisfaction in Adult Hispanic Males.
138	Examining the moderating effects of a two-parent household and ethnicity on the link between coping and depression in low-income urban youth.
142	Measurement Invariance of the Massachusetts Youth Screening Instrument, Version 2 (MAYSI-2) for Latino, African-American and White Male Youth in Detention.
144	The Influence of School Variables on the Developmental Trajectories of Delinquency for Asian, African American, Hispanic, and White Youth.
145	A Mediation Model of the Effects of Acculturative Variables on Internalizing and Externalizing Problem Behavior among Cambodian American Youth.
147	Drinking Behavior, and Alcohol and Other Drug Use Problems among Five Racial and Ethnic Groups in Southern California.
151	Exploring the Impact of Religiosity and Acculturation on the Sexual Health of Adolescent Hispanic Females.
152	Cultural stressors, cultural resources, and substance use among Hispanic adolescents in Los Angeles.
153	An Evaluation of the Application of the Articulated Thoughts in Simulated Situations Paradigm to Urban African American Adolescents.
155	Psychosocial stress exposure and salivary cortisol among Latino immigrants in Oregon.
156	Gaining parental trust and support: Examining culture and context in collecting tobacco-related biomarkers from young African American children.
167	Hookah Tobacco Smoking in a Large, National Sample of U.S. University Students.
168	Profiles of Financial Stress over Time: Does Income, Social Support or Depression Predict Group Membership?
169	African American adolescents' risks resulting from maternal substance use.
170	Acculturative stress and substance use among Mexican-heritage early adolescents: Differentiating experimentation and heavy use using two-part latent growth curve models.

# in program	Title
173	Gender Differences in Risk and Protective Factors for Alcohol Use and Risk for Substance Use Problems Among Hispanic Adolescents in the state of Indiana.
175	Relation between changes in preadolescent smoker image and early adolescent smoking intentions.
183	A Subgroups Approach to Understanding How Early Reading and Social Skills Jointly Contribute to Future Academic Success.
188	Looking beyond Traditional Gender Roles: Do Re-conceptualizations Better Predict Condom-related Outcomes for African American Women?
189	Racial Differences in Trajectories of Alcohol, Marijuana, and Hard Drug Use Among a High-Risk Urban Sample.
212	Validation of a U.S. Risk and Protective Framework for Preventing Risky Behaviors in Mumbai Adolescents.
221	Culture and Contextual Factors in Obesity: A Systems Science Approach.
225	Evaluation of the FAIR Program: Teaching Diversity Awareness and Social Justice to At-Risk Youth.
230	Lessons Learned from Prevention Research using Biosocial Approaches among Latino Immigrants in Oregon.
240	Effect of Childcare Discounts on Parent Participation Rates in Preventive Parent Training.
247	Trajectories of Physical Aggression among Urban Youth: An Application of Latent Trajectory Modeling.
249	Outcomes of a Two-City Mass Media Campaign aimed at Delaying Initiation of Sexual Activity among African-American and Caucasian Youth.
250	Slowing Sexual Risk Trajectories Among African-American Adolescents Through Culturally Sensitive Mass Media Messages.
252	Model Program approaches to Youth Violence: Ethnic, Cultural, and Regional Considerations for Program Implementation and Evaluation.
264	Evaluation of a multimodal intervention program to prevent prejudice and promote intergroup relations in elementary school children.
267	The Effects of Cultural Brokering on Mexican-Heritage Youth's Substance Use and Other Risky Behaviors.
268	Ethnic Identity as a Protective Factor in Young, Immigrant Children of Color.
269	Parental Involvement and the Academic Achievement of Mexican American Youth: What Kinds of Involvement Matter Most?
289	The Effect of Caregiver Support and Peer Victimization on Depressive Symptomatology among Lesbian, Gay, and Bisexual (LGB) Youth.
295	The Male Involvement Network: Building a Community Intervention for Low-Income, Non-Custodial Fathers.
310	The Context Surrounding Health Disparities for American Indian Communities: Cultural Approaches to Evidence-Based Parenting Intervention and Prevention.
311	Familias Unidas: A Program of Research for Drug Abuse Prevention with Hispanic Populations.
328	Pathways to college attendance and degree completion: Findings from an inner-city minority cohort.
333	Parent-child communication about alcohol as a mediator between parentification and substance use: Can parentification benefit Mexican-heritage youth?
335	Linking socio-economic status to Mexican American youths' academic achievement through parent behaviors and parental investment process models.
336	The Effects of Parental Diagnosis and Changing Family Norms on Alcohol Use and Related Problems Among Urban American Indian Adolescents.
339	Psychometric Assessment of the Temptations to Try Alcohol Scale
341	Psychometric assessment of the Temptations to Try Smoking Scale in middle school students.
352	Predictors of vaccine completion and subject loss within an intensive Hepatitis B inoculation program for homeless adults

# in program	Title
367	Familias Sanas (Healthy Families): A Culturally Grounded Intervention to Improve the Interconception Care of Latina Mothers
369	Preventing Childhood Behavioral and Mental Health Problems: Collaboration Between a University and Public Elementary Schools
375	Examining sexual behavior effects of community-based STI screening directed at African American youth.
376	The Effect of a Randomized Academic Achievement Intervention in Urban Elementary Schools on Alcohol Outcomes into Adulthood
384	The Role of Partner Status in HIV Prevention Programs for African-American Women.
397	Expanding Urban American Indian Youth's Repertoire of Drug Resistance Skills: Pilot Results from a Culturally Adapted Prevention Program.
415	Evaluation of a teacher-administered screening tool to assess risks of substance use and criminal offense
416	HIV Knowledge Deficits and Sexual Health Behaviors of Low-Income African-American Adolescents.
435	Applying the complexities of Mexican American cultural values and socialization to the design of culturally appropriate preventive interventions.
436	Early profiles of positive roles and later problem behaviors in Latino youth.
437	Gender role attitudes and the relationship between fathers' cultural socialization and adolescents' ethnic pride in Mexican American families.
438	East CAN Merge with West: How to integrate Mexican American Values, Beliefs, and Norms into a Culturally-grounded Substance Abuse Prevention Intervention for Youth.
453	Moderation of Intervention Effects after 1 Year Exposure to the Facing History and Ourselves Curriculum
457	First Year Evaluation of Project HOME (Healthcare Options Made Easy), an intervention to help Head Start families understand and better utilize the healthcare system.
466	Race differences in diurnal patterns of cortisol in early adulthood.
471	Schools as Civic Settings: Profiles of Early Adolescents' Responses to Bullying and Discrimination
479	Developing Culturally-Sensitive Interventions - The Hong Kong Family Project.
481	Efficacy of a Family-Based HIV Prevention Intervention for Latino Youth: Latino STYLE.
533	Unpacking American Indian Intracultural Elements to Assure Authenticity in a Substance Abuse Prevention Curriculum Adaptation.
535	Partners in Research: Engaging Immigrants and Refugees in Community Based Participatory Action Research

Founded in November 1994 at the Fourth NIMH National Conference on Prevention Research, the Early Career Preventionists Network (ECPN) is dedicated to fostering the professional development of prevention science researchers, practitioners, and advocates. Our members include master's level preventionists, pre-doctoral candidates, post-doctoral fellows, assistant professors and research associates as well as practitioners, educators, administrators, and advocates who have been in the prevention field for a few years. A variety of senior-level prevention scientists also provide ECPN with regular input and mentoring. "Early career" was chosen to describe our group because our membership includes professionals who are just entering the field of prevention as their first career as well as those who have recently entered the field of prevention as a second or third career.

ECPN was founded and is maintained by early career preventionists with the support of the Society for Prevention Research (SPR). ECPN is a standing committee of SPR and the chair is an ex-officio member of the SPR Board of Directors. The ECPN sponsors a variety of activities throughout the year and at SPR's Annual Meeting. A volunteer steering committee makes administrative decisions for ECPN based on input from the ECPN membership. If you are interested in serving on the steering committee, e-mail the chair Ty Ridenour at tar27+@pitt.edu.

As defined by ECPN members, our current primary goals are:

1. to foster a supportive atmosphere for exchanging ideas, including receiving feedback about ongoing prevention-related efforts by members;
2. to foster the development of new research ideas;
3. to foster the development of collaborative research efforts across agencies and institutions, particularly amongst career researchers and more established colleagues;
4. to disseminate information on employment and grant opportunities;
5. to disseminate information on important advancement in the field of prevention science;
6. to disseminate information on domestic and international initiatives related to prevention;
7. to provide a forum for the discussion of prevention-related topics such as methodological problems, solutions and advances;
8. to provide a central place on the Internet for storage and easy retrieval of prevention-related publications and documents by early career researchers; and
9. to sponsor various activities, such as conference training workshops, mentoring match-ups with senior level researchers among others aimed at supporting the developing careers of early career prevention scientists.

For further information,

please log onto the ECPN homepage for more information:
<http://www.preventionresearch.org/earlycareer.html>.

If you have any questions or suggestions
 please e-mail chair Ty Ridenour at tar27+@pitt.edu.

2nd ANNUAL ECPN STUDENT POSTER CONTEST

The *ECPN Student Poster Contest* was initiated in 2009 to encourage student attendance and participation in the annual meeting, increase student visibility at the conference, attract new student members to SPR and ECPN, and encourage existing student members to become full members upon graduation. Both undergraduate and graduate students were encouraged to enter. The posters will be displayed during the Wednesday and Thursday evening SPR poster sessions, and winners will be announced on Wednesday at the awards presentation. Time and space permitting, Wednesday posters will remain on display through the Thursday evening posters session. The top 3 poster winners will receive a \$250 travel award plus a free 1-year SPR membership. Honorable mention poster authors will receive a 1-year SPR membership. SPR memberships will be awarded for the next year (2011). Judging criteria included innovation, importance of the research topic to the field, quality, use of advanced methods, and contribution to prevention science. ECPN Steering Committee members including Ty Ridenour, Keryn Pasch, Sarah Lindstrom Johnson, Kerry Green, Brittany Rhodes, and Marie-Hélène Véronneau and SPR senior scientists, including Kevin Haggerty, Tom Dishion, Cleve Redmond, Nick Ialongo, and Deborah Gorman-Smith, will serve as judges. Posters were due two weeks prior to the SPR meeting to enable thorough reviews. We are very excited that the ECPN Student Poster Contest was such a success that this will be an annual event. We look forward to your attendance at the poster session. Please note that ECPN Student Poster Contestants are indicated with an * throughout the program.

Tuesday, June 1, 2010, 8:30 am – 4:30 pm

(1-006) ECPN Sponsored Pre-Conference Workshop IV

Longs Peak

Everything You Ever Wanted to Know About Secondary Data Analysis, But Were Afraid to Ask (see page 32)

This workshop continues the combined efforts of the SPR Database Taskforce and the Early Career Preventionist Network to promote re-analyses of existing datasets.

Numerous federal, state, and grant-related health data are available that are currently underutilized by research scientists, such as the National Health Interview Survey, the Health Information National Trends Survey, the California Health Interview Survey, and the Behavioral Risk Factor Surveillance System. In addition, many investigator initiated datasets are not mined to their full potential. These databases capture national estimates of health-related behavior, knowledge, and attitudes and/or provide information on the mechanisms and processes that account for behavioral or health outcomes as well as outcomes related to interventions. Secondary analyses of existing databases may serve as an economical alternative to expensive and time-consuming new data collection projects and may serve as a valuable tool to test complex statistical models, perform meta-analyses and develop and test empirical hypotheses.

Wednesday, June 2, 2010, 10:15 am – 11:45 am

(2-007) ECPN Symposium I

Mt. Elbert

An Often Untold Story: Options for Prevention-Oriented PhDs Outside of Academe

Chair: *Ty Ridenour, PhD*, The University of Pittsburgh

Speakers: *James V. Adams-Berger, PhD*, President, OMNI Institute; *Elvira Elek, PhD*, Research Public Health Analyst at RTI International; *William Hansen, PhD*, President, Tanglewood Research Inc.; *Andra L. Teten, PhD*, Behavioral Scientist in the Division of Violence Prevention at the Centers for Disease Control and Prevention; *David Wyrick, PhD*, Associate Professor at UNC Greensboro and President, Prevention Strategies, LLC.

Frequently, the education and experiences of doctoral students trained for prevention focuses on equipping them to pursue academic careers. However, employment opportunities outside of academe are increasingly available to doctorate-level preventionists. Symposium panelists for this session will be prevention professionals working outside of academic settings. They will compare and contrast their workplace experiences with academic positions. Topics will include additional training that would be useful for working in business or government, how

performance is evaluated and factors that led to working outside of an academic setting. Audience participation will be strongly encouraged.

Wednesday, June 2, 2010, 11:45 am – 1:15 pm

(2-017) ECPN Luncheon (Registration Required)

Mt. Elbert

Mentorship in the Life of Early Career Prevention Scientists

Co-Chairs: *Jessica Duncan Cance, MPH*, University of North Carolina at Chapel Hill and *Marie-Hélène Véronneau, PhD*, University of Oregon

Presenters:

Mentors: *James Snyder, PhD*, Wichita State University; *Philip Graham, MPH, Dr. PH*, RTI International, *Kelli Komro, PhD*, University of Florida

Protégés: *Keryn Pasch, PhD*, University of Texas; *Gregory Fosco, PhD*, University of Oregon; *Jeff Temple, PhD*, University of Texas

The purpose of the 2010 ECPN Mentorship Luncheon is to provide a forum to discuss the establishment and sustainability of mentoring relationships. Coursework, fieldwork, internships, papers, dissertations, and diplomas are all important aspects of early career preventionists' training. Nevertheless, one of the most influential and powerful aspects of our training during our schooling and in the early stages of our career are often found in the formal and informal relationships we develop with mentors. These more advanced colleagues are willing to give their time, share their expertise, and give their moral support to promising early-career preventionists. It is normal to have several questions about mentorship in early stages of one's career. How does one choose a mentor that will be a good fit? What are the roles and responsibilities of a mentor? What are the roles and responsibilities of a protégé? Where and how can one find a mentor outside of the usual opportunities (e.g., PhD advisor or internship supervisor)? How can mentors and protégés solve their eventual conflicts in an efficient and productive way?

Our panel includes three mentors who are recognized in their field for providing excellent mentorship experiences to their protégés. Our panel also includes three early- to mid-career protégés who will discuss the establishment of their mentoring relationships and the evolution of these relationships as they moved on to new stages of their careers. We encourage undergraduate students, graduate students, postdoctoral trainees, and individuals who are at the junior stage of their career to attend this roundtable, ask questions, and obtain advice from our panel of mentors and protégés.

Thursday, June 3, 2010, 1:15 pm – 2:45 pm

(3-021) ECPN Symposium II

Mt. Elbert

U.S. Department of Health and Human Services Grant Options for Early Career Prevention Scientists

Chair: *Keryn E. Pasch, PhD*, University of Texas

Presentations: *Aria Crump, PhD*, NIDA, *Robert Freeman, PhD*, NIAAA, *Christopher Gordon, PhD*, NIMH, *Tamara Haegerich, PhD*, CDC, *Lauren Supplee, PhD*, ACF

This session will feature a panel of program officers from several federal granting agencies including NIH, CDC, and the Administration for Children and Families. The panelists will introduce their agencies and provide an overview of the grant opportunities for early career researchers. Panelists will also discuss the new NIH grant format. There will also be a question and answer period for session attendees to get further information from the panel.

Thursday, June 3, 2010, 7:45 pm – 8:45 pm

(3-045) ECPN Social Hour

Hotel Lobby Lounge

Join ECPN friends and colleagues for relaxation and conversation.

Friday, June 4, 2010, 7:30 am – 8:15 am

(4-003) ECPN Planning Meeting

Maroon Peak

Chair: *Ty Ridenour, PhD*, The University of Pittsburgh

Pick up continental breakfast in the registration area and come meet the steering committee and learn how you can participate in the planning and development of ECPN events and activities.

ECPN RAFFLE: J.W. Wiley is partnering with ECPN to raffle off print and online subscriptions to four journals: *Addiction*, *Addiction Biology*, *Alcoholism*, and *The American Journal on Addictions*. Come by the ECPN table in the registration area to fill out a raffle form to enter the contest.

“Art is I, Science is We.”

6th Annual Sloboda and Bukoski SPR Cup Competition

Significant advances in prevention science are often due to a team of individuals working closely together across many years. In recognition of the importance of the collaborative process to the field of prevention, the Society for Prevention Research (SPR) sponsors an annual friendly competition amongst teams of researchers. The SPR Cup is named for two of the founders and long time active members of SPR, Dr. Zili Sloboda and Dr. William Bukoski. The Cup competition is an opportunity for an unique experience: several independent teams of scientists, each working with the same data set, problem solve together for a brief period of time and then jointly present their findings to the SPR membership.

Competition Process

SPR Cup teams receive a data set via email two months prior to the annual meeting. Based on the variables in the data set, each team conducts a literature review and generates hypotheses. The team then conducts analyses and prepares a professional quality presentation for a 10-minute talk on their results. Teams present together during an invited symposium at the SPR annual meeting. Both a panel of senior prevention scientist judges and the symposium audience rate the quality of the research and of the presentation. The team with the highest ratings across the judges and the audience is awarded the SPR Cup during the SPR Awards Ceremony.

Past team champions include the *Sun Devil Scholars* from the Prevention Research Center from the Department of Psychology at Arizona State University in 2006, the *Prevention Geeks* from the State of Oklahoma Department of Mental Health and Substance Abuse Services in 2007, the *Prevention Fellows* from the Prevention Research Center of the College of Health and Human Development at The Pennsylvania State University in 2008, and the *Penn State Pride* in 2009.

Applications for the 2011 SPR Cup Competition

Applications to participate in the competition will be accepted starting in the late fall of 2010. Individuals interested in being placed on a team and full teams may apply. Application requirements are available from the SPR Cup Committee via email at marke@oslc.org or jenniferlewis@preventionresearch.org. For any additional questions, please contact Mark Eddy by phone (541) 485-2711.

Eligible Participants

Eligible participants are individuals who are either (1) currently enrolled in a masters or doctoral training program, or (2) have received their terminal graduate degree within the last 5 years and have not yet been a principal investigator on a research grant from a federal agency or private foundation.

Teams

Teams are limited to five members. Each team should include participants with knowledge and practical experience in research methodology, data analysis, and conference presentation.

8:30 am – 10:15 am

(2-003) Plenary Session I

Grand Ballroom

Epigenetics: Implications for Prevention Science

Chair: *Ron Prinz, PhD*, University of South Carolina

Presenters: *Randy L. Jirtle, PhD*, Department of Radiation Oncology, Duke University Medical Center, *Gustavo Turecki, MD, Ph.D.*, Department of Psychiatry, McGill Group for Suicide Studies, McGill University

Epigenetics is the study of inherited changes in gene expression or phenotype caused by mechanisms other than changes in the underlying DNA sequence, and presumes that non-genetic factors can cause an organism's genes to express themselves differently. The field of epigenetics, important in its own right, has major implications for prevention science. Biological and environmental factors, either natural or planned, have the potential to alter gene expression and the trajectories of human behavior. The two distinguished plenary speakers, Dr. Randy Jirtle and Dr. Gustavo Turecki, will discuss their respective areas of epigenetic research and elucidate some of the realized and future connections to prevention.

Epigenetics, Imprinting and the Developmental Origins of Disease Susceptibility

Presenter: *Randy L. Jirtle, PhD*

Human epidemiological and animal experimental data indicate that the risk of developing adult-onset diseases and neurological disorders is influenced by persistent adaptations to prenatal and early postnatal exposure to environmental conditions such as nutritional privation. Moreover, it is increasingly evident that the link between what we are exposed to *in utero* and disease formation in adulthood involves epigenetic modifications like DNA methylation and histone modifications at metastable epiallele and imprinted gene loci.

Genes with metastable epialleles have highly variable expression because of stochastic allelic changes in the epigenome rather than mutations in the genome. The viable yellow agouti (*A^y*) mouse harbors a metastable *Agouti* gene because of an upstream insertion of a transposable element. We have demonstrated in the *A^y* mouse that maternal dietary supplementation during pregnancy, with either methyl donors (i.e. folic acid, vitamin B₁₂, choline and betaine) or genistein, alters coat color and decreases adult disease incidence in the offspring by increasing DNA methylation and altering histone marks at the *A^y* locus. Moreover, these nutritional supplements can counteract the negative effects on the epigenome caused by the endocrine disruptor, bisphenol A (BPA).

Genomic imprinting is an epigenetic form of gene regulation that results in monoallelic, parent-of-origin dependent gene expression. Since imprinted genes are functionally haploid, only

a single genetic or epigenetic event is needed to dysregulate their function. This unique vulnerability means that imprinted genes are prime candidates for causative roles in human diseases that have a parental inheritance bias and an environmental component in their formation. Utilizing computer-learning algorithms, we predict that humans have fewer imprinted genes than mice, and that there is only a mere 30% overlap between their imprinted gene repertoires. Thus, mice may not be a suitable choice for studying diseases resulting primarily from the deregulation of genomic imprinting. We are now poised to determine the role of epigenetics in the etiology of human conditions such as autism, cancer, diabetes, obesity, and schizophrenia. (Supported by NIH grants ES13053, ES08823, ES015165 and T32-ES07031, and DOE grant DE-FG02-05ER64101)

Randy Jirtle, PhD



Dr. Randy L. Jirtle is a professor of radiation oncology and an associate professor of pathology at Duke University, Durham, NC, where he has been a faculty member since 1977. He graduated with a B.S. degree in nuclear engineering in 1970 and a PhD degree in radiation biology in 1976, both from the University of Wisconsin-Madison. Jirtle's research interests are in epigenetics, genomic imprinting, and the fetal origins of disease susceptibility. Jirtle holds two U.S. patents on imprinted genes and another one is pending approval. He has published over 170 peer-reviewed articles, including ten publications featured on journal covers. He was also a featured scientist on the *NOVA* and *ScienceNow* television programs on epigenetics, and National Public Radio programs, *The People's Pharmacy* and *The DNA Files*. He was invited to present his research at the 2004 Nobel Symposium on Epigenetics. He was honored in 2006 with the Distinguished Achievement Award from the College of Engineering at the University of Wisconsin-Madison. In 2007, Jirtle received an Esther B. O'Keeffe Charitable Foundation Award and capped off the year with a nomination for *Time Magazine's* "Person of the Year." He was the inaugural recipient of the Epigenetic Medicine Award in 2008, and received the STARS Lecture Award in Nutrition and Cancer from the National Cancer Institute in 2009.

The Relationship Between Early Life Adversity and Suicide Risk: From Molecules to Behavior

Presenter: *Gustavo Turecki, MD PhD*

Among factors associated with early adversity, childhood abuse and neglect are one of the strongest predictors of major depression and suicidality. Childhood sexual abuse, in particular, is associated with earlier age of onset of depression, chronic course and more severe depressive outcome. Moreover, history of childhood sexual abuse increases the odds of suicidal behavior up to 12 times. Although less consistently, physical abuse and neglect during childhood are also found to modify risk for

WEDNESDAY

depression onset, course, severity and associated suicidality. A pivotal question, however, is how does childhood adversity influence the risk – many years later – of major depressive episodes and suicidal behavior? In addition, an important question is what are the molecular mechanisms that are involved in this process? Dr. Turecki will address these questions during his presentation. He will present recent data suggesting that epigenetic mechanisms, particularly focusing on glucocorticoid promoter methylation, may, at least in part, help explain why certain individuals who have been abused during childhood are at an increased risk of depression and suicide. This is consistent with data from animal studies, which have recently given us important insight into some of the epigenetic processes that modify behavior and result from early social environmental experiences. Subsequently, he will discuss behavioral mediators of suicide risk, particularly focusing on the role of high anxiety traits, HPA dysregulation and impulsive-aggressive behaviors. These results will be discussed in terms of a general conceptual framework for the understanding of suicide risk.

Gustavo Turecki MD PhD



Dr. Gustavo Turecki obtained his medical degree in 1989, specialty in psychiatry in 1994 and PhD in neurosciences (genetics) in 1999. His research has focused on the study of biomedical risk factors for suicide, with particular interest to the intersection between clinical and basic research. Dr. Turecki holds a William Dawson Chair, heads the Depressive Disorders Program at the Douglas

Mental Health University Institute and is the director of the McGill Group for Suicide Studies and the Quebec Suicide Brain Bank. He is also the director of the Quebec Suicide Research Network and Vice-Chair of Research and Academic Affairs of the Department of Psychiatry, McGill University. He is the recipient of several scientific awards, including the NARSAD Michael Kaplan Investigator Award, the American Foundation for Suicide Prevention Distinguished Investigator Award and the Radio-Canada Researcher of the Year 2009 for his pioneering work, in collaboration with colleagues Michael Meaney and Moshe Szyf, leading to the demonstration for the first time that childhood adversity influences epigenetic markings in the human hippocampus. Dr. Turecki has authored over 160 research articles in peer reviewed journals and book chapters and holds a salary award, as well as funding from several national and international agencies, including CIHR, NIH, NARSAD and AFSP. Dr. Turecki's group scientific contributions include the characterization of the role of impulsive-aggressive behaviors in suicide, the identification and characterization of polyamines as a system involved in the neurobiology of suicidal behavior, and the investigation of epigenetics in mood disorders and suicide.

10:15 am – 11:45 am

(2-005) Plenary Session I Roundtable

Grand Ballroom

Epigenetics: Implications for Prevention Science

Chair: *Ron Prinz, PhD*, University of South Carolina

Presenters: *Randy L. Jirtle, PhD*, Department of Radiation Oncology, Duke University Medical Center, *Gustavo Turecki MD, PhD*, Department of Psychiatry, McGill Group for Suicide Studies, McGill University

A roundtable follows the plenary. This session provides an opportunity for attendees to ask questions and have more time for discussion with the plenary presenters.

(2-007) ECPN Symposium I (See page 40)

Mt. Elbert

An Often Untold Story: Options for Prevention-Oriented PhDs Outside of Academe

Chair: *Ty Ridenour, PhD*, The University of Pittsburgh

Speakers: *James V. Adams-Berger, PhD*, President, OMNI Institute; *Elwira Elek, PhD*, Research Public Health Analyst at RTI International; *William Hansen, PhD*, President, Tanglewood Research Inc.; *Andra L. Teten, PhD*, Behavioral Scientist in the Division of Violence Prevention at the Centers for Disease Control and Prevention; *David Wyrick, PhD*, Associate Professor at UNC Greensboro and President, Prevention Strategies, LLC.

(2-008) The Application of System Sciences Methodologies to Prevention Research, Invited Symposium

Mt. Evans A

Chair: *Elizabeth M. Ginexi, PhD*, National Institute on Drug Abuse

Discussant, *Patricia L. Mabry, Ph.D.*, .NIH Office of Behavioral and Social Sciences Research

Presenters: *Thomas W. Valente, PhD.*, University of Southern California, *Kristen Hassmiller Lich, PhD*, University of North Carolina, Edward J. Wegman, PhD, George Mason University

The symposium will showcase three clear examples of systems science methodologies being used to explore public health problems of interest to prevention researchers. Systems science refers to an approach to problem-solving that involves taking into account the big picture in all its complexity (i.e., a system view). In doing so, systems science approaches dissect important relationships between components of a system and changes in the system over time. This topic is of particular relevance for prevention science because translational efforts in prevention

are squarely aimed at maximizing the population impacts of prevention intervention-related scientific discoveries. To realize true population impacts, it is necessary for us to carefully consider the big picture public health contexts within which our interventions can be targeted. Three system science methodologies will be highlighted in this session including: (1) social network analysis, (2) system dynamics modeling, and (3) agent based modeling.

A Network Assessment of Community-based Participatory Research: Linking Communities and Universities to Reduce Cancer Disparities

Thomas W. Valente, PhD, Institute for Prevention Research Department of Preventive Medicine, Keck School of Medicine, University of Southern California

Community based participatory research (CBPR) is an important perspective useful for achieving public health goals, yet no studies have used network analytic methods to assess whether CBPR activities achieve greater connectivity between community and academy. This study was designed to determine whether a community based initiative designed to reduce cancer disparities among pacific islanders in southern California increased communications between community based organizations and university researchers. Network analysis among 11 community based organizations (CBOs) and five universities was conducted by interviewing 91 and 56 members of these organizations at two points in time. Random effects probit regression and stochastic actor-oriented network dynamic models were estimated. Analysis showed that CBOs increased their connectedness with one another ($b= 0.44$; $p<0.05$) and to the universities ($b= 0.46$; $p<0.05$), but university researchers did not increase their connectedness to each other or to CBOs. We conclude that community based initiatives can strengthen a CBO network creating the potential for increased community-informed cancer research and improved community access to cancer research resources.

Using System Dynamics Tools to Improve Tuberculosis Prevention Efforts

Kristen Hassmiller Lich, PhD, Nathaniel P. Osgood, *Aziza Mahamoud*, Department of Health Policy and Management at the University of North Carolina

Each year, more than 8 million people develop Tuberculosis (TB) disease, and 2 million people die from it. Tuberculosis is an incredibly complex disease to control, in no small part due to its slow progression and ability to lie dormant in many individuals. Although approximately 5% of those infected will develop disease shortly after infection, the remainder remain infected – likely for life. An estimated 1/3 of the world is infected, and many triggers (not all of which are fully understood) can reactivate the infection and lead to disease later in life. In this presentation, we will demonstrate the use of a stock and flow simulation model and system dynamics structure diagram to

inform tuberculosis prevention and control policy. We have developed these models initially to investigate the impact of tobacco smoking on population-level tuberculosis dynamics, and to investigate innovative policy options to control tuberculosis involving this largely ignored, but identifiable and modifiable, risk factor. We are currently working to extend these models to include other important risk factors for TB, such as diabetes, crowding, and HIV, and will share this work in progress to illustrate how such models can be extended to study more complex systems.

A Directed Graph Agent-Based Model of Ecological Alcohol Systems

Edward J. Wegman, PhD, and *Yasmin H. Said, PhD*, Department of Computational and Data Sciences, George Mason University

Users of alcohol are incorporated into a societal system, which for many purposes resembles an ecological system. We have previously modeled such systems using a directed graph with acute outcomes reflecting undesirable individual and societal outcomes. In this paper we expand the model to a hybrid social network directed graph model. We describe the approximate estimates of conditional probabilities based on available data. In the present model, we also approximate geospatial effects related to transportation as well as temporal effects. We consider data on fatal automobile crashes, DWI arrests and alcohol addiction admissions in Virginia, USA and use these as a basis for estimating the hourly, weekly, monthly and annual cycles associated with alcohol consumption. In addition we use surveys carried out by the Department of Alcoholic Beverage Control in Virginia to establish geospatial patterns of purchases of distilled spirits. This data analysis allows us to conjecture spatiotemporal patterns that can be incorporated into calibration of a more complex ecological alcohol systems models.

11:45 am – 1:15 pm

(2-017) ECPN Luncheon (Registration Required)

Mt. Elbert

Mentorship in the Life of Early Career Prevention Scientists

Co-Chairs: *Jessica Duncan Cance, M.P.H.*, University of North Carolina at Chapel Hill and *Marie-Hélène Véronneau, PhD*, University of Oregon

Mentors: *James Snyder, PhD*, Wichita State University; *Philip Graham, M.P.H.*, *Dr. P.H.*, RTI International, *Kelli Komro, PhD*, University of Florida

Protégés: *Keryn Pasch, PhD* University of Texas; *Gregory Fosco, PhD*, University of Oregon; *Jeff Temple, PhD*, University of Texas

4:30 pm – 5:30 pm

(Reception starts at 4:30 pm and program starts at 4:45 pm)

(2-041, 2-042) Awards Reception and Presentation and Celebrating 10 Years of Prevention Science**Grand Ballroom**

Presentations: *Linda Collins*, President, *Nicholas Ialongo*, Chair, Recognition and Awards Committee, *Ty Ridenour*, Chair, ECPN, *Patrick Tolan*, Chair, Publications Committee

7:45 pm – 8:45 pm

(2-044) Diversity Network Reception*Mt. Sopris*Chair: *Sharon Lambert*

Come and share in an evening of fellowship and networking opportunities for SPR's ethnically diverse membership. This includes opportunities to become more involved in SPR's Diversity Network Committee and identifying researchers with interests in conducting prevention science research with racial/ethnic populations.



**You are Cordially Invited to the
Society for Prevention Research
Diversity Network Reception**

Wednesday

June 2, 2010 7:45 - 8:45 pm

Grand Hyatt Denver

Mt. Sopris

*I am because
we are &
we are because
I am.*

-African Proverb

Come and share in an evening of fellowship and networking opportunities for SPR's ethnically diverse membership. This includes opportunities to become more involved in SPR and identifying researchers with interests in conducting prevention science research with racial/ethnic populations.

Refreshments will be provided

6:45 am – 8:00 am

(3-000) Fun Run/Walk

Hotel Lobby

Run or walk for your health in the spirit of health promotion and prevention, join other prevention scientists for a run or walk. Join us in the hotel lobby at 6:45 am.

7:30 am – 8:25 am

(3-003) NIH Discussion Hour

Maroon Peak

Obtaining Your First NIH R01: Recent New Investigators Answer Your Questions

Co-Chairs: *Aria Crump, Sc.D.*, and *Belinda Sims, PhD*, NIDA

Discussants: *Beth Reboussin, PhD*, Wake Forest University, *Guillermo Prado, PhD*, University of Miami, *Phaedra Corso, PhD*, University of Georgia

Join us for a chance to hear from 3 NIH Investigators who obtained their first R01 award within the last 5 years. The Investigators will present their top three to five lessons learned/ tips to consider for obtaining an R01 award. There will be ample time for your questions, and federal staff from the National Institute on Drug Abuse, the National Cancer Institute, the National Institute on Alcohol Abuse and Alcoholism, and the National Institute of Mental Health will be on hand to help answer any questions you may have about NIH research—e.g., Institute priorities, Enhancing Peer Review, etc. This is an opportunity to hear about successful pathways to the R01 and get your questions answered.

8:30 am – 10:15 am

(3-004) PLENARY SESSION II

Grand Ballroom

Psychosocial and Environmental Influences on Brain Development and Psychopathology

Chair: *Diana Fishbein, PhD*, RTI International

Presenters: *Deborah Yurgelun-Todd, PhD*, The University of Utah, *Monique Ernst, MD, PhD*, National Institute of Mental Health, *Susan L. Andersen, PhD* Harvard University

Research has established that individual differences in risk for psychopathologies can only be thoroughly understood by recognizing that human orientation to and processing of environmental inputs rely heavily upon genetic and neurobiological mechanisms. In turn, environmental factors

can alter genetic and epigenetic processes which further modify environmental responses. Interactions between these underlying mechanisms and exposure to a nurturing versus adverse environment bias the developmental trajectories of behavior toward favorable or psychopathological outcomes. A parallel body of research indicates that the neural dysfunctions that often underlie psychopathology, regardless of their origins, are malleable. Moreover, mechanisms that compensate for these neural and behavioral problems can be strengthened by appropriate psychosocial (e.g., nurturing environments, educational and enrichment programs, cognitive neurorehabilitation, exposure therapy, mindful yoga, etc.), and technological (e.g., virtual reality, adaptive training systems, robotic devices, etc.) interventions. Findings of this nature have extraordinary potential significance for mental and public health programs and policies.

Human Brain Development and the Onset of Cannabis Abuse

Presenter: *Deborah Yurgelun-Todd, PhD*

The relationship among psychosocial factors, environment, and brain development is dynamic. While environmental and psychosocial pressures contribute directly to brain development, the trajectory of normal brain development itself shapes how psychosocial and environmental information is processed. We have applied magnetic resonance techniques to study neural development through the application of multiple neuroimaging approaches in combination with neurocognitive and laboratory measures of affect. We have also used this strategy to examine altered brain development associated with substance abuse in adolescence and early adulthood. Our research indicates an overlap between brain systems that are sensitive to psychosocial and environmental information during normal development and those that are affected by clinical pathology and substance abuse. Functional connectivity data showing the impact of age and gender will be shown for both healthy non-using and substance using adolescents. In addition, imaging and neuropsychological data will be presented describing decision making and impulsivity in adolescents in relationship to cannabis abuse and psychopathology. The data suggest that neurobiologic factors may contribute to the onset of substance abuse as well as be associated with the effects of continued substance abuse. These results have important implications for prevention strategies suggesting that programs that emphasize the development and strengthening of limbic and cortical circuits may enhance executive functions and resilience thus reducing the initiation of substance abuse.

THURSDAY

Deborah Yurgelun-Todd, PhD.

Dr. Yurgelun-Todd is Professor of Psychiatry and Director, Cognitive Neuroscience, The Brain Institute, School of Medicine at The University of Utah. Her focus is on the identification of brain abnormalities that could represent risk factors for psychiatric illness. Specifically, she will be researching the effects of development on cortico-limbic networks in healthy children as well as

changes produced by drugs using MRIs. Dr. Yurgelun-Todd currently has \$3.8M in research funding. Yurgelun-Todd has a PhD in neuropsychology from Harvard University. Prior to joining the University of Utah in 2008, she was for eight years an Associate Professor of Psychology in the Department of Psychiatry at Harvard Medical School and for nine years the Director of the internationally recognized Cognitive Neuroimaging laboratory at the Brain Imaging Center of McLean Hospital.

Bridging Neurodevelopmental Science and Public Health

Presenter: *Monique Ernst, MD, PhD*

The past two decades have witnessed an explosion of growth in the neurosciences, particularly with regards to the development of neural systems. Paradoxically, to date, this work has had little impact on prevention, treatment, or policy, despite potentially enormous opportunities at the interface between developmental neuroscience and approaches to improve public health. This presentation will describe developmental trajectories of neural systems. Special emphasis will be placed on the period of adolescence, which is recognized as one of the most vulnerable periods of development with respect to the emergence of risk-taking behavior and its disastrous consequences, drug use, and peak onset of affective disorders. A number of neural systems models have been proposed as frameworks to understand how cognitive, affective and social influences can precipitate, as well as protect against, behavioral and emotional health problems. One such model theorizes an asynchrony in the development of inhibitory systems and reward systems. A more general proposal posits similar maturational imbalances among cognitive, affective and motivational systems. An additional level of complexity comes with the drastic hormonal changes that accompany puberty, and which modulate neural circuitries in critical ways. The presentation of these various neurodevelopmental themes leverages the question of what are the most common modifiable aspects of development that could be targeted in ways that improve the trajectory of cognitive, social and emotional development. In broad terms, how can we facilitate the bridge between neuroscience findings and public health, including public thinking and discussion of policy?

Monique Ernst, MD, PhD

Dr. Monique Ernst is Head of Neurodevelopment of Reward Systems, Senior Staff Clinician in the Emotional Development and Affective Neuroscience (EDAN) of the Mood and Anxiety Disorders Program (MAP) of the Intramural Research Program, National Institute of Mental Health, National Institutes of Health in Bethesda, Maryland. She completed medical

school at the Pitie Salpetriere University in Paris, France, and the PhD program of Neurophysiology; Nervous System and Behavior of the Jussieu University of Paris VI. She did residencies in adult psychiatry at Beth Israel Medical Center and in Child Psychiatry at Bellevue Hospital & New York Medical Center in New York. She is certified by the American Board of Psychiatry and Neurology in Psychiatry and by the American Board of Psychiatry and Neurology in Child and Adolescent Psychiatry. Dr. Ernst's research has focused on brain mechanisms involved in risk factors, pathogenesis, and treatment of pediatric neuropsychiatric disorders. Before joining NIMH in March 2001, her work was centered on children with autism, self-injurious behavior (Lesch-Nyhan Disease), attention-deficit/hyperactivity disorder and substance abuse problems. As part of the Emotional Development and Affective Neuroscience, she focuses her work on developmental neural changes across adolescence, and mechanisms underlying mood and anxiety disorders during this period. Specific targets of her research include genetic vulnerabilities for mood and anxiety disorders, early steroid dysfunction, and the mapping of developmental changes of reward systems in typically developing adolescents, adolescents at risk for a mood /anxiety disorder and adolescents suffering from these disorders.

Psychosocial and Environmental Influences on Brain Development and Psychopathology

Presenter: *Susan L. Andersen, PhD*

Brain development is a complex process, with many different levels of interaction that will eventually culminate in functional neural systems working together to produce behavior that is appropriate to the environment. While genes set the stage, experience shapes the development of this highly adaptive organ, and it is here, that numerous psychiatric illnesses can be traced to developmental processes gone awry. However, a multi-level approach is needed to understand how these processes unfold with maturation. Information from clinical and preclinical studies must inform each other in ways that speak a common language, yet expand where the other field is limited. Both MRI and behavior represent points of intersection from which in-roads can be planned to understand normal and abnormal development. In my talk, I will present data showing how the study of childhood exposure to adversity can inform and be informed by preclinical studies. The main area of emphasis will

be developmental mechanisms of how stress influences behavior and brain anatomy, how parallel findings with MRI in humans and histology in animals can lead to advances in understanding how depression unfolds over the course of maturation. The goal is to find ways that clinical and preclinical researchers may work better together to develop novel strategies aimed not only at symptom reduction, but prevention of a number of psychiatric illnesses. By harnessing the powers of development, it may be possible to reach such a goal.

Susan Andersen, PhD



Dr. Susan Andersen is the Director of the Laboratory for Developmental Neuropharmacology at McLean Hospital and an Associate Professor of Psychiatry at Harvard Medical School. Her research is focused on understanding how the brain matures between childhood, adolescence and adulthood and how environmental factors, such as exposure to adversity or drugs at different stages of life, can alter this process. The driving goal of this work is not only to understand when brain development goes awry, but to determine what novel interventions may be helpful in re-directing development along a healthy path. The laboratory, often in collaboration with others, uses a number of approaches that range from the molar (behavior, MRI) to the more molecular (neuroanatomy, biochemistry, PCR, and viral vectors) to answer our research questions. Dr. Andersen's work is primarily aimed towards psychiatric illnesses, including ADHD, drug abuse, impulsivity, depression, eating disorders and schizophrenia.

10:15 am – 11:45 am

(3-006) Plenary Session II Roundtable

Grand Ballroom

Psychosocial and Environmental Influences on Brain Development and Psychopathology

Chair: *Diana Fishbein, PhD*, RTI International

Presenters: *Deborah Yurgelun-Todd, PhD*, The University of Utah, *Monique Ernst, MD, PhD*, National Institute of Mental Health, *Susan L. Andersen, PhD* Harvard University

A roundtable follows the plenary. This session provides an opportunity for attendees to ask questions and have more time for discussion with the plenary presenters.

10:15 am – 11:45 am

(3-007) Active Living: Societal Approaches to Prevention Across Multiple Behaviors, Invited Symposium

Mt. Sopris

Chair: *Richard F. Catalano, Jr., PhD*, Social Development Research Group, University of Washington

Presenters: *Aleta Meyer, PhD*, National Institute on Drug Abuse, *Kevin Patrick, M.D.* University of California, San Diego, *Frank Perna, PhD*, National Cancer Institute

Since 2001 Active Living Research (ALR) has expanded the definition of PA by building a multidisciplinary field focused on the relationship between PA, the social and built environment, and policy factors. This session will consider how investigators outside the physical activity field could incorporate more PA concepts and methods in their research and increase the disciplinary diversity in research teams. The goal of this session is to stimulate interest among the prevention research community to explore PA's potential to contribute to a wide range of prevention research topics.

The session will begin with a presentation on NIDA's interest in PA and prevention. Highlights will be presented from a recent NIDA science meeting on PA and drug use prevention. The purpose of that meeting was for scientists to share relevant research addressing the relationship between PA/exercise and behavioral health, with the aim of stimulating research to inform substance use prevention. Presenters raised a full range of potential neurobiological, developmental, social, and environmental processes associated with PA and the onset and progression of drug abuse. NIDA subsequently published a funding opportunity to generate research on PA and drug use. A brief description of the funded applications will be provided, along with a description of current funding opportunities relevant to PA and drug use prevention.

The ALR program will be reviewed, and representative measures, methods, and study findings will be presented. The value of engaging unfamiliar disciplines in the research will be emphasized, and methods used to inform policy discussions will be explained. New approaches to measurement and data integration that incorporate geospatial and temporal relationships between PA and psychosocial stress and substance abuse will be addressed.

The final presentation will provide an overview of NCI's interest in PA research related to cancer prevention within the cancer continuum. The presentation will briefly review the scientific link between PA and cancer and chronic disease prevention and how these data inform efforts to expand the research agenda from individual-based interventions to measurement and manipulation of wider social contexts. The presentation will highlight NCI's research agenda related to policy and

environmental influences to PA and provide examples of NCI-developed policy-relevant measurement tools and sponsored activities.

Funding initiatives and mechanisms from multiple NIH Institutes and Centers will be highlighted.

1:15 pm – 2:45 pm

(3-021) ECPN SYMPOSIUM II (see page 41)

Mt. Elbert

U.S. Department of Health and Human Services Grant Options for Early Career Prevention Scientists

Chair: *Keryn E. Pasch, PhD*, University of Texas

Presentations: *Aria Crump, PhD*, NIDA, *Robert Freeman, PhD*, NIAAA, *Christopher Gordon, PhD*, NIMH, *Tamara Haegerich, PhD*, CDC, *Lauren Supplee, PhD*, ACF

1:15 pm – 2:45 pm

(3-022) Integrating Genetic Data into Prevention Research: Substantive and Methodological Challenges, Invited Symposium

Mt. Evans A

Chair: *Karl G. Hill, PhD*, Social Development Research Group, University of Washington

Presenters: *Karl G. Hill, PhD*, *Jennifer A. Bailey, PhD*, Social Development Research Group, University of Washington, *Matthew B. McQueen, PhD*, Institute for Behavioral Genetics

Introduction: Substantive and Methodological Challenges in Integrating Genetic Data into Prevention Research

Karl G. Hill, PhD, *Jennifer A. Bailey, PhD*, *Matthew B. McQueen, ScD*, *J. David Hawkins, PhD*, *John Hewitt*, *Andrew Smolen*, and *Meredith Meacham, MPH*.

The integration of genetic data into prevention research (or prevention considerations into genetic research) is an inherently transdisciplinary project: members of different fields work together to develop novel conceptual and methodologic frameworks with the potential to produce transcendent theoretical approaches (Rosenfield, 1992). This undertaking involves a number of challenges including establishment and maintenance of the team, learning and appreciating the history, methods and current status of one another's discipline, developing a shared, mutually acceptable conceptualization of the phenomenon to be studied and shared standards of evidence for results, helping scientific review groups and funding

agencies (traditionally organized by discipline) understand the transdisciplinary project, anticipating new sets of ethical issues, integrating different data collection approaches, coordinating and integrating analysis strategies across disciplines, and writing results acceptable and useful to both disciplines. In addition to these normal, expected, challenges of transdisciplinary research, gene-environment research in a prevention context brings up a number of unique issues. For example, most prevention research studies have sample sizes under 5000, raising questions about adequate statistical power to overcome issues of multiple-testing in genome-wide association analyses. Most prevention targets are complex behaviors developed over time, yet some statistical analyses (e.g., genome-wide association analyses) may work best with a small number of parsimoniously represented outcomes. In addition, the field of human molecular genetics is changing very rapidly and consensus around best practices is still emerging, which make longer-range planning difficult. Finally, it is unclear how genetic knowledge would be used in prevention implementation. Would we implement prevention programs differently if we knew their impact was moderated by different genetic profiles? The first paper in this symposium presents our own experiences with these issues as a transdisciplinary collaborative team consisting of members of the University of Washington's Social Development Research Group and members of the University of Colorado at Boulder's Institute for Behavioral Genetics, joined with the purpose of designing and implementing a study to integrate genetic data into the Seattle Social Development Project longitudinal prevention study. Other researchers' experiences, thoughts and questions about the integration of genetic data into prevention research are welcome.

General and Specific Environmental Predictors of Nicotine and Alcohol Addiction vs. General Risk Behavior in Adulthood: Strategies for consolidating longitudinal measures for use in gene-environment interplay analyses

Jennifer A. Bailey, PhD, *Karl G. Hill, PhD*, *J. David Hawkins, PhD*, *Meredith Meacham, MPH*, *Matthew B. McQueen, ScD*

Introduction: There is an emerging research focus on gene-environment (G-E) interplay in the prediction of problem behaviors. Correct specification of the outcomes (phenotypes) and characterization of the environment are essential for studies of G-E interplay. Longitudinal studies adding genetic data often have advantages over cross-sectional G-E studies in the depth, breadth, and frequency of measurement of both environments and phenotypes, but this can sometimes lead to a potentially overwhelming abundance of data. Complicating issues include: the availability of multiple measures of both environments and phenotypes, sometimes from multiple sources; the availability of repeated measures that raise the issues of time and development; and the complexity of both behavior and environment. For example, in the context of a longitudinal G-E study, trying to answer the question of whether family environment interacts with genetic risk for alcohol dependence may become

complicated quickly. What aspects of family functioning to include? Conflict? Management? Bonding? Parental alcohol use? Sibling alcohol use? At what ages? Alcohol dependence when and for how long? Alcohol dependence comorbid with other problem behavior like depression, or just alcohol dependence? These and other questions do not necessarily have obvious answers. Therefore, an organizing framework and simplifying strategies are needed. This paper presents examples of strategies for dealing with time/development and behavioral and environmental complexity in the creation of measures of phenotype and environment for use in G-E analyses. The goal in this work is to create models simple enough to permit examination of gene-environment interplay without losing important information on the nature of the environment and the nature of addiction.

Method: Data were drawn from the Seattle Social Development Project, a longitudinal study of 808 youth recruited in 1985 from elementary schools serving a mix of high and low risk neighborhoods. CFA and structural equation modeling were used to define measures of family environment and adult problem behavior, including nicotine dependence, alcohol problems, drug problems, depression, crime, and sexual risk behavior. The continuity of overlap in problem behaviors from age 21 to 33 was examined using factorial invariance testing. Based on these results, a common-specific variance model of problem behavior at age 24 was selected for etiological analyses. Next, the degree to which general family environment, family smoking environment, and family drinking environment contributed to shared variance in problem behavior versus specific variance in nicotine dependence and alcohol problems at age 24 was tested.

Results: Factorial invariance analyses suggest that the structure of problem behavior is largely invariant from age 21 to age 33. Etiological analyses showed that family general environment predicted common variance in problem behaviors at age 24, whereas family smoking and drinking environments, respectively, predicted unique variance in nicotine addiction and alcohol problems. Significance: These results inform work seeking to integrate genetic data into longitudinal prevention studies by providing strategies for developing concise but meaningful models of environment and outcomes.

Methodological Challenges to GxE Research on the Genome-Wide Scale

Matthew B McQueen, ScD and Jason D. Boardman, PhD

The post-genomic era has been characterized by the rapid advance of genotyping technology resulting in a wealth of new, high-quality data that may hold promise for the further elucidation of genetic factors underlying complex disease. The ultimate utility of such rich data may be limited in scope as the field attempts to process and interpret the growing amount of information being generated. Adding further complexity to genome-wide research is the integration of social and/ or environmental factors. This integration introduces unique

challenges to the field that must be addressed to reach valid and robust conclusions. The focus of this discussion will be first to introduce the challenges inherent to GxE research on the genome-wide scale. Challenges discussed include the statistical limitations in the context of extreme multiple testing and sources of bias such as GxE correlation. This will be followed by an overview of methodology developed to address these challenges including weighted hypothesis testing strategies and the use of family-based samples. Finally, an empirical example involving a genome-wide association study of body mass index in the context of educational attainment from the Framingham Heart Study genetic dataset will be presented.

3:00 pm – 3:45 pm

(3-031) Presidential Address

Grand Ballroom

Goals and Goal Attainment in Translation of Prevention Science into Policy and Practice in the President’s National Drug Control Strategy

Chair: *Linda Collins, PhD, SPR President*

Keynote Speaker: *A. Thomas McLellan, PhD, Deputy Director, White House Office of National Drug Control Policy*

Over the past few decades, extraordinary progress has been made in understanding the causes of and effective approaches to the prevention of mental, emotional and behavioral problems of young people - particularly drug and alcohol use. This is in part due to the careful attention that has been given to understanding the influences of risk and protective factors on development. These scientific findings have been incorporated as never before into the President’s National Drug Control Strategy.

This presentation discusses that scientific translation process and the particular prevention priority resulting within the National Drug Control Strategy. The presentation is in three parts. It begins with a general discussion of the function of the White House Office of National Drug Control Policy, specifically its role in creating the President’s Drug Control Strategy and in guiding the budgets of thirteen federal agencies to support that Strategy. The second part of the presentation briefly describes the goals and all the major strategy priorities within the Strategy. This leads in turn to a focused discussion of the role of prevention within the Strategy and particularly the translation of science into a community based prevention and early intervention strategy. Here we highlight the scientific origins, practical rationale and current design for a national system of Prevention Prepared Communities.

The presentation concludes with some implications and opportunities for prevention and health services research in this area.

THURSDAY

Dr. A. Thomas McLellan



On August 10, 2009, A. Thomas McLellan, PhD was sworn in as the Deputy Director of the Office of National Drug Control Policy. As Deputy Director, Dr. McLellan serves as the primary advisor to the Director on a broad range of drug control issues and assists in the formulation and implementation of the President's National Drug Control Strategy.

Dr. McLellan brings 35 years of addiction treatment research to the position, most recently at the Treatment Research Institute, a non-profit organization that he co-founded in 1992 to transform the way science is used to understand substance abuse. Dr. McLellan's contributions to the advancement of substance abuse research and the application of these findings to treatment systems and public policy have changed the landscape of addiction science and improved the lives of countless Americans and their families.

In his career he has published over 400 articles and chapters on addiction research. From 2000-2009 he was editor-in-chief of the *Journal of Substance Abuse Treatment*, and he has also served on several other editorial boards of scientific journals.

Dr. McLellan is the recipient of several distinguished awards including the Life Achievement Awards of the American and British Societies of Addiction Medicine (2001 & 2003); the Robert Wood Johnson Foundation Innovator Award (2005); and awards for Distinguished Contribution to Addiction Medicine from the Swedish (2002) and Italian (2002) Medical Associations.

Dr. McLellan holds a B.A. from Colgate University and his M.S. and PhD from Bryn Mawr College. He received postgraduate training in psychology at Oxford University in England.

3:00 pm – 3:45 pm

(3-033) Presidential Address Roundtable*Grand Ballroom***Goals and Goal Attainment in Translation of Prevention Science into Policy and Practice in the President's National Drug Control Strategy**

Chair: *Richard Spoth, PhD*, Iowa State University

Discussants: *A. Thomas McLellan, PhD*, White House Office of National Drug Control Policy, *Linda Collins, PhD*, Pennsylvania State University and members of the SPR MAPS II Type 2 Translational Research Task Force including *Richard Catalano, PhD*, University of Washington, *Phil Leaf, PhD*, Johns Hopkins University, *Aleta Meyers, PhD*, NIDA, *Maryann Pentz, PhD*, University of Southern California, *Luanne Rohrbach, PhD*, University of Southern California, *Zili Sloboda, Sc.D.*, JBS International, *Richard Spoth, PhD*, Iowa State University

A roundtable follows the plenary. This session provides an opportunity for attendees to ask questions and have more time for discussion with the plenary presenters.

7:45 pm - 8:45 pm

(3-045) ECPN Social Hour*Hotel Lobby Lounge*

Join ECPN friends and colleagues for relaxation and conversation.

9:30 pm – 12:00 am

(3-046) Annual Minority Scholarship Dance*Mt. Sopris***Mothers of Prevention**

Join your SPR friends and colleagues at the 9th Annual SPR Fundraising Dance to benefit minority participant scholarships. Dance to the music of The Mothers of Prevention featuring your favorite musicians and colleagues: Brian Bumbarger, drums and vocals, Gil Borvin, trumpet and flugelhorn, Celene Domitrovich, vocals, Jim Emshoff, electric piano and vocals, John Graham, guitar and vocals, David Hawkins, acoustic guitar and vocals, John Jimenez, lead guitar, and Randy Swaim, bass guitar.

7:30 am – 8:25 am

(4-002) ECPN Steering Committee & Networking Breakfast*Maroon Peak*

Chair: Ty Ridenour

10:15 am – 11:45 am

(4-015) Plenary Session III*Grand Ballroom***Brain Research in the Context of Adolescent Development Research: Implications for Prevention Policy Aimed at Reducing High-Risk Behaviors**Chair: *Robert Freeman, PhD*, National Institute on Alcohol Abuse and Alcoholism*Presenters: Robert A. Zucker, PhD*, University of Michigan Medical School, *Ronald E Dahl, PhD*, University of Pittsburgh Medical Center, *Susan L. Ames, PhD*, Claremont Graduate University

This panel brings together three researchers who have made substantial contributions to understanding how patterns of substance use, risk-taking, and involvement in a range of behavioral and emotional disorders develop during adolescence and emerging adulthood. As these problems contribute to significant mortality morbidity that often extends throughout the lifespan, a deeper understanding as to how and why adolescence creates these vulnerabilities is urgently needed. Such an understanding has the potential to lead to new interventions that can help prevent or postpone hazardous substance use in adolescence and beyond.

Panel presentations will focus on transdisciplinary approaches that illuminate how adolescent vulnerabilities emerge at the interface of biological, behavioral, and social changes during this period of maturation. Robert Zucker describes a conceptual model whereby neurobehavioral changes at puberty lead to increased tendency toward risk-taking, sensation-seeking, and emotional reactivity in adolescence, while the self-regulatory skills and cognitive judgments needed to manage the strong emotional experiences of adolescence tend to mature gradually and relatively slowly across late adolescence. Taken together, these processes result in a maturational gap during which adolescents' behavior tends to be more vulnerable to social influences, and more prone to erratic, risky, and affectively-influenced behavior. Susan Ames describes a dual process model of decision making, cognition, and memory that focuses on a dynamic interplay between a relatively implicit or automatic appetitive system and an executive control/inhibitory system. The synergistic effects of various automatic and control processes has found support in basic research in diverse areas. This talk will include recent imaging and neurocognitive findings in addressing the

implications of the developing balance between the subcortical and frontal regions of the adolescent brain. Ronald Dahl describes the contribution of functional magnetic imaging to study brain response in exploring whether patterns of emotional monitoring and affect control differ between vulnerable and resilient late adolescents and young adults. Results suggest that vulnerable youth are less likely to anticipate negative outcomes and more likely to act impulsively, leading to problematic behavior. Panelists will provide specific examples of opportunities for early intervention in high-risk adolescents, as well as discuss the broader implications of transdisciplinary research to advance understanding of the unique opportunities for prevention in adolescence.

Risk and Resilience in Adolescent Children of Alcoholics: How the Brain-Behavior Dialog Informs About Previously Unexpected RelationshipsPresenter: *Robert A. Zucker, PhD*

Resilience is the avoidance of psychopathology, or alternatively the achievement of a successful adaptation despite the experience of adversity that is associated with elevated risk for a symptomatic outcome. Children of alcoholics (COAs), are one such high adversity group; they are at elevated risk for the development of alcohol use disorder by way of the genetic vulnerability their alcoholic familiarity conveys, their early and sustained exposure to a heavy drinking subculture, a socialization experience that exposes them to high stress over long periods of time, and permits their early involvement with deviant and heavy drinking peers. Despite these challenges, not all COAs will develop AUD. Critical questions for the field are: what diverts some COAs from exposure to the adversity, or alternatively, what behavioral repertoire allows some of them to overcome it.

Research designs addressing these questions are of two types: one focuses on parsing the behavioral repertoire and environmental contexts that allow resilient behavior to take place. The other focuses on the mechanistic underpinnings of resilience as a strategy for deconstructing the core attributes of a resilient response. This presentation describes work using this second strategy, in particular, the use of functional magnetic imaging (fMRI) to study brain response in a risk related task to address the question. Given that difficulty in restraining affective response is a precursive risk factor for alcoholism, we asked whether patterns of emotional monitoring and affect control differed between vulnerable and resilient late adolescents and young adults. An affect arousal task was used during fMRI acquisition, and patterns of response were compared between the two groups. Both had familial risk (i.e., were family history positive (FH+).), but one group already showed risk vulnerability because they were high in alcohol problems. The other group was not. A third, low risk group was used to control for family risk; it was low in problems *and* it lacked the positive family history.

Under conditions of emotional arousal, the resilient group showed a response pattern of increased activation in brain regions that involve monitoring and evaluation of emotional state (insula, orbitofrontal cortex), suggesting a greater capacity for active emotional monitoring. In contrast, the vulnerable group did not show increased activation in these areas, but did in sites responsible for control of emotional response (dorsomedial prefrontal cortex) and for the dissociation between sensory and emotional experience. These differences suggest vulnerable youth will be less likely to anticipate negative outcomes, and more likely to act impulsively, leading to inappropriate, problematic behavior.

In the context of the focus of this symposium, the psychological functional differences suggested by the neuroimaging data, although mechanistically very plausible, are not in areas where behavioral research had yet led us. Thus the collaboration has opened up a line of research on possible new foci for preventive work, in an area whose importance had not previously been recognized. Some remarks will also be addressed to the type of research metatstructure necessary for this kind of cross-disciplinary collaboration, and to the considerable rewards of such work.

Supported by grants from NIAAA (R01 AA12217 and R37 AA07065) and NIDA (K01 DA020088 and R01 DA027261) and a NARSAD award.

Robert Zucker, PhD



Dr. Robert Zucker is Professor in Psychiatry and Psychology at the University of Michigan, Director of the UM Addiction Research Center, and Director of the Substance Abuse Section in the Department of Psychiatry. He has had a career long interest in the multi-level etiology of substance use disorders, and the development of methods for early identification and

intervention. Over the past 25 years, within the context of an ongoing high-risk-for-alcoholism family study, a series of interconnected collaborative projects have been longitudinally characterizing behavioral course, social environment, neurocognitive risk, and symptomatic status of parents and offspring, and describing the developmental pathways of risk for alcoholism from preschool into early adulthood. Recent work has focused on gene-behavior-environment relationships relating to risk and resilience, the intermediate neural circuitry mediating the emergence and maintenance of risk, the interaction between macro-environment and individual risk in shaping the movement in and out of diagnosis, and the role of sleep dysregulation as a risk factor. These collaborative projects have documented the very early appearance of nonspecific risk, especially undercontrol and negative emotionality, in initiating and sustaining a high risk cascade across childhood, and identified a number of collateral mediators and moderators that operate in tandem across risk systems.

Transdisciplinary Research on Adolescent Brain Development: A Framework for Understanding Unique Opportunities for Prevention

Presenter: *Ronald E Dahl, MD*

Adolescence is a period of increased rates of risk-taking, dangerous behaviors, and for developing a wide range of behavioral and emotional disorders. These problems contribute to significant mortality as well as a great deal of morbidity that begins in adolescence but often extends throughout the lifespan. Thus, there is a compelling need for a deeper understanding as to how and why adolescence creates these vulnerabilities. This presentation focuses on transdisciplinary approaches to understanding how these vulnerabilities emerge at the interface of biological, behavioral, and social changes during this period of maturation—and how these approaches can provide unique insights regarding opportunities for early intervention and prevention. More specifically, a conceptual model is described that focuses on neurobehavioral changes at puberty, which lead to an increased tendency toward risk-taking, sensation-seeking, and emotional reactivity in adolescence. These biologically-based changes in affective neural systems contribute to emotional and motivational changes that typically begin to manifest relatively *early* in adolescence. In contrast, the self-regulatory skills and cognitive judgments needed to manage the strong emotional experiences of adolescence tend to mature gradually (and relatively slowly) across late adolescence. Taken together—these early affective changes and the slow gradual maturation of cognitive control—can lead to a maturational gap during which adolescents' behavior tends to be more vulnerable to social influences, and more prone to erratic, risky, and affectively-influenced behavior. This presentation will present empirical data from controlled studies that support key aspects of this model, focusing on puberty-specific changes in sleep, emotion, and motivation. In addition, this model will be used to focus on three specific examples of opportunities for early intervention in high-risk adolescents: a) improving emotion regulation skills, b) improving sleep/wake patterns, and c) increasing physical activity. The final part of the presentation will discuss the broader implications and need for more transdisciplinary research to advance understanding of the unique opportunities for prevention in adolescence.

Ronald E. Dahl, PhD

Dr. Ronald E. Dahl is the Staunton Professor of Psychiatry and Pediatrics and the Medical Director of the Child and Adolescent Neurobehavioral Laboratory at the University of Pittsburgh. He is a pediatrician with considerable research interests in the areas of sleep/arousal and affect regulation and its relevance to development of behavioral and emotional disorders in children and adolescents. His work focuses on early adolescence and pubertal maturation as a developmental period with unique opportunities for early intervention in relation to a wide range of behavioral and emotional health problems. Dr. Dahl co-directs a large program project of research on child/adolescent depression with more than a decade of funding from NIMH, and has received an NIH Independent Scientist Award focuses on the interface of sleep, arousal, and affect regulation during adolescent development. This research is interdisciplinary and bridges between basic development research and the direct clinical translation regarding early intervention of affective disorders. He has published extensively on adolescent development, sleep disorders, and behavioral/emotional health in children.

A Neuro-developmental Perspective of Implicit and Control Processes in Appetitive Habit Formation

Presenter: *Susan L. Ames, PhD*,

Dual process models of decision making, cognition, and memory have gained substantial momentum in basic behavioral and health behavior research. These models describe a dynamic interplay between a relatively implicit or automatic appetitive system and an executive control/inhibitory system. Automatic associative processes reinforced by appetitive behaviors (e.g., alcohol, other drug use, sex) have neurobiological consequences that affect subsequent behavior. As a result of continued substance use, automatic associative processes become increasingly stronger, overriding or overwhelming control processes, with the addictive behavior coming more under stimulus- and less under voluntary control (e.g., Stacy, Ames & Knowlton, 2004). Yet, there are individual and developmental differences in the balance of these systems. Implicitly activated, risky associations may be most readily translated into behavior among those (of all ages) without sufficient protection in executive control functions, such as adequate affective decision making and impulse control. Additionally, since frontal regions supporting protective control functions are not fully developed among youth, the dual process model argues that there will be less of an adaptive counterbalance in reflective and decision ability in youth. Automatic associations promoting appetitive habits like alcohol or drug use are free to develop and strengthen, while control processes are not yet sufficiently adaptive. At the same time, excessive substance use prior to complete prefrontal development may impair subsequent development in important protective functions. This neuro-developmental perspective

suggests that adolescents in mid to late teens may be especially susceptible to these risks, which are compounded by the increase in likelihood of heavy alcohol or drug use episodes during these ages. This interaction, underscoring the synergistic effects of various automatic and control processes, has been supported in basic research in diverse areas. This talk will address the plausible developmental relations of these systems, with implications for the developing balance between subcortical and frontal regions, as well as present recent imaging and neurocognitive findings from our lab. Implications for prevention programming will be discussed. Adolescence and emerging adulthood are periods with the highest rates of onset of substance use, leading to likely neural effects and interactions with developmental processes. Understanding these processes may enhance our knowledge of the development of persistent substance use, ultimately leading to new interventions that can help prevent or at least postpone substance use during development and potentially prevent hazardous use in adolescence and beyond.

Susan L. Ames, PhD

Dr. Susan L. Ames is associate professor in the School of Community and Global Health at Claremont Graduate University, a member of the Claremont University Consortium. She earned her PhD in Preventive Medicine with a focus on health behavior research from the University of Southern California in 2001. She completed her doctoral training with support from an NCI Cancer Control and Epidemiology Research Training Grant. Dr. Ames has been key personnel on several substance abuse prevention projects funded by the National Institutes of Health. Her work focuses on the transdisciplinary area of associative memory and moderating influence of control processes. This area integrates research from neuroscience, memory, social cognition, learning, and decision theory to explain how drug use (and other risk behavior) habits begin and are perpetuated. Dr. Ames current research, funded by NIAAA and NIDA, addresses the influence of associative memory and control processes on appetitive behaviors and habit formation. Her current NIH-funded projects involve some of the first studies to evaluate the neural correlates of associative memory processes in substance abuse among population samples of emerging adults and college students.

2:45 am – 4:15 pm

(4-017) Plenary Session III Roundtable*Grand Ballroom***Brain Research in the Context of Adolescent Development Research: Implications for Prevention Policy Aimed at Reducing High-Risk Behaviors**

Chair: *Robert Freeman, PhD*, National Institute on Alcohol Abuse and Alcoholism

Presenters: *Robert A. Zucker, PhD*, University of Michigan Medical School, *Ronald E Dahl, PhD*, University of Pittsburgh Medical Center, *Susan L. Ames, PhD*, Claremont Graduate University

A roundtable follows the plenary. This session provides an opportunity for attendees to ask questions and have more time to discussion with the plenary presenters.

2:45 pm – 4:15 pm

(4-040) Prosociality: An Evolutionary Perspective, Invited Symposium*Grand Ballroom*

Chair: *Anthony Biglan, PhD*, Oregon Research Institute

Discussant: *Dennis Embry, PhD*

Presenters: *David Sloan Wilson, PhD*, University of Binghamton, *Daniel O'Brien, Ph.D*, *Martin Hankins, PhD*, Oregon Research Institute

Prevention science is rooted in efforts to prevent the major psychological and behavioral problems of human behavior. Until recently most studies have been restricted to identifying risk factors for problems and evaluating interventions to prevent those problems. However, there is growing concern that preventing problems in isolation and focusing on liabilities while ignoring assets does not necessarily translate into optimal living. Ultimately a science of human behavior should contribute to people being fully successful in all of the areas of their lives that they value and to their contributing to the wellbeing of others.

A critical construct in this regard is prosociality. Prosocial behavior and attitudes appear to make it more likely that people will be successful in their own lives and that they will contribute to the wellbeing of others. The symposium will present a theoretical framework for the analysis of prosociality and empirical evidence on this construct. David Sloan Wilson, who has written extensively about the role of prosociality in human evolution will present a theoretical framework and will describe the role of prosociality in the success of human groups through history. Daniel O'Brien will then present evidence from the Binghamton Neighborhood Project on the prosociality

of adolescence and its relationship to other aspects of the community culture. A third presentation, by Martin Hankins and Anthony Biglan, will describe evidence on the relationship between prosociality and diverse psychological and behavioral problems of adolescents. The discussant, Dennis Embry, will relate this evidence to work on prevention in communities.

The Importance and Evolution of Prosociality

Presenter: *David Sloan Wilson, PhD*, University of Binghamton

Evidence about Prosociality from the Binghamton Neighborhood Project

Presenter: *Daniel O'Brien, PhD*, University of Binghamton

The Relationship of Prosociality to Psychological and Behavioral Problems of Adolescents

Presenters: *Martin Hankins, PhD*, and *Anthony Biglan, PhD*, Oregon Research Institute

Tuesday, June 1, 2010

7:45 am - 6:45 pm

(1-001) REGISTRATION, Registration

2nd Floor Elevator Bank

8:00 am - 8:45 am

(1-002) CONTINENTAL BREAKFAST

Located within your Preconference workshop meeting room

8:30 am - 4:30 pm

(1-003) PRE-CONFERENCE WORKSHOP I

Mt. Harvard

8:30 am - 4:30 pm

(1-004) PRE-CONFERENCE WORKSHOP II

Mt. Oxford

8:30 am - 4:30 pm

(1-005) PRE-CONFERENCE WORKSHOP III

Mt. Sopris

8:30 am - 4:30 pm

(1-006) PRE-CONFERENCE WORKSHOP IV

Longs Peak

8:30 am - 4:30 pm

(1-007) INTERNATIONAL NETWORKING FORUM

Mt. Columbia

10:00 am - 10:45 am

(1-008) MORNING BREAK

Located within your Preconference workshop meeting room

12:00 pm - 1:00 pm

(1-009) LUNCH ON YOUR OWN

3:00 pm - 3:45 pm

(1-010) AFTERNOON BREAK

Located within your Preconference workshop meeting room

5:30 pm - 7:00 pm

(1-011) OPENING RECEPTION

Imperial Ballroom Foyer

5:30 pm - 7:00 pm

(1-012) NIDA INTERNATIONAL POSTER SESSION

(1-013) NIDA WELCOME (6:00 PM - 6:10 PM), Reception

Imperial Ballroom

The International Program and the Prevention Research Branch of the National Institute on Drug Abuse (NIDA) will host the 3rd NIDA International Poster Session at SPR. Posters will highlight prevention and prevention related research completed in international settings by international researchers, domestic researchers, or bi-national teams.

Introduction: Linda Collins, SPR President

Speaker: Wilson Compton, NIDA

1 Adolescent Brain Development and Implications for Drug Abuse Prevention

Ken Winters, Jeff Lee

2 Prevention-Smart Parents

Ken Winters, Jeff Lee, Richard MacKenzie

Africa

- 3 **Peer to Peer Project**
Rogers Kasirye, Jeff Lee, Ken Winters

Australia

- 4 **Population prevention for early childhood mental health problems: Cluster controlled trial**
Jordana Bayer, Harriet Hiscock, Melissa Wake, Obioba Ukoumunne, Lisa Gold, Daniel Shaw

Asia

- 5 **Implementing an Emotion Coaching Parenting Program in Hong Kong, China - Some Preliminary Findings**
Chi-Ming Kam
- 6 **Evaluating Depressive Symptom Interactions on Adolescent Smoking Prevention Program Mediators: A Mediated Moderation Analysis**
Kari-Lyn Sakuma, Ping Sun, Jennifer Unger, C. Anderson Johnson
- 7 **Drug Abuse and Infectious Disease in Tahachal, Nepal**
Saraswoti Lamichhane, Meen Poudyal Chhetri
- 8 **Substance Abuse and Health-Risk Behaviors in Baglung, Nepal**
Santosh Sharma, Meen Poudyal Chhetri
- 9 **Urban Health and Substance Abuse Issues in Paurakhi Gaon, Nepal**
Meen Poudyal Chhetri

Central America and South America

- 10 **Drug Resistance Skills of Youth in Guanajuato, Mexico**
Carlos Calderon-Tena, Stephen Kulis, Flavio Marsiglia, Stephanie Ayers
- 11 **Fighting to Leave: The Relationship between Interpersonal Violence and Migration Desires and Plans**
Tanya Nieri, Steven Hoffman, Flavio Marsiglia, Stephen Kulis

12 Colombia Working in Prevention

Jorge McDouall, Elizabeth Cortes, Angelica Rodriguez

13 Differential item bias of depression and anxiety symptoms among 12-17 year olds: A study of Chilean adolescents

Cristina Bares, Fernando Andrade, Jorge Delva, Andrew Grogan-Kaylor, Akibito Kamata

14 Understanding the potential link between adolescents' drive to succeed and behavioral problems with a community sample of Chilean youth

Cristina Bares, Jorge Delva, Andrew Grogan-Kaylor, Marcela Castillo

15 Do boys and girls with equal latent levels of depression-anxiety problems endorse items differentially? A study of gender item bias among Chilean youth

Cristina Bares, Fernando Andrade, Jorge Delva, Andrew Grogan-Kaylor, Akibito Kamata

Europe**16 Implementation of Unplugged program in Croatia**

Valentina Kranzelic, Martina Feric Slehan

17 Community Readiness for Prevention of Substance Abuse and Other Risk Behaviors in Istria County in Croatia

Josipa Basic, Josipa Mihic, Sonja Grozic Zivolic, Miranda Novak

18 Gender Specific Risk and Protective Factors for Substance Abuse

Martina Feric Slehan, Valentina Kranzelic, Arijana Mataga Tintor, Mirna Gajski

19 Unplugged

Peer van der Kreeft, Daniel Pellaux, Jeff Lee, Ken Winters

20 The Things We Smoke: Prevalence and Psychosocial Factors Associated with Cigarette, Waterpipe, and Marijuana Use in Estonian Youth

Hiie Silmere

- 21 Project Trampoline - Designing and Evaluating a Modular Prevention Program for Children from Substance-Abusing Families**
Sonja Broening, Sylvia Ruths, Diana Moesgen, Ines Schaunig-Busch, Michael Klein, Rainer Thomasius
- 22 The effects of peer/individual risks and promotive factors on middle school youth substance use: the Warsaw Adolescent Study**
Anna Rustecka-Krawczyk, Magdalena Wójcik, Krzysztof Ostaszewski, Anna Borucka
- 23 The effects of family risks and psychosocial promotive factors on middle school youth substance use: the Warsaw Adolescents Study**
Anna Borucka, Krzysztof Ostaszewski
- 24 Unexpected effects of some positive factors in adolescent substance use and other problem behaviors. The Warsaw Adolescent Study**
Magdalena Wójcik, Anna Rustecka-Krawczyk, Krzysztof Ostaszewski
- 25 The effects of cumulative risks and promotive factors on urban middle school adolescent polydrug use: Warsaw Adolescent Study**
Krzysztof Ostaszewski, Marc Zimmerman
- 26 “Value-added” education and health behaviors in high-risk, urban schools**
Kelli Komro, Amy Tobler, Alexis Dabroski, Wolfgang Markham, Paul Aveyard

Middle East

- 27 Trends of substance abuse among university students In the Gaza Strip 2008. A follow up study**
Mohammed Fathi AlAfifi, Mazen AlSakka
- 28 High Risk Adolescent Alcohol Use and Problem Behavior in Israel: Trends and Gender Differences (2004-2009)**
Richard Isralowitz, Alexander Reznik

Wednesday, June 2, 2010

7:00 am - 5:00 pm

(2-000) REGISTRATION

Second Floor Elevator Bank

7:00 am - 8:30 am

(2-001) CONTINENTAL BREAKFAST

Imperial Ballroom Foyer

8:30 am - 10:00 am

(2-003) PLENARY SESSION I

Grand Ballroom

Epigenetics: Implications for Prevention Science

Chair: *Ron Prinz*, University of North Carolina

Presenters: *Randy Jirtle*, Duke University Medical Center, *Gustavo Turecki*, McGill University

10:00 am - 10:15 am

(2-004) MORNING BEVERAGE BREAK

Imperial Ballroom Foyer

10:15 am - 11:45 am

(2-005) PLENARY SESSION I Roundtable

Grand Ballroom

Epigenetics: Implications for Prevention Science

Chair: *Ron Prinz*, University of North Carolina

Presenters: *Randy Jirtle*, Duke University Medical Center, *Gustavo Turecki*, McGill University

10:15 am - 11:45 am

(2-006) HIV PREVENTION INTERVENTIONS FOR AT-RISK AND VULNERABLE YOUTH, Organized Paper Symposia

Efficacy Trials

Mt. Sopris

Chair: *Jacqueline Lloyd*

Discussant: *Mary Jane Rotheram-Borus*

29 HIV Prevention Interventions for At-Risk and Vulnerable Youth

Mary Jane Rotheram-Borus

30 Shifting the HIV Prevention Paradigm from Head to Heart

Laurie Bauman, Ellen Silver

31 HIV Risk Reduction Among Homeless Youth and Families

Mary McKay, Nisha Beharie, William Bannon, Laura Elwyn, Leah Goldstein

32 Family Prevention Intervention for Homeless Youth

Norweeta Milburn, Francisco Iribarren, Eric Rice, Elizabeth Mayfield, Alex Lee, Kate Desmond

10:15 am - 11:45 am

(2-007) ECPN SYMPOSIUM I

Mt. Elbert

An Often Untold Story: Options for Prevention-Oriented PhDs Outside of Academe

Chair: *Ty Ridenour*

Presenters: *William Hansen, David Wyrick, Andra Teten, Elvira Elek, James Adams-Burger*

WEDNESDAY

10:15 am - 11:45 am

(2-008) THE APPLICATION OF SYSTEM SCIENCES METHODOLOGIES TO PREVENTION RESEARCH, Invited Symposium

System Science Perspectives

Mt. Evans A

Chair: *Elizabeth Ginexi*

Presenters: *Patricia Mabry, Thomas Valent, Edward Wegman, Kristen Lich*

10:15 am - 11:45 am

(2-009) FIDELITY IN THE IMPLEMENTATION OF A MIDDLE SCHOOL DRUG PREVENTION CURRICULUM: ADHERENCE, ADAPTATION, AND ENGAGEMENT, Organized Paper Symposia

Implementation Science

Mt. Evans B

Chair: *Michelle Miller-Day*

Discussant: *Michael Hecht*

33 Fidelity in the Implementation of a Middle School Drug Prevention Curriculum: Adherence, Adaptation, and Engagement

Michael Hecht

34 Types of and Reasons for Teacher Adaptation of a Middle School Substance Use Prevention Curriculum

Michelle Miller-Day, Jonathan Pettigrew, YoungJu Shin, Diana Schroeder, Michael Hecht, Janice Raup-Krieger

35 Comparing Teacher Self-Reports of Fidelity to Observer Ratings

YoungJu Shin, Jonathan Pettigrew, Diana Schroeder, Michelle Miller-Day, Michael Hecht, Janice Raup-Krieger

36 Researcher Adaptation: Adapting an Existing Prevention Curriculum for a Rural Population

Margaret Colby, Amy Syvertsen, Janice Raup-Krieger, Michelle Miller-Day, Michael Hecht

10:15 am - 11:45 am

(2-010) ACTIVELY BUILDING COMMUNITY, Roundtable

Implementation Science

Longs Peak

Chair: *Jane Callahan*

37 Actively Building Community-Researcher Partnerships: The Road to True Community-Based Participatory Research

Evelyn Yang, Mark Wolfson, Aleta Meyer, Ralph Hingson

10:15 am - 11:45 am

(2-011) BEHAVIORAL RISKS IN DISADVANTAGED FAMILIES, Grouped Individual Papers

Etiology

Pikes Peak

Chair: *Deborah Drabick*

38 Conduct problems, parental supervision, and socioeconomic status: Child by context interactions prospectively predict deviant peer associations

Julia Price, Deborah Drabick, Joshua Klugman, Ada Mezzich

39 Frustration Tolerance Moderates the Relation between Expressive Language Ability and Externalizing Behaviors among Inner-City Youth

Johanna Carpenter, Elizabeth Steinberg, Deborah Drabick

40 Child Temperament Moderates the Effect of Negative Parental Coping on ODD and GAD among Inner-City Children

Elizabeth Steinberg, Johanna Carpenter, Deborah Drabick

10:15 am - 11:45 am

(2-012) NEW DIRECTIONS IN MEDIATING VARIABLE ANALYSIS, Organized Poster Forum

Innovative Methods & Statistics

Grays Peak

Chair: *David MacKinnon*

41 New Directions in Mediating Variable Analysis

David MacKinnon, Ginger Burrell

42 **Mediation for Count Outcomes: Equivalence of the Mediated Effect**

Stefany Coxo, David MacKinnon

43 **Test of an Instrumental Variable Estimation of the Mediated Effect**

Ginger Burrell, David MacKinnon, Yasemin Kisbu

44 **When Evaluation of Moderation in Component Paths of the Mediation Model Implies Moderation of the Product**

Amanda Fairchild, Winston Abara, Samuel McQuillin, Aaron Taylor

45 **A Critical Examination of the MacArthur Moderation and Mediation Models**

Lois Gelfand

46 **When does the bias-corrected bootstrap test of mediation produce elevated Type I error rates and why?**

Matthew Fritz, Aaron Taylor, David MacKinnon

47 **Assessing how a prevention program works and for whom: An illustration of how to carry out a moderated mediation analysis in five simple steps using the Bridges to High School Project**

Amanda Gottschall, David MacKinnon, Roger Millsap, Darya Bonds, Nancy Gonzales, Larry Dumka

48 **An Initial Study of Methods for Testing Indirect Effects with Imputed Data**

Patrick Malone, Andrea Lamont, Amanda Fairchild

10:15 am - 11:45 am

(2-013) PARENT PSYCHOPATHOLOGY AND RISK FOR CHILD MENTAL HEALTH AND SUBSTANCE USE DISORDERS: OPPORTUNITIES FOR PREVENTION AND INTERVENTION,

Organized Paper Symposia

Etiology

Maroon Peak

Chair: *Amy Goldstein*

Discussant: *Kimberly Henry*

49 **Parent Psychopathology and Risk for Child Mental Health and Substance Use Disorders: Opportunities for Prevention and Intervention**

Amy Goldstein

50 **Implications of Research on Parental Alcoholism for Earlier Prevention Efforts**

Andrea Hussong, Patrick Curran, Daniel Bauer

51 **Parents' Depression and Risk for Child Psychopathology: Implications for Preventive Interventions**

Judy Garber, Bruce Compas, V. Robin Weersing

52 **Parent Psychopathology as a Moderator of Universal Preventive Intervention Effects: The Case of the Linking the Interests of Families and Teachers Randomized Controlled Trial**

J Mark Eddy, Bert Burraston, Jean Kjellstrand, Charles Martinez

10:15 am - 11:45 am

(2-014) USING DYNAMIC MULTI-LEVEL MODELS TO INFORM PREVENTION THEORY AND PRACTICE: CAUSAL IMPACTS OF THE 4RS PROGRAM ON CHILDREN, CLASSROOMS AND SCHOOLS, Organized Paper Symposia

Effectiveness Trials

Mt. Columbia

Chair: *John Aber*

Discussant: *Nicholas Ialongo*

53 **Three Year Cumulative Impacts of the 4Rs Program on Children's Social-Emotional, Behavioral, and Academic Outcomes**

Juliette Berg, Stephanie Jones, Joshua Brown, John Aber

54 **Longitudinal Impacts of the 4Rs Program on Observed Classroom Climate and Teacher-Reported Processes and Practices**

Joshua Brown, Stephanie Jones, John Aber

55 **Using dynamic multi-level models to inform prevention theory and practice: Causal impacts of the 4Rs program on children, classrooms and schools**

John Aber, Stephanie Jones, Joshua Brown, Juliette Berg, Nicholas Ialongo

56 **Using Administrative Data to Evaluate Impacts in a School-Randomized Prevention Trial of the 4Rs Program**

Catalina Torrente, Juliette Berg, John Aber, Stephanie Jones, Joshua Brown

10:15 am - 11:45 am

(2-015) INTERVENTIONS TO PREVENT SUBSTANCE USE AMONG ADOLESCENTS, Grouped Individual Papers

Effectiveness Trials

Mt. Oxford

Chair: *Helene White*

- 57 **A peer-led social network based smoking prevention intervention for adolescents: findings from a randomised trial in UK schools (The ASSIST study)**

Laurence Moore, Rona Campbell, Jo Holliday, Suzanne Audrey

- 58 **Evaluation of a school-based curriculum to prevent prescription drug abuse**

Kristen Holtz, Eric Twombly, Christine Agnew

- 59 **A class-based intervention to reduce risk of adolescent illicit drug use in China: a cluster randomized controlled trial**

Zengzhen Wang, Qian He, Dingyan Chen

11:45 am - 1:15 pm

(2-016) LUNCH ON YOUR OWN

11:45 am - 1:15 pm

(2-017) ECPN LUNCH (REGISTRATION REQUIRED)

Mt. Elbert

Mentorship in the Life of Early Career Prevention Scientists

Chair: *Jessica Duncan Cance and Marie-Hélène Véronneau*

Mentors: *James Snyder, Philip Graham, Kelli Komro,*

Protégés: *Keryn Pasch, Gregory Fosco, Jeff Temple*

1:15 pm - 2:45 pm

(2-018) 5th ANNUAL SPR CUP

Grand Ballroom

Chair: *J Mark Eddy*

Judges: *Zili Sloboda, Jennifer Frank, Felipe Castro, Deborah Gorman-Smith and guest judges*

Teams: **SIRC du Soleil:** *Stephanie Ayers (Captain), Jennifer Mullins, Alex Wagaman, Monica Bermudez-Parsai;* **Penn & Excellers:** *Suellen Hopper (Captain), Lauren Molloy, Jessica Johnson, Julia Moore, Suellen Hopper;* **DEEP SEEKERS:** *Greg Fosco (Captain), Amber McEachern, Jessica Tipsord, Josh Felner, Cynthia Huang, Shannon Peake*

1:15 pm - 2:45 pm

(2-019) UNDERSTANDING MECHANISMS OF CHANGE IN TESTING COMMUNITIES THAT CARE, Organized Paper Symposia

Efficacy Trials

Mt. Sopris

Chair: *J. David Hawkins*

Discussant: *Mark Greenberg*

- 60 **Understanding Mechanisms of Change in Testing Communities That Care**

J. David Hawkins, Mark Greenberg

- 61 **Effects of Adopting of a Science-based Approach to Community Prevention on Youth Outcomes**

Eric Brown, J. David Hawkins, Michael Arthur, John Briney, Richard Catalano

- 62 **Assessing the Effects of Communities That Care on Communities' Use of Tested and Effective Prevention Strategies in the Community Youth Development Study**

Michael Arthur, Koren Hanson, Abigail Fagan, J. David Hawkins

1:15 pm - 2:45 pm

(2-020) PARENT-FOCUSED EFFECTIVENESS TRIALS: UNDERSTANDING HETEROGENEITY IN EFFECTS, Organized Paper Symposia

Effectiveness Trials

Mt. Elbert

Chair: *Pamela Morris*

Discussant: *David Olds*

63 Parent-Focused Effectiveness Trials: Understanding Heterogeneity in Effects

Pamela Morris, David Olds

64 Effects on Youth Mental Health of a Program Targeting Parental Depression: Testing gene-environment interactions in a randomized experiment

Pamela Morris, Cynthia Willner, Ximena Portilla

65 Promoting Parenting Practices and Preventing Aggression among Black Pre-K Students in Elementary Schools in Underserved Communities

Laurie Brotman, Spring Dawson-McClure, Esther Calzada, Dimitra Kamboukos, Keng-Yen Huang, Francoise Acra

66 Intervention Effects on Social Support in Family Groups

Deborah Gorman-Smith, Michael Schoeny, Winnie Chan, David Henry, Patrick Tolan, Diane Hall, Alana Vivola

1:15 pm - 2:45 pm

(2-021) USING GENETIC AND OTHER NEUROBIOLOGICAL MARKERS TO IDENTIFY CHILDREN AND ADOLESCENTS AT RISK: FORGING NEW PREVENTION SCIENCE FRONTIERS OR WALKING ON THIN ICE?, Roundtable

Culture, Context, Cells & Prevention (Sponsored by SPR MAPS I Biological and Psychosocial Task Force)

Mt. Evans A

Chair: *Elizabeth Ginexi*

67 Using genetic and other neurobiological markers to identify children and adolescents at risk: Forging new prevention science frontiers or walking on thin ice?

Michael Bardo, Diana Fishbein, Thomas Dishion, Celia Fisher, Ezemenari Obasi

1:15 pm - 2:45 pm

(2-022) MEDIA-BASED STRATEGIES FOR PREVENTION, Organized Paper Symposia

Implementation Science

Mt. Evans B

Chair: *Ron Prinz*

Discussant: *Nicholas Ialongo*

68 Media-Based Strategies for Prevention

Ron Prinz, Matthew Sanders, Carol Metzler, Dennis Embry, Rachel Calam, Nicholas Ialongo

69 Working Effectively with the Media on Parenting: Learnings from Large-Scale Parenting Media Intervention Trials

Matthew Sanders, Carol Metzler

70 "I couldn't have taken part any other way": How Can Media and Internet Based Parenting Interventions Assist Prevention?

Rachel Calam

71 Prevention Science Meets Retail Consumers

Dennis Embry

1:15 pm - 2:45 pm

(2-023) WITHDRAWN

1:15 pm - 2:45 pm

(2-024) REDUCING YOUTH SUBSTANCE USE AND OTHER NEGATIVE BEHAVIORS THROUGH INNOVATIVE PREVENTION PROGRAM STRATEGIES, Grouped Individual Papers

Efficacy Trials

Pikes Peak

Chair: *Aleta Meyer*

72 Effects of a Youth Substance Use Prevention Program on Other Delinquent Behavior

Tanya Nieri, Jake Apkarian, Flavio Marsiglia, Stephen Kulis

- 73 **Timing school-based prevention in elementary versus middle school: Growth curve effects of a model program on the substance use trajectories of Mexican heritage youth**

Flavio Marsiglia, Stephen Kulis, Scott Yabiku, Tanya Nieri, Elizabeth Coleman

- 74 **From Theory to Practice: One-year Post-Prevention Findings from an Efficacy Trial of Click City: Tobacco**

Judy Andrews, Judith Gordon, Sarah Hampson

1:15 pm - 2:45 pm

(2-025) ECONOMIC EVALUATION OF PREVENTION: INNOVATIVE METHODS FOR STUDYING PROGRAM DISSEMINATION,

Organized Paper Symposia

Innovative Methods & Statistics

Grays Peak

Chair: *Daniel Crowley*

Discussant: *Brian Bumbarger*

- 75 **Economic Evaluation of Prevention: Innovative Methods for Studying Program Dissemination**

Brian Bumbarger

- 76 **Costing Prevention Systems for Sustained Programming: The PROSPER Project**

Daniel Crowley, Damon Jones, Mark Greenberg

- 77 **Ethnic/Racial Differences in Ongoing Engagement in Prevention Programs: An Exploration of Parental Perception of Benefits and Costs**

Phaedra Corso

- 78 **Cost Analysis in Community-based Disseminations**

Casey Suter, Laura Hill, Bidisha Mandalb

1:15 pm - 2:45 pm

(2-026) RISK BEHAVIORS AND HIGHER-RISK BEHAVIORS: MEASUREMENT AND PREDICTION IN ADOLESCENTS,

Organized Paper Symposia

Etiology

Maroon Peak

Chair: *Patrick Malone*

Discussant: *Katherine Masyn*

- 79 **Risk Behaviors and Higher-Risk Behaviors: Measurement and Prediction in Adolescents**

Patrick Malone, Katherine Masyn

- 80 **Predictors of Weapon Carrying Behavior During Adolescence**

Andrea Lamont, Patrick Malone, Li Huang, Jill Lubansky

- 81 **Early/Risky Sexual Behavior and Its Predictors During Adolescence**

Li Huang, Patrick Malone, Andrea Lamont, Jill Lubansky

- 82 **Adolescent Substance Use and Early Predictors**

Jill Lubansky, Patrick Malone, Andrea Lamont, Li Huang

1:15 pm - 2:45 pm

(2-027) PREVENTING BEHAVIOR PROBLEMS AND PROMOTING A POSITIVE SCHOOL CLIMATE THROUGH SCHOOL-WIDE POSITIVE BEHAVIOR SUPPORT, Organized Paper Symposia

Effectiveness Trials

Mt. Columbia

Chair: *Catherine Bradshaw*

Discussant: *Anthony Biglan*

- 83 **Preventing Behavior Problems and Promoting a Positive School Climate through School-wide Positive Behavior Support**

Catherine Bradshaw, Anthony Biglan

- 84 **Using Findings from Randomized Trials To Inform the Integration of School-wide PBS with Social-Emotional Learning**

Catherine Bradshaw, Philip Leaf, Celene Domitrovich, Dennis Embry, Wendy Reinke, Keith Herman, Nicholas Ialongo

- 85 **A Randomized Trial of School-wide PBS in Middle Schools: Preliminary Findings on Intervention Fidelity**

Jeffrey Sprague, Julie Rusby, Anthony Biglan

- 86 **Combining Positive Behavioral Support and Social Emotional Learning to Improve Student outcomes and Enhance School Climate**

Sabina Low, Brian Smith

1:15 pm - 2:45 pm

- (2-028) ENVIRONMENTAL INFLUENCES ON CHILD AND ADOLESCENT DEPRESSION: AN INTERNATIONAL PERSPECTIVE**, Grouped Individual Papers

International Prevention Research

Mt. Oxford

Chair: *Melissa Rivera*

- 87 **The Individual within the Peer Context in Adolescent Depression: The Effects of Peers' Self-Efficacy & Depressive Symptoms**

Janet Okamoto, Thomas Valente, Joel Milam, Ping Sun, Adam Leventhal, Mary Ann Pentz, David Schwartz, C. Anderson Johnson

- 88 **Fathers' and mothers' mental health and parenting, family contextual risk, and young children's problem behavior in two parent intact biological families: An Actor-Partner-Interdependence Model**

Eirini Flouri

- 89 **Culture as a vector: The case of suicidal ideation among Arab adolescents living in Israel**

Moshe Israelashvili, Helen Kakunda-Mualem

2:45 pm - 3:00 pm

- (2-029) AFTERNOON BREAK**

Imperial Ballroom Foyer

3:00 pm - 4:30 pm

- (2-031) FACILITATING RESEARCH TO UNDERSTAND THE IMPACT OF WIDELY IMPLEMENTED BUT UNTESTED PREVENTION PROGRAMS: CASE EXAMPLES FROM SCREENING AND BRIEF INTERVENTIONS (SBIS) AND POSITIVE YOUTH DEVELOPMENT**, Roundtable

Efficacy Trials

Mt. Sopris

Chair: *Aleta Meyer*

- 90 **Facilitating Research to Understand the Impact of Widely Implemented but Untested Prevention Programs: Case Examples from Screening and Brief Interventions (SBIs) and Positive Youth Development**

Aleta Meyer, Jacqueline Lloyd, Emilie Smith, Barbara Gerbert, Craig Dobkin, Michel Aboutanos

3:00 pm - 4:30 pm

- (2-032) CAN COMMUNITY-RANDOMIZED PREVENTION TRIALS BE CONDUCTED EFFECTIVELY AND YIELD POSITIVE RESULTS?**, Roundtable

Effectiveness Trials

Mt. Elbert

Chair: *Wilson Compton*

- 91 **Can Community-Randomized Prevention Trials be Conducted Effectively and Yield Positive Results?**

Wilson Compton, Ron Prinz, Richard Spoth, J. David Hawkins

3:00 pm - 4:30 pm

- (2-033) RISK AND PROTECTIVE FACTORS FOR SUBSTANCE USE AMONG MINORITY YOUTH AND IMPLICATIONS FOR INTERVENTIONS**, Grouped Individual Papers

Epidemiology

Mt. Evans A

Chair: *Sarah DeGue*

- 92 **The American Indian Alcohol and Drug Survey: A Review of 35 Years of Research**

Kimberly Miller, Susan Harness, Fred Beauvais

- 93 **School matters! Academics and alcohol, cigarette and marijuana use among a national sample of Hispanic adolescents**

Ellen Vaughan, Lisa Kratz, Julie d'Argent

- 94 **Depression and conduct problems mediate the protective relationship of parental support on black adolescents' alcohol use**

Julie Maslowsky, John Schulenberg, Lisa Chiodo, John Hannigan, Mark Greenwald, James Janisse, Robert Sokol, Virginia Delaney-Black

3:00 pm - 4:30 pm

(2-034) INCREASED UNDERSTANDING ABOUT FIDELITY AND ITS ROLE IN MODERATING EFFECTIVENESS IN SUBSTANCE USE PREVENTION, Organized Paper Symposia

Implementation Science

Mt. Evans B

Chair: *William Hansen*

Discussant: *Celene Domitrovich*

95 Increased Understanding about Fidelity and Its Role in Moderating Effectiveness in Substance Use Prevention

Celene Domitrovich

96 Fidelity of implementation in the project towards no drug abuse dissemination trial: associations with teacher characteristics, school-level factors, and program outcomes

Luanne Rohrbach, Melissa Gunning, Ping Sun, Steve Sussman

97 The relationship between self-reported fidelity and changes in student substance use

Melinda Pankratz, Steve Shamblen, Christopher Ringwalt

98 Observed Relationships between Outcomes and Quality of Delivery among All Stars Teachers

William Hansen, Linda Dusenbury, Melinda Pankratz, Christopher Ringwalt

3:00 pm - 4:30 pm

(2-035) PROMISES AND PITFALLS IN RESEARCH COLLABORATIONS WITH CITY HALL TARGETING ALCOHOL-RELATED VIOLENCE: CASE STUDIES DRAWN FROM 3 EAST COAST CITIES, Organized Paper Symposia

Implementation Science

Longs Peak

Chair: *Robert Freeman*

Discussant: *Ralph Hingson*

99 Promises and Pitfalls in Research Collaborations with City Hall Targeting Alcohol-Related Violence: Case Studies Drawn from 3 East Coast Cities

Robert Freeman, Debra Furr-Holden, Robert Lipton, Charles Branas, Beth Ellis Ohr

100 Effective Strategies for Working with Municipal Government Officials to Reduce Alcohol-Related Violence among School Children: Building Bridges from Research to Policy

C. Debra Furr-Holden, Adam Milam, Damiya Whitaker, Mieka Smart

101 Policy, policing and public health: developing productive and sustainable research collaborations focusing on violence, alcohol and drugs

Robert Lipton

102 Linkage of multiple municipal and state databases for the study of urban health and safety

Beth Ellis Ohr, Charles Branas

3:00 pm - 4:30 pm

(2-036) STRESS, DEPRESSION AND SUBSTANCE ABUSE, Grouped Individual Papers

Etiology

Pikes Peak

Chair: *Sharon Lambert*

103 Effects of Life Events and Alcohol-Related Problems on Young Adult Depressive Symptoms: Two Studies

Linda Trudeau, Richard Spoth, G. Kevin Randall

104 Differential relationships among life stress, precursors of substance use, and depressive symptoms as a function of cortisol regulation in adolescent girls

Mark Reid, Cara Lewis, Jessica Murakami, Erika Westling, Anne Simons, Judy Andrews

105 Depressive Cognition, Family Factors and Alcohol Use among Asian American Adolescent Girls

Lin Fang

3:00 pm - 4:30 pm

(2-037) MULTILEVEL AND LONGITUDINAL MEDIATION MODELING: LINKING THEORY AND METHOD, Organized Poster Forum

Innovative Methods & Statistics

Grays Peak

Chair: *David MacKinnon*

106 Multilevel and Longitudinal Mediation Modeling: Linking Theory and Method

David MacKinnon, Katherine Masyn, George Howe

107 Taking Cause Seriously in Studying Mediation: Testing the Effects of Varying Functional Form

George Howe, Chris Nettles

108 Cross-Sectional versus Longitudinal Analyses: Discrepant Findings from Prevention Research Data

Yusemin Kisbu-Sakarya, David MacKinnon, Diane Elliot

109 Bayesian Multilevel Mediation Analysis

Ying Yuan, David MacKinnon

110 Parental Involvement in School as a Mediator of the Relationship between Community Disadvantage and High School Graduation Rates: An Application of Multilevel Mediation

Kimberly Henry, Thomas Cavanagh, James McDonald

111 Methods of Estimating Mediated Effects with Discrete-time Survival Analysis

Jenn-Yun Tein, David MacKinnon

112 Complex Setting-Level Interventions in Social-Emotional Learning: Testing Multi-Level Causal Processes

Stephanie Jones, Joshua Brown, John Aber

113 Longitudinal Mediation Analysis for Semi-Continuous Outcomes: Two-part Growth Curve Modeling Approach to Evaluating Mediating Mechanisms of Randomized Trials

JeeWon Cheong, David MacKinnon

3:00 pm - 4:30 pm

(2-038) STABILITY AND CHANGE IN THE DEVELOPMENTAL COURSE OF ALCOHOL USE DISORDERS, Organized Paper Symposium

Etiology

Maroon Peak

Chair: *Karl Hill*

114 Stability and Change in the Developmental Course of Alcohol Use Disorders

Karl Hill

115 Sensitive Periods for Adolescent Alcohol Use Initiation: Predicting Alcohol Problems in Adulthood

Katarina Guttmanova, Jennifer Bailey, Karl Hill, Jung Eun - Olivia Lee, J. David Hawkins, Melissa Woods

116 Predicting Adult Trajectories of Alcohol Abuse and Dependence from Child and Adolescent Alcohol Use and Social Environment

Jung Eun - Olivia Lee, Karl Hill, Jennifer Bailey, Katarina Guttmanova, J. David Hawkins, Rico Catalano

117 Adult Social Development, Problem Alcohol Use, and Health in the 30s

Rick Kosterman, Jung Eun - Olivia Lee, Karl Hill, J. David Hawkins, Rico Catalano

3:00 pm - 4:30 pm

(2-039) UPDATE ON NURSE-FAMILY PARTNERSHIP TRIALS AND COMMUNITY REPLICATION RESEARCH, Organized Paper Symposium

Effectiveness Trials

Mt. Columbia

Chair: *David Olds*

118 Update on Nurse-Family Partnership Trials and Community Replication Research

David Olds

119 Update on Results of Memphis Trial of Nurse-Family Partnership at Child Age 12

Harriet Kitzman, Robert Cole, Carole Hanks, Kimberly Arcoleo, Dennis Luckey, Elizabeth Anson, David Olds

120 Update on Randomized Trial to Increase Participant Retention in Community Practice Settings of Nurse-Family Partnership

Erin Ingoldsby, Pilar Baca, Dennis Luckey, Maureen McClatchey, David Olds

121 Economic Analysis of Nurse and Paraprofessional Home Visiting in Denver Trial of Nurse-Family Partnership

Ted Miller, Amanda Stevenson, Jessica Bondy, Dennis Luckey, Michael Knudtson, David Olds

3:00 pm - 4:30 pm

(2-040) GENETIC AND AUTONOMIC NERVOUS SYSTEM ASSOCIATIONS WITH PARENTING AND CHILD DEVELOPMENT, Grouped Individual Papers

Culture, Context, Cells & Prevention

Mt. Oxford

Chair: *Deborah Capaldi*

122 Social Support as a G×E buffer to Coercive Fathering and Substance Use: A Molecular Genetic Multi-Method Growth Analysis

David DeGarmo, Leslie Leve, Jenae Neiderhiser, Deb Grove

123 Socioeconomic Status Shapes Children's Stress Reactivity Over Time: A Biological Mechanism for the Effects of Socioeconomic Status on Health

Nicole Bush, Nancy Adler, Jelena Obradovic, W. Thomas Boyce

124 Effects of Child Autonomic Functioning and Contextual Stress on Parenting among Contextually Disadvantaged Youth

Jessie Cline, Deborah Drabick

4:30 pm - 4:45 pm

(2-041) AWARDS RECEPTION

Grand Ballroom Foyer

4:45 pm - 5:30 pm

(2-042) AWARDS PRESENTATION

Celebrating 10 years of Prevention Science

Grand Ballroom

Presenters: *Linda Collins, Nicholas Ialongo, Ty Ridenour, Patrick Tolan*

5:45 pm - 7:45 pm

(2-043) POSTER SESSION I AND RECEPTION

Imperial Ballroom

Context & Prevention

125 Influence and Process of Perceived School Multiculturalism in Relation to Youth Delinquency and Depression

Samantha Johansen, Thao Le

126 Analyzing Change in Problem Behavior from Toddlerhood to the School Years

Amber McEachern, Thomas Dishion

127 Early Forms of Aggression and Growth in Depression and Externalizing Behaviors

Amber McEachern, James Snyder

128 Patterns of Relational Aggression, Overt Aggression, and Prosocial Behavior: Gender Differences in Associations with High School Substance Use

Tracy Waasdorp, Sarah Lynne-Landsman, Judy Andrews

129 Examining the link between school climate and forms of aggression: A latent class approach

Tracy Waasdorp, Catherine Bradshaw

130 Geographic Clustering Of Substance Use In Low Income Urban Adolescents

Teresa Hsu, Sharon Lambert, Nicholas Ialongo

131 Protective Factor Clusters Affecting Low-Income Urban Youth Exposed to Stress

Jeremy Taylor, David Meyerson, Kathryn Grant, Megha Tailor, Sireen Irsheid, Sara Sorrentino

132 Adolescent Social Responsibility: The Role of Parents' Values and Behaviors

Amy Syvertsen, Laura Wray-Lake, Constance Flanagan

133 Early-life origins of mortality among inner-city African Americans

Hee-Soon Juon, Rebecca Evans, Margaret Ensminger

134 The Ties that Bind: Quality Parent-Youth Relationships in Adolescence as Predictors of Health Motivation and Life Satisfaction in Adult Hispanic Males

Joshua Kellison, Stephen Boyd, Meghan Garvey, Felipe Castro

135 The Role of Parents, Peers, and Autonomy in Alcohol Use during the First Year of College

Christine Walther, JeeWon Cheong

136 Links Between Characteristics of the School Environment and Levels of Depression and Suicidality in Adolescents

Erin Dunn, Jennifer Green, Renee Johnson

137 Emotional Contexts of Young Teens' Sexual Experiences

Christopher Houck, Wendy Hadley, Rebecca Swenson, Katelyn Affleck, Christopher Mardy

138 Examining the moderating effects of a two-parent household and ethnicity on the link between coping and depression in low-income urban youth

Sireen Irsheid, Jeremy Taylor, Kathryn Grant

139 The Use of Physical Restraint in Elementary School Settings

Jennifer Frank, Claudia Vincent, Tary Tobin, Heidi Von Ravensberg, Robert Horner

140 Profiles of Delinquent Behavior across Middle and High School

Julia Moore, Michael Cleveland, Celene Domitrovich, Meg Small, Laura Ferrer-Wreder

141 The Impact of Dating Violence Victimization on the Sexual Risk Behaviors, Drug Use, and Mental Health Symptoms of Female Adolescents with Serious Mental Illness

Christie Rizzo, Wendy Hadley, Geri Donenberg, Ralph DiClemente, Larry Brown

142 Measurement Invariance of the Massachusetts Youth Screening Instrument, Version 2 (MAYSI-2) for Latino, African-American and White Male Youth in Detention

Sarah Walker, Elizabeth Cauffman, Kathryn Monahan, Eric Trupin

143 Self-Related Threat Appraisals as a Mediator of the Relations of Parenting to Depression in Parentally Bereaved Youth

Erin Schoenfelder, Amanda Sigal, Irwin Sandler

144 The Influence of School Variables on the Developmental Trajectories of Delinquency for Asian, African American, Hispanic, and White Youth

Thao Le, Gary Stockdale

145 A Mediation Model of the Effects of Acculturative Variables on Internalizing and Externalizing Problem Behavior among Cambodian American Youth

Khanh Dinh, Traci Weinstein, Jenn-Yun Tein, Mark Roosa

146 An Impact Evaluation of a Holistic Health Program

Barbara Larsen

147 Drinking Behavior, and Alcohol and Other Drug Use Problems among Five Racial and Ethnic Groups in Southern California

Bettina Friese, Joel Grube, Roland Moore, Robynn Battle, David Gilder, Juan Luna

148 Assessing Risk, Preventing Homicide: The Oklahoma Lethality Assessment Study

Andrea Cimino, Jill Messing, Jacquelyn Campbell, Janet Wilson, Beverly Patchell

149 Life Course Predictors of Adult Homelessness: A Prospective Community Study

Kate Fothergill, Margaret Ensminger, Kerry Green, Judy Robertson

150 A First Look Behind The Barn: Six Month Effects of The Pathways to Health Program on Child Obesity Risk

Mary Ann Pentz, Donna Spruijt-Metz, Chih-Ping Chou, Kari-Lyn Sakuma, Elizabeth Gutierrez Hoyt, Cecilia Portugal, Gayleen Gunning, Hee-Sung Shin, Nathaniel Riggs

151 Exploring the Impact of Religiosity and Acculturation on the Sexual Health of Adolescent Hispanic Females

Scot Smith

152 Cultural stressors, cultural resources, and substance use among Hispanic adolescents in Los Angeles

Jennifer Unger, Anamara Ritt-Olson, Daniel Soto, Karla Wagner, Lourdes Baezconde-Garbanati

Culture, Context, Cells and Prevention

153 An Evaluation of the Application of the Articulated Thoughts in Simulated Situations Paradigm to Urban African American Adolescents

Kelly Pugh, Amie Bettencourt, Denicia Titchner, Krista Mehari, Albert Farrell

- 154 Development and Evaluation of a Measure of Social Problem Solving Skills for Urban Adolescents**
Denicia Titchner, Kelly Pugh, Krista Mehari, Albert Farrell
- 155 Psychosocial stress exposure and salivary cortisol among Latino immigrants in Oregon**
Heather McClure, J Josh Snodgrass, Charles Martinez, J Mark Eddy, Erica Midttveit, Thomas McDade, Roberto Jimenez, Laura Isiorida
- 156 Gaining parental trust and support: Examining culture and context in collecting tobacco-related biomarkers from young African American children**
Jennifer Warren, Phyllis Sloan, Brandi White, Michele Allen, Kolawale Okuyemi
- 157 Electrodermal Responding in Children Moderates Association Between Delinquency and Substance Use Two Years Later**
Sharon Brenner, Theodore Beauchaine
- 158 Do Genes Play a Moderating Role? Effects on Child Self-Regulation and Stress Physiology of a Randomized Experiment Targeting Parental Depression**
Ximena Portilla, Cynthia Willner, Pamela Morris
- 159 Associations between executive cognitive function, substance use, food intake, physical activity, and sedentary behavior in children**
Kari-Lyn Sakuma, Nathaniel Riggs, Hee-Sung Shin, Donna Spruijt-Metz, Chih-Ping Chou, Mary Ann Pentz
- 160 Prevention Strategies: Understanding How Youth Process Positive and Negative Alcohol Messages Embedded in TV Series**
Dale Russell, Cristel Russell
- 161 Emotional intelligence as a moderator to the relation between community violence exposure and alcohol and other drug use in an urban adolescent sample**
Ovgu Kaynak, Stephen Lepore, Wendy Kliewer
- 162 Friendship similarity on substance use and delinquency following multi-school transitions**
Deborah Temkin, Mark Feinberg
- 163 Combating Adolescent Substance Abuse on Multiple Fronts: A National Study of the Stay on Track Program**
Melissa Rivera, Scott Steger

- 164 Depressed mood and overweight: Growth trajectory analyses in a prospective study among African American adolescents**
Yan Wang, Dawn Witherspoon, Maureen Black

Epidemiology

- 165 Gender Differences in the Relationship between Neighborhood Environment and Childhood Depression: Results from a Community Epidemiologic Study of Predominantly African American Urban Children**
Adam Milam
- 166 Behavior problems mediate the association between childhood IQ and substance use disorders**
Stevan Severtson, Nancy Day, Cynthia Larkby
- 167 Hookah Tobacco Smoking in a Large, National Sample of U.S. University Students**
Brian Primack, Mary Hoban, E. Leino, Kristen Rice, Stephanie Land, Thomas Eissenberg, Michael Fine
- 168 Profiles of Financial Stress over Time: Does Income, Social Support or Depression Predict Group Membership?**
Salem Valentino, Julia Moore, Michael Cleveland, Mark Greenberg
- 169 African American adolescents' risks resulting from maternal substance use**
Sharon Johnson
- 170 Acculturative stress and substance use among Mexican-heritage early adolescents: Differentiating experimentation and heavy use using two-part latent growth curve models**
Stephen Kulis, Flavio Marsiglia, Scott Yabiku, Albert Kopak
- 171 The impact of alcohol outlet density on neighborhood clustering of alcohol access behaviors and alcohol-related consequences among underage youth**
Beth Reboussin, Eun-Young Song, Stephen Matthews, Mark Wolfson
- 172 The Timing of School Transitions and Early Adolescent Problem Behavior**
Melissa Lippold, Christopher James Powers, Amy Syvertsen, Mark Feinberg, Mark Greenberg*

173 Gender Differences in Risk and Protective Factors for Alcohol Use and Risk for Substance Use Problems Among Hispanic Adolescents in the state of Indiana

Ellen Vaughan, Ruth Gassman, Mi Kyung Jun, Barbara Seitz de Martinez

174 “What Would Make You Fight:” A Measure of Motivation for Aggression

David Henry, Wing (Winnie) Chan

175 Relation between changes in preadolescent smoker image and early adolescent smoking intentions

Juliana Rosa, Patricia Aloise-Young

176 Transcranial Doppler ultrasound predicts cognitive deficits in preschoolers with sickle cell disease

Jeffrey Schatz

177 Talking to Youth about Drugs: What do Middle-School Adolescents Say about Parental Strategies?

Michelle Miller-Day, Jonathan Pettigrew

178 Sexual Risk Taking Behavior and Knowledge of STIs Prevention Among First Year College Students: A Preliminary Analysis

Winston Abara, Lucy Annang, Pearl Fernandes, Amanda Fairchild, Leah Williams, India Rose*

Etiology

179 Self-Esteem Buffers the Impact of Media Exposure on Adolescent Smoking and Alcohol Use

Thomas Wills, Pallav Pokhrel, Erin Bantum, James Sargent

180 General and Specific Environmental Predictors of Nicotine and Alcohol Addiction vs. General Risk Behavior in Adulthood

Jennifer Bailey, Karl Hill, Meredith Meacham, Jacob Reidhead, J. David Hawkins, Matthew McQueen

181 Risk for Alcohol Use Problems and Low Neurophysiological Adaptability

Tomoko Udo, Eun-Young Mun, Evgeny Vaschillo, Bronya Vaschillo, Jennifer Buckman, Paul Lehrer, Marsha Bates

182 Subjective and Autonomic Response to Acute Alcohol Intoxication in Male and Female College Students with Family History of Alcohol Use Disorders

Tomoko Udo, Eun-Young Mun, Evgeny Vaschillo, Bronya Vaschillo, Marsha Bates

183 A Subgroups Approach to Understanding How Early Reading and Social Skills Jointly Contribute to Future Academic Success

Brittany Rhoades, Michael Cleveland, Christopher James Powers, Mark Greenberg

184 The likelihood of intimate partner violence on substance use days: An examination of men and women in batterer intervention programs

Jeff Temple, Gregory Stuart, Hope Brasfield, Jeniimarie Febres, Patricia Recupero, Shawna Andersen, Meggan Bucossi, Yael Chatav-Schonbrun, Emily Rothman

185 The likelihood of intimate partner violence on substance use days: An examination of men in treatment for substance use

Jeff Temple, Jeniimarie Febres, Hope Brasfield, Yael Chatav-Schonbrun, Meggan Bucossi, Shawna Andersen, Emily Rothman, Gregory Stuart

186 Recommended changes to policy and system function: Supporting prevention initiatives in Systems of Care

Ryan Kilmer, James Cook, Eylon Palamaro-Munsell, Laura Lovato

187 Mediators of the Relation between Alcohol-Specific Communication and Adolescent Alcohol Use

Alison Reimuller, Andrea Hussong, Susan Ennett

188 Looking beyond Traditional Gender Roles: Do Re-conceptualizations Better Predict Condom-related Outcomes for African American Women?

Anh Nguyen, Trenette Clark, Kristina Hood, Maya Corneille, Angela Fitzgerald, Faye Belgrave*

189 Racial Differences in Trajectories of Alcohol, Marijuana, and Hard Drug Use Among a High-Risk Urban Sample

Chioun Lee, Patricia Simon, Eun-Young Mun, Helene White*

190 Early Father Involvement with Infants During Bedtime and at Night and Mother’s Coparenting Satisfaction

Elizabeth Hunt, Douglas Teti, Gail Mayer

191 Readiness for Change and Bystander Behavior: Do college students' level of readiness and beliefs about interpersonal violence influence intended bystander behaviors?

Giannina Fehler-Cabral, Holly Rosen, Alyssa Bauman, Erica Phillipich, Charles Collins

192 Cumulative Risk and Child Socioemotional Adjustment: An Examination of Protective Factors

Cecily Hardaway, Melvin Wilson, Corrie Hurtt, Daniel Shaw, Thomas Dishion

193 Substance Use and the Gender Composition of Adolescent Peer Groups

Lauren Molloy, Scott Gest

194 H1N1 Risk and Psychological and Behavioral Outcomes: Self-Efficacy as a Moderator

Katherine Burns, Cynthia Rohrbeck, Michelle Duplinsky, Philip Moore, Rolf Peterson

195 Intimate Partner Violence among Rural Older Women: Readiness for Action

Nancy Brossoie, Karen Roberto

196 Friendship Closeness as a Moderator of Affect and Substance Use Relations

Julia Shadur, Andrea Hussong*

197 Deployment Apprehension and Future PTSD

Sarah Carter, Elizabeth Allen, Scott Stanley, Howard Markman

198 Interaction patterns between preadolescent girls and boys: Implications for the development of a school-based relationship program

Cindy Miller, Lorey Wheeler, Kimberly Updegraff, Stacie Foster

199 Factors From the RIA Self-Inventory Associated with High-Risk DWI offenders

Thomas Nochajski

200 Trajectories of Parent/Child Communication and Drug Use Among Urban Young Adolescents

Amy Tobler, Kelli Komro

201 Teacher-Student Relationship Quality: Protective Factor for Children at Risk of Being Bullied

Lawrence Elledge, Timothy Cavell, Allison Harris, Rebecca Newgent

Innovative Methods and Statistics

202 Efficiency and Sensitivity of Computerized Adaptive Testing of Risk for SUD

Levent Kirisci, Ralph Tarter, Clement Stone, Michael Vanyukov, Maureen Reynolds, Ada Mezzich

203 A possible solution to handle missing data in preventive intervention studies with complicated multi-level and multi-factored designs

Geehong Hyun, Chungyeol Shin, Cleve Redmond, Sung-Young Lee

204 A structural equations modeling approach to a multilevel ARMA model

Beau Abar, Michael Rovine

205 Can younger children provide reliable self-reports of peer victimization? Empirical support for the Social Experience Questionnaire

Paweena Sukhawathanakul, Tracy Desjardins, Rachel Yeung, Bonnie Leadbeater, Stuart W. MacDonald

206 Using a person-oriented approach to examine the six-year effects of the Family Bereavement Program

Tim Ayers, Jenn-Yun Tein, Stefany Coxe, Sharlene Wolchik, Irwin Sandler

207 Causal Inference for Mediation Analysis with Propensity Scores

Donna Coffman

208 Effects of the SAFEChildren Intervention on Developmental Trajectories of Attention Problems

Patrick Fowler, David Henry, Patrick Tolan, Deborah Gorman-Smith, Michael Schoeny

209 Effect Sizes for Complex Designs Using Growth-Modeling Analysis

Alan Feingold

210 Drug Use Trajectories across Developmental Stages

*Chih-Ping Chou, Jimi Hub, Nathaniel Riggs,
Mary Ann Pentz*

211 Implementing self-collection of saliva samples with a diverse sample of emerging adults

*Martie Skinner, Tom Carpenter, Tiffany Woelfel,
Kevin Haggerty*

International Prevention Research**212 Validation of a U.S. Risk and Protective Framework for Preventing Risky Behaviors in Mumbai Adolescents**

Brenda Miller, Hilary Byrnes, Vimla Nadkarni, Sayani Pan

213 Social Abilities Development in School: Experience of a Prevention Strategy

*Jorge Villatoro, Lourdes Gutierrez-Lopez,
Lianed Gaytan-Flores*

214 Evaluation of Social skill training program La(R)A

Valentina Kranzelic, Martina Feric Slehan

215 Changes in child exposure to secondhand smoke after implementation of smoke-free legislation in Wales

Joanne Holliday, Graham Moore, Laurence Moore

216 Online Intervention for Subjective Well-being in China: the Use of a "Happiness Ledger"

Jun Wang, Zhiping Yang

217 Canadian Youths' Awareness of Drug-related Harms and Consequences

Amy Porath-Waller

218 Using Evidence to Prevent Sexual Exploitation of Children in Ethiopia

Michael Little, Alemu Hailu, Dwan Kaoukji

219 DAMA and Absconding from in-patient substance abuse treatment: Findings from a Nigerian Centre

*Adegboyega Ogunwale, Emmanuel Babalola,
Sunday Amosu*

220 Personal Touch In Psycho-Educational Approach For Primary Prevention

Abd. Halim Mohd Hussin, Mardziah Hayati Abdullah

224 Family Strengthening Program effectiveness with families in social risk situations: an analytical review of the application carry out on drug addiction services in Spain

Marti March, Carmen Orte, Lluís Ballester, Cristina Fernández, Belen Pascual

System Science Perspectives**221 Culture and Contextual Factors in Obesity: A Systems Science Approach**

Carol Mansyur, Luis Rustveld

222 Complex Adaptive Systems: A framework for Organizing CBPR Principles and Practice

Chakema Carmack, Rhonda Belue

223 Prevention and Adolescents' Friendship Networks: Impact of an Evidence Based Program on the Social Status of Antisocial Versus Prosocial Youth

*D. Wayne Osgood, Mark Feinberg, Scott Gest, James Moody,
Karen Bierman*

224 (follows 220)**Implementation Science****225 Evaluation of the FAIR Program: Teaching Diversity Awareness and Social Justice to At-Risk Youth**

*Christine Helfrich, Lindsey Weiler, Francisco Palermo,
Thao Le, Toni Zimmerman*

TECHNOLOGY DEMONSTRATIONS**Etiology****226 Daysimeter: Measuring Light and Activity for Assessing Circadian Entrainment in the Field**

Mark Rea, Mariana Figueiro

Implementation Science**227 New Development of Statistical Software for Prevention Research in the Methodology Center, The Pennsylvania State University**

*Runze Li, Linda Collins, John Dziak, Liying Huang,
Stephanie Lanza, Xianming Tan*

Etiology

228 Opportunities, Insights, and Issues Associated with Geographical Momentary Assessment (GMA)

Kenzie Preston, David Epstein

7:45 pm - 8:45 pm

(2-044) DIVERSITY NETWORK RECEPTION

Mt. Sopris

Chair: Sharon Lambert

Come and share in an evening of fellowship and networking opportunities for SPR's ethnically diverse membership. This includes opportunities to become more involved in SPR's Diversity Network Committee and identifying researchers with interests in conducting prevention science research with racial/ethnic populations.

WEDNESDAY

Thursday, June 3, 2010

7:00 am - 8:00 am

(3-000) FUN RUN/WALK

Hotel Lobby

7:00 am - 8:30 am

(3-002) CONTINENTAL BREAKFAST

Imperial Ballroom Foyer

7:30 am - 8:25 am

(3-003) OBTAINING YOUR FIRST NIH R01: RECENT NEW INVESTIGATORS ANSWER YOUR QUESTIONS

Maroon Peak

Co-Chairs: *Aria Crump, SC.D., and Belinda Sims, PhD*

Discussants: *Beth Reboussin, PhD, Wake Forest University, Guillermo Prado, PhD, University of Miami, Phaedra Corso, PhD, University of Georgia*

Join us for a chance to hear from 3 NIH investigators who obtained their first R01 Award within the last 5 years. The investigators will present their top three to five lessons learned/tips to consider for obtaining an R01 Award. There will be ample time for your questions, and federal staff from The National Institute on Drug Abuse, The National Cancer Institute, The National Institute on Alcohol Abuse and Alcoholism, and The National Institute of Mental Health will be on hand to help answer any questions you may have about NIH research – e.g., institute priorities, enhancing peer review, etc. This is an opportunity to hear about successful pathways to the R01 and get your questions answered.

8:30 am - 10:00 am

(3-004) PLENARY SESSION II

Grand Ballroom

Psychosocial and Environmental Influences on Brain Development and Psychopathology

Chair: *Diana Fishbein*

Presenters: *Deborah Yurgelun-Todd, The University of Utah, Monique Ernst, National Institute of Mental Health, Susan Andersen, Harvard Medical School*

10:15 am - 11:45 am

(3-006) PLENARY SESSION II, Roundtable

Grand Ballroom

Psychosocial and Environmental Influences on Brain Development and Psychopathology

Chair: *Diana Fishbein*

Presenters: *Deborah Yurgelun-Todd, The University of Utah, Monique Ernst, National Institute of Mental Health, Susan Andersen, Harvard Medical School*

10:15 am - 11:45 am

(3-007) ACTIVE LIVING: SOCIETAL APPROACHES TO PREVENTION ACROSS MULTIPLE BEHAVIORS, Invited Symposia

Efficacy Trials

Mt. Sopris

Chair: *Rico Catalano*

229 Active Living: Societal Approaches to Prevention Across Multiple Behaviors

Aleta Meyer, Kevin Patrick, Frank Perna, Rico Catalano

THURSDAY

10:15 am - 11:45 am

(3-008) LESSONS LEARNED FROM PREVENTION RESEARCH USING BIOSOCIAL APPROACHES AMONG LATINO IMMIGRANTS IN OREGON, Roundtable

Culture, Context, Cells & Prevention

Mt. Elbert

Chair: J. Mark Eddy

230 Lessons Learned from Prevention Research using Biosocial Approaches among Latino Immigrants in Oregon

Charles Martinez, J Mark Eddy, J Josh Snodgrass

10:15 am - 11:45 am

(3-009) UNDERSTANDING PROCESSES OF CHANGE IN DISRUPTIVE BEHAVIOR DEVELOPMENT: RESULTS FROM GBG INTERVENTION TRIALS IN BELGIUM, THE NETHERLANDS, AND USA, Organized Paper Symposia

International Prevention Research

Mt. Evans A

Chair: Sheppard Kellam

Discussant: David MacKinnon

231 Understanding Processes of Change in Disruptive Behavior Development: Results from GBG Intervention Trials in Belgium, the Netherlands, and USA

Sheppard Kellam, Hans Koot, Hilde Colpin, David MacKinnon

232 The Role of Peer Relations and Prosocial Behavior in the Development of Victimization and Conduct Problems: Results from the Dutch GBG Intervention Trial

Pol van Lier, Cristina Sturaro, Hans Koot

233 The Role of Teacher Behavior Management in the Development of Disruptive Behavior Symptoms: An Intervention Study with the Good Behavior Game

Geertje Leflot, Pol van Lier, Patrick Onghena, Hilde Colpin

234 Mediation Impact of Growth Trajectories of Aggression Behavior to Distal Outcomes using Data from the Baltimore Prevention Program Trial

Wei Wang, Hendricks Brown, Sheppard Kellam, Jeanne Poduska

10:15 am - 11:45 am

(3-010) USING OBSERVATION METHODOLOGY TO UNDERSTAND TEACHER-CHILD INTERACTIONS: TRANSACTIONAL PROCESSES AND IMPLICATIONS FOR PREVENTION, Organized Paper Symposia

Implementation Science

Mt. Evans B

Chair: Greta Massetti

Discussant: Tamara Haegerich

235 Using Observation Methodology to Understand Teacher-Child Interactions: Transactional Processes and Implications for Prevention

Greta Massetti, Tamara Haegerich

236 Classroom Climate, Control, and Behavior Management as Contributors to Positive School Adjustment for Kindergarteners with Significant Behavioral Problems

Bridget Hamre

237 Systematic Observations of Classroom Context and Student Engagement: Research and Intervention Implications for Students with Behavioral Challenges

Elise Cappella, Daisy Jackson, Ha Yeon Kim, Caroline Wagner

238 Teacher behavioral classroom management strategies and disruptive behavior in the classroom: An observation study of elementary classrooms

Greta Massetti, William Pelham, Daniel Waschbusch, Jimhee Yu

10:15 am - 11:45 am

(3-011) TRANSLATIONAL RESEARCH'S RADICAL AGENDA, Roundtable

Implementation Science

Longs Peak

Discussant: Harold Holder

239 Translational Research's Radical Agenda

Robert Saltz, Harold Holder, Erica Leary, Snip Young

10:15 am - 11:45 am

(3-012) PREVENTING PROBLEM BEHAVIOR TRAJECTORIES IN YOUNG CHILDREN: TARGETING PARENTS, TEACHERS, AND PEER RELATIONSHIPS, Grouped Individual Papers

Efficacy Trials

*Pikes Peak*Chair: *Robert Freeman***240 Effect of Childcare Discounts on Parent Participation Rates in Preventive Parent Training***Deborah Gross, Louis Fogg, Alison Ridge, Christine Garvey, Anne Brusius, Wrenetha Julion, Tricia Johnson***241 PATHS and Peer Pairing in Early Risers Skills for Success: Increasing Peer Acceptance of Children with Adjustment Problems***Joel Hektner, Gerald August***242 Can classroom-based interventions improve Head Start children's subsequent school experiences? Evidence from a cluster-randomized controlled trial***Fuhua Zhai, Cybele Raver*

10:15 am - 11:45 am

(3-013) ADDRESSING STATISTICAL ISSUES INVOLVED IN DEVELOPING EXPERIMENTAL STUDIES DESIGNED TO DOCUMENT THE EFFECTIVENESS OF PREVENTION PROGRAMS IN SCHOOLS, Roundtable

Innovative Methods & Statistics

*Grays Peak*Chair: *Carol Holtzapple*

243

Carol Holtzapple, Jennifer Frank, Jessica Swain-Bradway, Jeffery Valentine

10:15 am - 11:45 am

(3-014) UNDERSTANDING ADOLESCENT RISK BEHAVIORS: THE CONTRIBUTION OF PERSON-CENTERED APPROACHES, Organized Paper Symposia

Etiology

*Maroon Peak*Chair: *Bethany Bray***244 Understanding Adolescent Risk Behaviors: The Contribution of Person-Centered Approaches***Bethany Bray***245 Identifying Subgroups of Adolescents at Risk for Substance Use: An Application of Latent Class Analysis***Brittany Rhoades, Stephanie Lanza***246 The Influence of Parenting on College Alcohol Use and Consequences: A Person-Centered Approach***Caitlin Abar, Rob Turrisi***247 Trajectories of Physical Aggression among Urban Youth: An Application of Latent Trajectory Modeling***Mildred Maldonado-Molina, Wesley Jennings, Kelli Komro*

10:15 am - 11:45 am

(3-015) CAN MEDIA CAMPAIGNS CHANGE HEALTH-RELATED BEHAVIORS AMONG YOUTH? Organized Paper Symposia

Effectiveness Trials

*Mt. Columbia*Chair: *Philip Palmgreen*Discussant: *Michael Slater***248 Can Media Campaigns Change Health-related Behaviors among Youth?***Philip Palmgreen, Seth Noar, Daniel Romer, Michael Slater***249 Outcomes of a Two-City Mass Media Campaign aimed at Delaying Initiation of Sexual Activity among African-American and Caucasian Youth***Rick Zimmerman, Philip Palmgreen, Seth Noar, Pamela Cupp, Brenikki Floyd, Sharon Sznitman, Daniel Romer*

250 Slowing Sexual Risk Trajectories Among African-American Adolescents Through Culturally Sensitive Mass Media Messages

Sharon Sznitman, Daniel Romer, Larry Brown, Michael Carey, Ralph DiClemente, Peter Vanable, Robert Valois, Bonita Stanton, Michael Hennessy, Thierry Fortune, Ivan Juzang, Laura Salazar

251 Youth Engagement with Media: Lessons Learned from Social Networking and Ubiquitous Computing

Sheana Bull

10:15 am - 11:45 am

(3-016) CONSIDERING RISK/PROTECTIVE AND SOCIODEMOGRAPHIC FACTORS IN DESIGNING, IMPLEMENTING, AND EVALUATING EVIDENCE-BASED VIOLENCE PREVENTION PROGRAMS, Grouped Individual Papers

Context & Prevention

Mt. Oxford

Chair: *Jeff Temple*

252 Model Program approaches to Youth Violence: Ethnic, Cultural, and Regional Considerations for Program Implementation and Evaluation

Jason Dela Cruz

253 Core Competencies and Social Bonds as Predictors of Developmental Trajectories of Violence

Tia Kim, Emily Asencio

254 Reciprocal associations between community violence exposure and alcohol use in urban adolescents

Nicole Cammack, Sharon Lambert, Nicholas Ialongo

11:45 am - 1:15 pm

(3-018) LUNCH ON YOUR OWN

1:15 pm - 2:45 pm

(3-019) INNOVATIVE METHODOLOGY FOR ADAPTIVE INTERVENTIONS DRAWING FROM ENGINEERING AND COMPUTER SCIENCE, Organized Paper Symposia

System Science Perspectives

Grand Ballroom

Chair: *Daniel Rivera*

Discussant: *Linda Collins*

255 Innovative Methodology for Adaptive Interventions Drawing from Engineering and Computer Science

Daniel Rivera, Linda Collins

256 A Dynamical Systems Framework for Modeling Behavior Change Interventions to Prevent Excessive Gestational Weight Gain

J.-Emeterio Navarro-Barrientos, Daniel Rivera, Diana Thomas, Linda Collins, Danielle Downs, Leann Birch

257 Q-Learning: A Data Analysis Method for Constructing Dynamically Adaptive Interventions

John Dziak, Inbal Nahum-Shani, Min Qian, William Pelham, Beth Gnagy, Greg Fabiano, Jim Waxmonsky, Jihneeh Yu, Susan Murphy

258 Robust Optimal Decision Policies for Adaptive, Time-varying Behavioral Interventions using Model Predictive Control

Daniel Rivera, Naresh Nandola

1:15 pm - 2:45 pm

(3-020) LONG-TERM EFFECTS OF PARENTING-FOCUSED PREVENTIVE INTERVENTIONS: EVIDENCE, METHODOLOGY, THEORY AND POLICY, Organized Paper Symposia

Efficacy Trials

Mt. Sopris

Chair: *Irwin Sandler*

Discussant: *Anthony Biglan*

259 Long-term Effects of Parenting-Focused Preventive Interventions: A Review of Randomized Experimental Trials

Erin Schoenfelder, Irwin Sandler, Sharlene Wolchik, David MacKinnon

260 Mediation Analysis in the Evaluation of Parenting Programs

David MacKinnon, Hendricks Brown

261 Alternative Theoretical Pathways of the Long-term Effects of Parenting-focused Prevention Programs

Irwin Sandler, Sharlene Wolchik

262 Long-term Effects of Parenting-focused Preventive Interventions: Evidence, Methodology, Theory and Policy

Irwin Sandler, Erin Schoenfelder, David MacKinnon, Sharlene Wolchik, Anthony Biglan

1:15 pm - 2:45 pm

(3-021) ECPN SYMPOSIUM II: U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES GRANT OPTIONS FOR EARLY CAREER PREVENTION SCIENTISTS

Mt. Elbert

Chair: *Keryn Pasch*

Presenters: *Belinda Sims, NIDA, Lauren Supplee, ACF, Chris Gordon, NIMH, Tamara Haegerich, CDC, Aria Crump, NIDA*

1:15 pm - 2:45 pm

(3-022) INTEGRATING GENETIC DATA INTO PREVENTION RESEARCH: SUBSTANTIVE AND METHODOLOGICAL CHALLENGES, Invited Symposium

Mt. Evans A

Chair: *Karl Hill*

Presenters: *Jennifer Bailey, Matthew McQueen, Karl Hill*

1:15 pm - 2:45 pm

(3-023) SCHOOL-BASED INTERVENTIONS TO IMPROVE SOCIAL AND EMOTIONAL SKILLS AMONG ELEMENTARY AGE CHILDREN, Grouped Individual Papers

Implementation Science

Mt. Evans B

Chair: *Alana Vivolo*

263 Changing the contexts of peer victimization in early elementary school: The WITS Program evaluation

Bonnie Leadbeater, Paweena Sukhawathanakul, Tracy Desjardins, Rachel Yeung

264 Evaluation of a multimodal intervention program to prevent prejudice and promote intergroup relations in elementary school children

Andreas Beelmann

265 Improving elementary school quality through the use of a social-emotional and character development program: A matched-pair, cluster randomized, controlled trial in Hawaii

Frank Snyder, Samuel Vuchinich, Alan Acock, Isaac Washburn, Brian Flay

1:15 pm - 2:45 pm

(3-024) PREVENTING SUBSTANCE ABUSE IN THE WORKPLACE: IMPLEMENTING PREVENTION PROGRAMS THAT MEET THE NEEDS OF WORKPLACES AND YOUNG ADULTS, Roundtable

Implementation Science

Longs Peak

Chair: *Georgia Karuntzos*

266 Preventing Substance Abuse in the Workplace: Implementing Prevention Programs that Meet the Needs of Workplaces and Young Adults

Laurie Cluff, Deborah Galvin, Jean Denious, Rebekah Hersch, Ted Miller

1:15 pm - 2:45 pm

(3-025) CULTURAL IDENTITY AND PARENTAL INFLUENCE, Grouped Individual Papers

Etiology

Pikes Peak

Chair: *Brenda Miller*

267 The Effects of Cultural Brokering on Mexican-Heritage Youth's Substance Use and Other Risky Behaviors

Jennifer Kam

268 Ethnic Identity as a Protective Factor in Young, Immigrant Children of Color

Esther Calzada, Catherine Anicama, Yenny Fernandez, Laurie Brotman

269 Parental Involvement and the Academic Achievement of Mexican American Youth: What Kinds of Involvement Matter Most?

Inna Altschul

1:15 pm - 2:45 pm

(3-026) INNOVATIVE METHODS FOR THE EVALUATION OF INTERVENTION EFFECTS IN PREVENTION STUDIES,

Organized Poster Forum

Innovative Methods & Statistics

Grays Peak

Chair: *Katherine Masyn*

Discussant: *Richard Catalano*

270 Innovative Methods for the Evaluation of Intervention Effects in Prevention Studies

Richard Catalano

271 Assessing the Effects of Individually-Tailored Interventions Using Maximum Individualized Change Analysis (MICA)

Eric Brown, Roger Boothroyd

272 Mean or Variance in Intervention Impact Analysis: Do You Have to Decide?

Hanno Petras

273 A Bayesian Growth Mixture Model for Intervention Effects: Illustrative Use with Data from a Study of Suicidal Thoughts and Behavior Following Hospitalization

David Goldston, Alaattin Erkanli

1:15 pm - 2:45 pm

(3-027) ADOLESCENT REPRODUCTIVE HEALTH RESEARCH: PRELIMINARY FINDINGS FROM A CROSS-SITE EVALUATION OF THE ADOLESCENT FAMILY LIFE (AFL) PROGRAM,

Organized Paper Symposia

Etiology

Maroon Peak

Chair: *Marni Kan, Olivia Ashley*

Discussant: *Edward Smith*

274 Adolescent Reproductive Health Research: Preliminary Findings from a Cross-Site Evaluation of the Adolescent Family Life (AFL) Program

Marni Kan, Olivia Ashley, Edward Smith

275 A Cross-Site Evaluation of the Adolescent Family Life (AFL) Program: Design, Methods, and Sample Description

Marni Kan, Olivia Ashley, Jennifer Gard

276 Precoital Behavior as a Potential Outcome for Evaluations of Early Adolescent Sexual Health Interventions

Lori-Ann Palen, Olivia Ashley

277 Teen Mothers' Relationships with their Babies' Fathers: Associations with Sexual Activity and Contraceptive Use

Kathryn LeTourneau, Marni Kan, Olivia Ashley

1:15 pm - 2:45 pm

(3-028) PREVENTION RESEARCH IN U.S. AND EUROPE: ARE THERE MUTUAL BENEFITS OF TRANSATLANTIC EXCHANGE?

Roundtable

International Prevention Research

Mt. Columbia

Chair: *Gregor Burkhart*

278 PREVENTION RESEARCH IN US AND EUROPE: ARE THERE MUTUAL BENEFITS OF TRANSATLANTIC EXCHANGE?

Fabrizio Faggiano, Rosaria Galanti, David Foxcroft, Zili Sloboda, Laurence Moore

1:15 pm - 2:45 pm

(3-029) GOING TO SCALE: IMPLEMENTATION OF SUSTAINABLE DISTRICT- AND STATE-LEVEL PREVENTION INFRASTRUCTURE, Grouped Individual Papers

Implementation Science

Mt. Oxford

Chair: *Belinda Sims*

279 Dissemination of Evidence-based Programs to Improve Public Health: Developing Capacity Through a State-level Prevention Support System

Brian Bumbarger, Brittany Rhoades

280 Going-to-Scale with the Early Risers Conduct Problems Prevention Program

Michael Bloomquist, Gerald August, Chih-Yuan Lee, George Realmuto, Bonnie Klimes-Dougan

281 Creating School District Level Structures for Sustainability Creating School District Level Structures for Sustainability

Kris Bosworth

2:45 pm - 3:00 pm

(3-030) AFTERNOON BREAK

Imperial Ballroom Foyer

3:00 pm - 3:45 pm

(3-031) PRESIDENTIAL ADDRESS

Goals and Goal Attainment in Translation of Prevention Science into Policy and Practice in the President's National Drug Control Strategy

Grand Ballroom

Chair: *Linda Collins*

Keynote Speaker: *Thomas McLellan, Deputy Director, The White Office on Drug Control Policy*

3:45 pm - 4:00 pm

(3-032) AFTERNOON BREAK

Imperial Ballroom Foyer

4:00 pm - 5:30 pm

(3-033) PRESIDENTIAL ADDRESS Roundtable

Goals and Goal Attainment in Translation of Prevention Science into Policy and Practice in the President's National Drug Control Strategy

Grand Ballroom

Chair: *Richard Spoth*

Discussants: *A. Thomas McLellan, PhD, White House Office of National Drug Control Policy, Linda Collins, PhD, Pennsylvania State University and members of the SPR MAPS II Type 2 Translational Research Task Force including Richard Catalano, PhD, University of Washington, Phil Leaf, PhD, Johns Hopkins University, Aleta Meyers, PhD, NIDA, Maryann Pentz, PhD, University of Southern California, Luanne Rohrbach, PhD, University of Southern California, Zili Sloboda, ScD, JBS International, Richard Spoth, PhD, Iowa State University*

4:00 pm - 5:30 pm

(3-034) INVOLVING PARENTS IN YOUTH SUICIDE PREVENTION: FOLLOW-UP OF EFFICACY TRIALS, Organized Paper

Symposia

Efficacy Trials

Mt. Sopris

Chair: *Daria Boeninger*

Discussant: *Elaine Thompson*

282 Involving Parents in Youth Suicide Prevention: Follow-Up of Efficacy Trials

Daria Boeninger, Elaine Thompson

283 Suicide prevention training for parents: Proximal and follow-up observed skills

Wendi Cross, Emma Forbes-Jones, David Seaburn, Karen Schmeelk-Cone, Danette Gibbs

284 Parenting skills training and offspring suicide ideation: Evaluation of the New Beginnings Program for divorced families

Daria Boeninger, Irwin Sandler, Sharlene Wolchik

285 Suicide Risk from Adolescence to Young Adulthood: Long-term Outcomes for Promoting CARE

Carole Hooven, Jerald Herting, Karen Snedker, Elaine Thompson

THURSDAY

4:00 pm - 5:30 pm

(3-035) THE SOCIAL CONTEXT OF BULLYING AND PEER VICTIMIZATION: IMPLICATIONS FOR PREVENTION AND EARLY INTERVENTION, Organized Paper Symposia

Context & Prevention

Mt. Elbert

Chair: *Catherine Bradshaw*

Discussant: *Michael Furlong*

286 The Social Context of Bullying and Peer Victimization: Implications for Prevention and Early Intervention

Catherine Bradshaw, Melissa Holt

287 A Multilevel Perspective on Peer Victimization: Discrepancies among Youth, Teacher, and Parent Views

Tracy Waasdorp, Catherine Bradshaw, Lindsey O'Brennan

288 The School Context of Adolescent Bullying

Erin Dunn, Jennifer Green, Renee Johnson, Beth Molnar, Janice Weinberg

289 The Effect of Caregiver Support and Peer Victimization on Depressive Symptomatology among Lesbian, Gay, and Bisexual (LGB) Youth

Renee Johnson, Jennifer Green, Erin Dunn, Jeremy Kidd, Janice Weinberg

4:00 pm - 5:30 pm

(3-036) SOCIAL-EMOTIONAL ENHANCEMENTS IN PRESCHOOL: EFFECTS ACROSS THE PRESCHOOL TO ELEMENTARY TRANSITION, Organized Paper Symposia

Efficacy Trials

Mt. Evans A

Chair: *Pamela Morris*

Discussant: *Mark Greenberg*

290 Social-Emotional Enhancements in Preschool: Effects Across the Preschool to Elementary Transition

Pamela Morris, Mark Greenberg

291 The Foundations of Learning Project: Classroom management as a pathway to improved preschool experiences

Pamela Morris, Cybele Raver, Megan Millenky, Stephanie Jones, Chrishana Lloyd

292 Long-term impacts of the Chicago School Readiness Project on children's behavior in Kindergarten: The moderating role of child baseline characteristics and kindergarten school quality

Stephanie Jones, Fuhua Zhai, Cybele Raver

293 Promoting Kindergarten Adjustment: Dual Impact of REDI Head Start Enrichment and Kindergarten Classroom Quality

Karen Bierman, Robert Nix, Celene Domitrovich, Janet Welsh, Scott Gest, Damon Jones, Sukhdeep Gill

4:00 pm - 5:30 pm

(3-037) CHALLENGES AND PROMISES: FATHERHOOD CONTRIBUTIONS OF MARGINALIZED GROUPS, Organized Paper Symposia

Implementation Science

Mt. Evans B

Chair: *Derrick Gordon*

294 Challenges and Promises: Fatherhood Contributions of Marginalized Groups

Derrick Gordon, Derek Iwamoto, Bronwyn Hunter

295 The Male Involvement Network: Building a Community Intervention for Low-Income, Non-Custodial Fathers

Bronwyn Hunter, Arazais Oliveros, Derek Iwamoto, Derrick Gordon

296 Adolescent Fathers Involved with Child Protection: Rates, Risks and Resources

Arazais Oliveros, Derek Iwamoto, Bronwyn Hunter, Derrick Gordon

297 Programming for Marginalized Fathers: The Connecticut State Experience

Derek Iwamoto, Arazais Oliveros, Bronwyn Hunter, Derrick Gordon

4:00 pm - 5:30 pm

(3-038) DIGITAL TECHNOLOGY TO TRANSLATE EVIDENCE-BASED PROGRAMS FOR IMPROVED IMPLEMENTATION, BROADENED ACCESS AND ENHANCED SUSTAINABILITY,
Roundtable

Implementation Science

Longs Peak

Chair: *Marcia Ory*

298 Digital Technology to Translate Evidence-based Programs for Improved Implementation, Broadened Access and Enhanced Sustainability

Marcia Ory, Diane Elliot, Ralph DiClemente, Michael Goldberg, Susan Hughes, Deborah Toobert

4:00 pm - 5:30 pm

(3-039) PROMOTING POSITIVE PROGRAM OUTCOMES THROUGH THE APPLICATION OF LATENT VARIABLE METHODS,
Grouped Individual Papers

Innovative Methods & Statistics

Pikes Peak

Chair: *Bethany Bray*

299 Comparing methods for estimating the effects of parenting practices on adolescent problem behavior: May the best method win!

Abigail Fagan, M. Lee Van Horn

300 Pygmalion in mentoring: Peer mentors with a more positive view of youth have better effects on vulnerable mentees

Alice Davidson, Michael Karcher, Jean Rhodes, Carla Herrera

301 Co-occurring internalizing symptoms and substance use: Impact on situational confidence using a latent class analysis approach

H. Isabella Lanza, Bradley Conner, Douglas Longshore

4:00 pm - 5:30 pm

(3-040) USE OF MIXTURE MODELS TO ASSESS ALTERNATIVE SOURCES OF VARIABILITY, Organized Paper Symposia

Innovative Methods & Statistics

Grays Peak

Chair: *M. Lee Van Horn*

302 Use of mixture models to assess alternative sources of variability

M. Lee Van Horn, Kimberly Henry, Patrick Malone

303 How to break regression mixture models

M. Lee Van Horn, Jessalyn Smith, Abigail Fagan, Thomas Jaki

304 Multilevel Latent Class Analysis: An Application of Adolescent Smoking Typologies with Individual and Contextual Predictors

Kimberly Henry, Bengt Muthen

305 The Regression Mixture Model as a Tool for Exploring Multifaceted Longitudinal Patterns of Risk Behavior Involvement

Patrick Malone, Katherine Masyn, Thomas Northrup

4:00 pm - 5:30 pm

(3-041) APPROACHES TO ESTIMATING EFFECTS OF NONRANDOMIZED INTERVENTIONS, Grouped Individual Papers

Innovative Methods & Statistics

Maroon Peak

Chair: *Tamara Haegerich*

306 Daily diaries: A contextually valid assessment of prevention program efficacy

Julie Schatz, E. Mark Cummings, Jacqueline Bauters, Ashley Carlin

307 Using Propensity Score Matching to Test the Effectiveness of REAL Groups, a Small Group Component to keepin' it REAL

Stephanie Ayers, Flavio Marsiglia, Stephen Kulis

308 Propensity Score Matching in Practice--What Can We Learn From Unmatched Individuals?

Weiwei Liu, Hanno Petras

4:00 pm - 5:30 pm

(3-042) FRONTIERS IN PARENTING INTERVENTION RESEARCH FOR DRUG ABUSE PREVENTION, Organized Paper Symposia

Effectiveness Trials

Mt. Columbia

Chair: *Aria Crump*

Discussant: *Belinda Sims*

309 Frontiers in Parenting Intervention Research for Drug Abuse Prevention

Aria Crump

310 The Context Surrounding Health Disparities for American Indian Communities: Cultural Approaches to Evidence-Based Parenting Intervention and Prevention

Betsy Davis, Renda Dionne, Lisa Sheeber, Luke Madrigal

311 Familias Unidas: A Program of Research for Drug Abuse Prevention with Hispanic Populations

Hilda Pantin, Guillermo Prado, Shi Huang, Maria Tapia

312 Motivational Parent Training in Community Corrections: 6-Month Efficacy Findings

Lew Bank

4:00 pm - 5:30 pm

(3-043) CELLS TO SOCIETY: MEASUREMENT, ETIOLOGY AND PREVENTION POTENTIAL OF CHILD AND ADOLESCENT FAMILY TRANSMISSIBLE RISK OF SUBSTANCE USE DISORDERS, Organized Paper Symposia

Culture, Context, Cells & Prevention

Mt. Oxford

Chair: *Ty Ridenour*

Discussant: *Ralph Tarter*

313 Cells to Society: Measurement, Etiology and Prevention Potential of Child and Adolescent Family Transmissible Risk of Substance Use Disorders

Ty Ridenour, Levent Kirisci, Michael Vanyukov, Ralph Tarter

314 Quantifying Transmissible Risk for Cannabis Use Disorder from Childhood to Adulthood

Levent Kirisci, Ralph Tarter, Michael Vanyukov, Ty Ridenour, Maureen Reynolds, Ada Mezzich

315 Phenogenetics of Liability to Addiction

Michael Vanyukov, Levent Kirisci, Ty Ridenour, Maureen Reynolds, Ralph Tarter

316 How well does the Transmissible Liability Index Perform in the General Population and Young Adults with Substance Use Disorders?

Ty Ridenour, Levent Kirisci, Michael Vanyukov, Ralph Tarter

5:45 pm - 7:45 pm

(3-044) POSTER SESSION II AND RECEPTION

Imperial Ballroom

Etiology

317 Measuring Parenting Practices among Parents of Elementary School-Age Youth

Karen Randolph

318 Parenting Practices as Potential Moderators of the Links between Depression, Marijuana Use and Risky Sexual Behavior Among Adolescents

Randi Schuster, Robin Mermelstein, Lauren Wakschlag*

319 Anxiety in childhood predicts adolescent depression

Sherri Mosovsky, Maureen Reynolds, Ralph Tarter

320 The Child Study: A Randomized Controlled Trial of a Long-Term Professional Mentoring Program

Jennifer Cearley, J Mark Eddy, Charles Martinez, Danita Herrera, Jean Grossman, Dana Foney, Tracy Harachi, Mike Stoolmiller

- 321 Heritable risk for developing cannabis use disorder and response to drug use prevention messages: A prospective study**
Maureen Reynolds, Levent Kirisci, Steven Knopf, Ralph Tarter
- 322 Terrorism Risk and Psychological and Behavioral Outcomes: Self-Efficacy as a Moderator**
Katherine Burns, Cynthia Robrbeck, Rolf Peterson, Philip Moore
- 323 Quality of Parent-Child Interactions Predicts Effortful Control in Young Children**
Rebecca Cortes, Liliana Lengua, Nicki Bush
- 324 Father and Mother Relationship and Father Involvement**
Kimberly Bromann, Michael Schoeny, Deborah Gorman-Smith, David Henry, Patrick Tolan
- 325 Initial Results from a Randomized Controlled Trial of Prison-Based Parent Management Training**
John Eddy, Charles Martinez, Bert Burraston, Danita Herrera, Tracy Schiffmann, Dana Foney, Rex Newton
- 326 Intergenerational Effect of Parental Infidelity on Adult Children's Risky Behaviors and Own Infidelity**
Aaron Spence, Elizabeth Allen*
- 327 Bullying and Peer Victimization among Early Adolescents: An Empirical Classification Using Latent Class Analysis**
Anne Powell, Jeffrey Jenson, William Dieterich
- 328 Pathways to college attendance and degree completion: Findings from an inner-city minority cohort**
Suh-Ruu Ou
- 329 Estimating a Patient's Risk of Oncogenic HPV Infection to Prevent Cervical Cancer: Results of a Logistic Regression Model on NHANES Data**
Jian Li, Adriana Ley-Chavez, Manish Talreja, Mbabazi Kariisa, Hyunkje Kwon, Miyhun Chang
- 330 Parent Reported Child Outcomes Associated with Statewide Early Childhood Program Quality Rating and Improvement Systems**
Cynthia Buettner, Jiann Li, David Andrews*
- 331 The Effect of Physical and Social Availabilities on Adolescent Perceived Availability of Alcohol and Last Month Alcohol Use**
Linda Stanley, Kimberly Henry, Randall Swaim
- 332 Gender Differences in Pubertal Timing, Social Competence, and Cigarette Use**
Erika Westling, Judy Andrews, Missy Peterson
- 333 Parent-child communication about alcohol as a mediator between parentification and substance use: Can parentification benefit Mexican-heritage youth?**
YoungJu Shin, Jennifer Kam
- 334 With Whom Do Youth Fight?: Results from the Boston Youth Survey 2008**
Renee Johnson, Mary Vrinotis, Deborah Azrael, Beth Molnar, Emily Rothman, David Hemenway
- 335 Linking socio-economic status to Mexican American youths' academic achievement through parent behaviors and parental investment process models**
Inna Altschul
- 336 The Effects of Parental Diagnosis and Changing Family Norms on Alcohol Use and Related Problems Among Urban American Indian Adolescents**
Randall Swaim, Fred Beauvais
- 337 A longitudinal social network analysis of peer influence, peer selection and adolescent smoking in three British schools**
Liesbeth Merken, Philip Sinclair, Christian Steglich, Joanne Holliday, Laurence Moore
- 338 Is Nonmedical Prescription Opiate Use a Unique Form of Illicit Drug Use?**
Helene White, Richard Catalano, Charles Fleming, Kevin Haggerty, Min Jung Kim
- 339 Psychometric Assessment of the Temptations to Try Alcohol Scale**
Magdalena Harrington, Colleen Redding, Caitlin Burditt, Andrea Pavia, Kathryn Meier, Karin Oatley, Steven Babbitt, Heather McGee, Wayne Velicer

340 Relationship of Student Life Satisfaction to smoking and alcohol acquisition in middle school students

Caitlin Burditt, Magdalena Harrington, Colleen Redding, Andrea Paiva, Kathryn Meier, Karin Oatley, Heather McGee, Steve Babbín, Wayne Velicer

341 Psychometric assessment of the Temptations to Try Smoking Scale in middle school students

Heather McGee, Magdalena Harrington, Colleen Redding, Caitlin Burditt, Andrea Pavia, Karin Oatley, Kathryn Meier, Steven Babbín, Wayne Velicer

342 The Relation Between Risk and Protective Factors and a Brief Depressive Symptomatology Screening Measure

Kathryn Monahan, J. David Hawkins

343 The influence of neighborhood on the development of problem behaviors for youth in the Netherlands

Harrie Jonkman, Majone Steketee

344 Predicting Transitions to Adolescent Alcohol Use in the Presence and Absence of Alcohol Using Peers: A Cross-National Study of the Communities That Care Youth Survey

Rachel Leung, Sheryl Hemphill, John Toumbourou, Richard Catalano

Efficacy Trials**345 Family Systemic Effects of the Oregon Model of Parent Management Training in Newly Constituted Stepfamilies**

James Snyder, Lisha Clark, Marissa Wachlarowicz, Sabina Low, Jamie DeLeeuw, David DeGarmo, Marion Forgatch

346 Investigation of generalized effects of a prevention program to reduce anabolic steroids use in lowering the use of other drugs

Sarah Siodmok, JeeWon Cheong, David MacKinnon, Linn Goldberg, Diane Elliot, Esther Moe

347 Long-term intervention effects on young adult substance use via effects on adolescent substance initiation trajectories

Cleve Redmond, Chungyeol Shin, Richard Spoth

348 The Effects of Family Foundations on Coparenting and Child Adjustment: A Mediation Analysis

Anna Soli, Mark Feinberg, Damon Jones, Donna Coffman

349 Use Of Web And Phone Survey Modes To Gather Data From Parents Of Young Adults In A Longitudinal Study: An Evaluation Of Survey Error And Cost Based On A Randomized Mixed Mode Design

Danielle Woodward, Jenna Elgin, Charles Fleming, Kevin Haggerty, Richard Catalano

350 Targeting Youth Well-Being and School Engagement: Applications of the Family Check-Up Model

Gregory Fosco, Elizabeth Stormshak, Thomas Dishion

351 Six-Year Effects of the New Beginnings Program on Educational Outcomes: Mediation through GPA and Perceived Competence

Amanda Sigal, Jenn-Yun Tein, Erin Schoenfelder, Sharlene Wolchik, Irwin Sandler

352 Predictors of vaccine completion and subject loss within an intensive Hepatitis B inoculation program for homeless adults

Judith Stein, Adeline Nyamathi

353 Treatment Differences for Quality of Relationship and Mental Health Outcomes among Adolescents Participating in a Young Parenting Program

Alberto Varela, Kimberly Frausto, Jason Burrow-Sanchez, Paul Florsheim

354 A Randomized Controlled Trial of a Primary Prevention Parenting Program to Enhance Parent-Child Relationship and Reduce Family Conflict in a Hong Kong Chinese Population

Cecilia Fabrizio, Wing Shan Teresa Cheung, Shuk Yi Irene Pang, Rane Choi, Malia Hirschmann, Tai-Hing Lam, Sunita Stewart

355 Preventing School Failure: Results from the Kid Corps Early Childhood Intervention Pilot

Cynthia Buettner, Lieny Jeon, Jian Li

356 Effects of the 5th and 7th Grade Enhanced Versions of the keepin' it REAL Substance Use Prevention Curriculum

Elvira Elek, David Wagstaff, Michael Hecht

357 Are the Effects of School-Based Mentoring Mediated by Teacher-Student Relationship Quality?

Timothy Cavell, Michael Karcher, Lawrence Elledge

358 Outcomes from a clinic-based intervention to reduce sexual risk behaviors among adolescent girls: The *Prime Time* study

Kari Kugler, Renee Sieving, Barbara McMorris, Sandra Pettingell, Kara Beckman, Molly Secor-Turner

359 Efficacy of the SORT-it-out Emotion Problem-solving Curriculum for Preschoolers

Karen Barrett, Kathleen Reimer, Aimee Walker, Tyler Troyer

360 Considering of the Contribution of Source in Promoting HPV Vaccination Among College-Aged Women: A Randomized Controlled Trial

Suellen Hopfer

361 School-based Mentoring to Reduce Discipline Contacts and Academic Performance

Julie Wolfe, Cynthia Buettner, David Andrews*

362 A Randomized Controlled Trial of Emotion Management Training to Improve Family Harmony and Happiness in a Hong Kong Chinese Population - A Pilot Study

Xiaonan Yu, Malia Hirschmann, Shuk Yi Irene Pang, Cecilia Fabrizio, Tai-Hing Lam, Sunita Stewart

363 School-Based Media Literacy to Prevent Adolescent Smoking

Brian Primack, Erika Douglas, Kristen Rice, Michael Fine

364 Unpacking the Effects of a Preventive Intervention for Low-income Couples: Linking Acquisition of Skills with Gains in Personal and Interpersonal Functioning

Martha Wadsworth, Howard Markman, Erica Moran, Shauna Rienks

365 Estimating Crash Risk Due to Alcohol - A Reanalysis of the Long Beach/Fort Lauderdale Relative Risk Study

Raymond Peck, Michael Gerbers, Robert Voas, Eduardo Romano

366 A Web-based Alcohol Prevention/ Intervention for College Students: Follow-up Evaluation over Twelve Months

C. Raymond Bingham, Andrea Barretto, Jean Shope, Maureen Walton, Trivellore Raghunathan

367 Familias Sanas (Healthy Families): A Culturally Grounded Intervention to Improve the Interconception Care of Latina Mothers

Flavio Marsiglia, Monica Parsai, Jennifer Mullins

368 Requiring DUI Offenders to Install Interlocks to Reinstate: Effective?

Robert Voas, A. Scott Tippetts, A. Scott McKnight

Effectiveness Trials

369 Preventing Childhood Behavioral and Mental Health Problems: Collaboration Between a University and Public Elementary Schools

Dawn Eichen, Brian Daly, Cindy Buchanan, Jean Boyer

370 A Systematic Review of Alcohol Price and Tax Policy Effects on Alcohol-related Problems

Alexander Wagenaar, Amy Tobler, Kelli Komro

371 Engagement and Effectiveness Trial of SFP DVD and Web versions

Henry Whiteside, Karol Kumpfer, Jaynie Brown

372 Combat-DAP: A Tool For Empowering Community Leaders in Drug Abuse Prevention Programs

Abd. Halim Mohd Hussin, Mardziah Hayati Abdullah

373 Effectiveness of a consultation-based program for elementary school teachers of children with ADHD

Marie-France Nadeau, Sylvie Normandeau, Line Masse

374 Establishing Link between Lady Health Workers and Traditional Birth Attendants (LHWs-TBAs) to improve Neonatal Survival An example from Trial of Improved Practices (TIPs) Study, district Naushahro Feroze, Pakistan

Wassan Yaqoob

375 Examining sexual behavior effects of community-based STI screening directed at African American youth

Sharon Sznitman, Daniel Romer, Larry Brown, Michael Carey, Ralph DiClemente, Bonita Stanton, Robert Valois, Peter Vanable, Michael Hennessy, Naomi Farber, Christie Rizzo, Angela Caliendo, Laura Salazar

376 The Effect of a Randomized Academic Achievement Intervention in Urban Elementary Schools on Alcohol Outcomes into Adulthood

Kerry Green, Rosa Crum, Carla Storr, Nicholas Ialongo, James Anthony, Sheppard Kellam

377 Are office discipline referrals a valid measure of student behavior problems?

Elise Pas, Mary Mitchell, Catherine Bradshaw

378 Promoting teacher efficacy and preventing burnout: A multi-level examination of school and teacher predictors

Elise Pas, Catherine Bradshaw, Patricia Hershfeldt, Philip Leaf

379 How effective are Prevention Programs for children and adolescents? Findings from meta-analyses

Joseph Durlak, Daniel Dickson

380 Effects of a Club Drug Prevention Program on Doormen Intervention towards Drug Use-impaired Patrons

Johanna Gripenberg Abdon, Sven Andréasson, Eva Wallin

381 Cognitive-emotional influences on behavioral regulation.

Hans Koot, Evelien Gooren, Pol van Lier

382 Role of peer relations in the reduction of aggressive behavior among children with low levels of on-task behavior.

Geertje Leflot, Pol van Lier, Patrick Onghena, Hilde Colpin

383 Lower verbal abilities (VIQ) and peer relations on (reductions in) externalizing problems.

Barbara Menting, Pol van Lier, Hans Koot

384 The Role of Partner Status in HIV Prevention Programs for African-American Women

Jessica Johnson

385 Understanding Adolescents: The Key is in Communication!

Jacqueline Bauters, Dr. Julie Schatz, Ashley Carlin, E. Mark Cummings

386 Evaluating Suicide Prevention Programs: What to Measure?

Phil Rodgers

387 Evaluating the Effectiveness of the Early Risers Prevention Program for Youth Displaying Elevated Levels of Social Withdrawal

Marcia Jensen, Michael Bloomquist, Susanne Lee, Chih-Yuan Lee, Gerald August, Bonnie Klimes-Dougan

388 Communication Expanded: A Prevention Program Geared Towards All Families

Ashley Carlin, Julie Schatz, Jacqueline Bauters, E. Mark Cummings

Implementation Science

389 Prevention for Vulnerable Youth: Findings from the California Safe and Drug-Free Schools and Communities Governor's Program

Kerrilyn Scott-Nakai, Christina Borbely, Jane Williams

390 Implementation of an Evidence-Based Child Neglect Prevention Program: Findings from a Multi-Site Replication of Family Connections

Jill Filene, Elliott Smith, Lauren Kass

391 Teachers' Delivery Skills and Substance Use Prevention Program Outcomes: The Moderating Role of Students' Need for Cognition and Impulse Decision Making

Steven Giles, Melinda Pankratz, Christopher Ringwalt, William Hansen, Julia Jackson-Newsom, Linda Dusenbury

392 Engaging inner city parents of early adolescents in parenting interventions: What works?

Nadine Finigan, Sarah Lindstrom Johnson, Kantahyane Murray, Tina Cheng, Denise Haynie

393 The dual relationships between prevention adolescent sexual harassment and coping skills acquisition

Maya Shamir, Moshe Israelashvili

394 Integrating mental health promotion in the prevention of chronic disease: Lessons learned from a participatory approach to changing professional practice

Gail McVey, Kathryn Walker, Shelly Russell-Mayhew, Joanne Beyers, Sari Simkins, Cindy Scythes, John Westland, Elaine Murkin

395 Herding Happy Cats: Best Practices for Minimizing Burden and Maximizing Opportunities in Evaluation of a Statewide Prevention Initiative

Christina Borbely, Kerrilyn Scott-Nakai, Jane Williams

396 Integrating Fetal Alcohol Spectrum Disorders (FASD) Evidence-Based Interventions into Existing Service Delivery Organizations

Patricia Getty, Vinitha Meyyur

397 Expanding Urban American Indian Youth's Repertoire of Drug Resistance Skills: Pilot Results from a Culturally Adapted Prevention Program

Patricia Dustman, Stephen Kulis, Eddie Brown

398 UN Family Skills Training Implementation Protocol and International Search for Family EBPs

Karol Kumpfer, Katri Talia, Kiana Talia

399 Effectiveness of the Strengthening Families Program for Child Maltreatment Prevention in Substance Affected Families

Karol Kumpfer, Jeanie Greene, Henry Whiteside, Jody Brook, Jing Xie

400 Building Programming Expertise in Community Leaders: The PROSPER Project

Daniel Crowley, Mark Greenberg

401 Assessing the fidelity of implementation of the SPF SIG model at the community level: A national rubric and empirical illustration from the State of Washington

Roy Gabriel, Gillian Leichling, Linda Becker, Scott Waller

402 Translational Issues in Adolescent Substance Use Screening, Brief Intervention, and Referral to Treatment

Kathleen Herr-Zaya, Carolyn Castro-Donlan, Carol Girard, Fernando Perfás, Karen Schoneman, John Straus, Sion Harris, Zohar Weinstein, John Knight, Sharon Levy

403 SPF-ing Up Substance Abuse Prevention Through the Use of Training and Technical Assistance

Karen Friend, Brenda Amodei, Paul Florin, Linda Barovier

404 Starting at Home: Interdisciplinary university-based strategy addressing the need for an evidence-based practices savvy workforce

Suzanne Kerns, Katherine Comtois, Robert McMahon, Elizabeth McCauley, Emiko Tajima, Shannon Dorsey, Eric Trupin, Andrew Rivers

405 Measuring Coalition Functioning: Refining Constructs Using Confirmatory Factor Analysis

Louis Brown, Mark Feinberg, Mark Greenberg

406 Early Team Functioning Predicts Later Sustainability Funding for PROSPER Community Prevention Teams

Lesley Johnson, Daniel Crowley, Melissa Lippold, Mark Feinberg, Mark Greenberg

407 The Effects of Fidelity of Implementation of the Pathways to Health Program on Obesity Risk Behaviors

Melissa Gunning, Nathaniel Riggs, Hee-Sung Shin, Mary Ann Pentz

408 Maximizing Data Use through Technical Assistance in Schools: Promising Prevention Practices

Joni Williams Splett, Melissa Maras*

409 Documenting Community-Wide Prevention Efforts in the Washington State SPF-SIG Project

Nicole Werner, Linda Becker

410 Sustainability strategies for maintaining skills, knowledge, and motivation of gatekeeper suicide prevention training

Annette Shtivelband, Lauren Rohn, Tyrone Reese, Peter Chen, Jeremy Martinez, Jarrod Hindman

411 Moving towards public health impact: What predicts sustainability of evidence-based programs?

Brittany Rhoades, Brian Bumbarger

412 Examination of Coalition Functioning in the Dissemination of Effective Prevention Practices to Communities

Valerie Shapiro, J. David Hawkins, Michael Arthur

413 CADCA's Annual Survey of Coalitions: A Promising Evaluation and Research Tool to Inform Prevention Science

Andrea de la Flor, Evelyn Yang

414 Stages & processes of change for smoking cessation in urban female adolescents

*Cerissa Blaney**, Colleen Redding, Joseph Rossi, James Prochaska, Wayne Velicer, Kay Armstrong, Donna Coviello

415 Evaluation of a teacher-administered screening tool to assess risks of substance use and criminal offense

Marie-Helene Veronneau, Thomas Dishion

416 HIV Knowledge Deficits and Sexual Health Behaviors of Low-Income African-American Adolescents

Rebecca Swenson, Christie Rizzo, Larry Brown, David Barker, Peter Vanable, Michael Carey, Robert Valois, Ralph DiClemente, Daniel Romer

417 Effects of Implementation Characteristics on Targeted Parenting Outcomes of a Selective Prevention Effort for Middle School Students

Allison Dymnicki, David Henry, Patrick Tolan

418 Implementation Fidelity and Parent-Child Communication Outcomes in Family-Based Alcohol Prevention Programs: The Mediating Role of Program Satisfaction

Hilary Byrnes, Brenda Miller, Annette Aalborg, Ana Plasencia

419 Campus Corps: Service-Learning College Students Mentoring At-Risk Youth

Toni Zimmerman, Shelley Haddock, Jen Krafchick, Lindsey Weiler, Tracy Richards, Lise Youngblade, Ernie Chavez, Clayton Hurd

TECHNOLOGY DEMONSTRATIONS

Implementation Science

420 A Web-Based Repository of Measures Pertaining to Early Adolescent Development

Julie Rusby, Michael Biglan, Ryann Crowley

421 Using Technology to Engage Stakeholders in Evidence-based Prevention Intervention Implementation

Meg Small, Vittal Prabhu, Celene Domitrovich, Brian Bumbarger, Sandee Kyler, Brittany Rhoades

422 Underage Drinking Town Hall Meetings Round 3: Learning and Growing

Gwyndolyn Ensley

9:30 pm - 12:00 am

(3-045) ECPN SOCIAL HOUR

Hotel Lobby Bar

Chair: *Ty Ridenour*

9:30 pm - 12:00 am

(3-046) 9TH ANNUAL MINORITY SCHOLARSHIP DANCE-MOTHERS OF PREVENTION

Mt. Sopris

Join your friends and colleagues and dance to the music of the Mothers of Prevention. Gil Botvin, Brian Bumbarger, Celene Domitrovich, Jim Ernshoff, John Graham, David Hawkins, John Jimenez, Randy Swaim

Friday, June 4, 2010

7:15 am - 11:00 am

(4-001) REGISTRATION

Imperial Ballroom Foyer

7:15 am - 8:30 am

(4-002) CONTINENTAL BREAKFAST

Imperial Ballroom Foyer

7:30 am - 8:25 am

(4-003) ECPN STEERING COMMITTEE & NETWORKING BREAKFAST

Maroon Peak

Chair: *Ty Ridenour*

8:30 am - 10:00 am

(4-004) THE PROMISES AND PITFALLS OF USING TECHNOLOGY IN HIV PREVENTION INTERVENTIONS WITH YOUTH,
Organized Paper Symposia

Efficacy Trials

Grand Ballroom

Chair: *Susannah Allison*

Discussant: *Jacqueline Lloyd*

423 The Promises and Pitfalls of Using Technology in HIV Prevention Interventions with Youth

Susannah Allison

424 Adaptation and Implementation of an Efficacious HIV Prevention Intervention for Computers

Marguerita Lightfoot, Victor LaCour

425 Testing Negative and Staying Negative: Internet-Based HIV Prevention Program for Ethnically-Diverse Young MSM

Brian Mustanski, Robert Garofalo, Steve Garcia, Beau Gratzner, Mike Hinds, Colleen Monohan

426 Hand Held Computers: Student Survey Technology

Edward Smith, Linda Caldwell, Lisa Wegner, Cathy Mathews, Mary Lai

8:30 am - 10:00 am

(4-005) RCT ADDRESSING THE EFFICACY OF SOCIALLY OPTIMIZED LEARNING IN VIRTUAL ENVIRONMENTS (SOLVE): REAL RISK REDUCTION FOR MSM, Organized Paper Symposia

Efficacy Trials

Mt. Sopris

Chair: *Lynn Carol Miller*

Discussant: *Leslie Clark*

427 RCT addressing the efficacy of Socially Optimized Learning in Virtual Environments (SOLVE): Real Risk Reduction for MSM

Lynn Carol Miller, John Christensen, Charisse Corsbie-Massay, Stephen Read, Leslie Clark

428 A SOLVE prevention intervention using interactive video (IAV): Evidence of immediate enhancement of MSM's condom use and methamphetamine avoidance intentions, beliefs, and self-efficacy

Paul Robert Appleby, Lynn Carol Miller, John Christensen

429 What's to be ashamed? Reducing self-conscious negative affect predicts future decreases in sexual risk-taking

John Christensen, Lynn Carol Miller, Paul Robert Appleby

430 Results of a SOLVE-IAV efficacy trial: Evidence of reduction in insertive and receptive UAI over 3-months for younger (18-24) but not older (25-30) MSM compared to a wait-list control group

Lynn Carol Miller, John Christensen, Paul Robert Appleby, Stephen Read, Charisse Corsbie-Massay

8:30 am - 10:00 am**(4-006) THE INTERSECTION BETWEEN SUBSTANCE USE PREVENTION AND WORK SETTINGS: RESEARCH TO INFORM WORK-FOCUSED PREVENTION FOR ADOLESCENTS AND EMERGING ADULTS**, Organized Paper Symposia

Epidemiology

*Mt. Elbert*Co-Chairs: *Aleta Meyer and Marcia Scott*Discussant: *Joel Bennett***431 The Intersection between Substance Use Prevention and Work Settings: Research to Inform Work-focused Prevention for Adolescents and Emerging Adults***Aleta Meyer, Marcia Scott, Joel Bennett, Robert Kaestner, Michael Pergamit, Samuel Bacharach***432 Multiple Pathways Connecting to School and Work***Michael Pergamit***433 How Work-Site Etiological Research Presents New Opportunities for Prevention***Samuel Bacharach, Peter Bamberger***434 Youth Employment and Substance Use***Robert Kaestner, Anthony LoSasso***8:30 am - 10:00 am****(4-007) APPLYING THE COMPLEXITIES OF MEXICAN AMERICAN CULTURAL VALUES AND SOCIALIZATION TO THE DESIGN OF CULTURALLY APPROPRIATE PREVENTIVE INTERVENTIONS**, Organized Paper Symposia

Context & Prevention

*Mt. Evans A*Chair: *Cady Berkel*Discussant: *Felipe Castro***435 Applying the complexities of Mexican American cultural values and socialization to the design of culturally appropriate preventive interventions***Cady Berkel, Felipe Castro***436 Early profiles of positive roles and later problem behaviors in Latino youth***Kathryn Lynn Modecki, Daria Boeninger, Nancy Gonzales, Larry Dumka***437 Gender role attitudes and the relationship between fathers' cultural socialization and adolescents' ethnic pride in Mexican American families***Cady Berkel, George Knight, Jessie Wong, Nancy Gonzales, Delia Saenz, Mark Roosa***438 East CAN Merge with West: How to integrate Mexican American Values, Beliefs, and Norms into a Culturally-grounded Substance Abuse Prevention Intervention for Youth***Leslie Reeves, Patricia Dustman, Mary Harthun, Flavio Marsiglia, Michael Hecht***8:30 am - 10:00 am****(4-008) ANALYSES FOR EVALUATING A COMPREHENSIVE COMMUNITY INITIATIVE: THE WEED AND SEED STRATEGY**, Organized Paper Symposia

Implementation Science

*Mt. Evans B*Chair: *James Trudeau*Discussant: *Denise Viera***439 Analyses for Evaluating a Comprehensive Community Initiative: The Weed and Seed Strategy***James Trudeau, Kelle Barrick, Jon Blitstein, Jason Williams, Denise Viera***440 Overview of Weed and Seed Strategy and Evaluation***James Trudeau***441 Traditional Analysis of Logic Model Components in Evaluating a Comprehensive Community Initiative***Kelle Barrick, Jon Blitstein, James Trudeau***442 Structural Equation Modeling in Evaluating a Comprehensive Community Initiative***Jason Williams, Jon Blitstein, James Trudeau***8:30 am - 10:00 am****(4-009) THE PROMISE NEIGHBORHOOD RESEARCH CONSORTIUM**, Roundtable

System Science Perspectives

*Longs Peak*Chair: *Anthony Biglan*

443 The Promise Neighborhood Research Consortium

Brian Flay, Kelli Komro, Ronald Prinz, Laura Backen Jones, Dennis Embry

8:30 am - 10:00 am

(4-010) TYPE 2 TRANSLATION RESEARCH: A MOVE TOWARD CLARITY, Roundtable

Implementation Science

Pikes Peak

Chair: *Belinda Sims*

444 Type 2 Translation Research: A Move toward Clarity

Belinda Sims, Mark Greenberg, Melinda Pankratz, William Hansen, Jeanne Poduska

8:30 am - 10:00 am

(4-011) STUDIES IN EMOTION REGULATION AS A VEHICLE FOR INNOVATIONS IN THE ANALYSIS OF BEHAVIOR OBSERVATIONS, Organized Paper Symposia

Innovative Methods & Statistics

Grays Peak

Chair: *Katherine Masyn; Lenna Ontai*

Discussant: *Timothy Ozechowski*

445 Studies in Emotion Regulation as a Vehicle for Innovations in the Analysis of Behavior Observations

Timothy Ozechowski, Lenna Ontai

446 Observed Child Emotion Regulation: A Case of Creating and Applying Analytic Models and Tools to Fit a Complex Research Question

James Snyder

447 The Indirect Effects of Maternal Mood States on Child Emotion Regulation During Family Interaction

Getachew Dagne, James Snyder

448 A Hybrid SEM Multilevel Competing-Risk Cox Regression Model for the Analysis of Behavior Observations of Child Emotion Regulation and the Effects of Maternal Intrusiveness

Katherine Masyn, Kim Pasene, Lenna Ontai

8:30 am - 10:00 am

(4-012) A SOCIAL-ECOLOGICAL APPROACH TO BULLYING PREVENTION: THE CONSIDERATION OF INDIVIDUAL, PEER- AND SCHOOL-LEVEL FACTORS, Organized Paper Symposia

Etiology

Maroon Peak

Chair: *Melissa Holt*

Discussant: *Jeffrey Sprague*

449 A Social-Ecological Approach to Bullying Prevention: The Consideration of Individual, Peer- and School-Level Factors

Eric Brown, Dorothy Espelage, Harold Green, Susan Swearer, Rhonda Turner, Brian Smith, Kevin Haggerty, Melissa Holt, Jeffrey Sprague

450 Willingness to Intervene in Bullying Episodes Among Middle School Students: Individual and Peer-Group Influences

Dorothy Espelage, Harold Green

451 Impact of Steps to Respect: A Bullying Prevention Program on School Staff Perceptions of the School Environment

Eric Brown, Sabina Low, Brian Smith, Kevin Haggerty

452 Moral Disengagement as a Predictor of Bullying and Aggression: Are there Gender Differences?

Rhonda Turner, Susan Swearer

8:30 am - 10:00 am

(4-013) MODERATION OF EFFECTS IN PREVENTIVE INTERVENTIONS THAT TARGET ADOLESCENT YOUTH, Organized Paper Symposia

Effectiveness Trials

Mt. Columbia

Co-Chair: *Celene Domitrovich and Michael Cleveland*

Discussant: *Stephanie Jones*

453 Moderation of Effects in Preventive Interventions that Target Adolescent Youth

Celene Domitrovich, Michael Cleveland, Stephanie Jones

454 Moderation of Intervention Effects after 1 Year Exposure to the Facing History and Ourselves Curriculum

Michael Cleveland, Celene Domitrovich, Amy Syvertsen, Julia Moore, Linda Jacobson, Mark Greenberg

455 Testing the Universality of the Effectiveness of the Communities That Care Prevention System for Preventing Adolescent Drug Use and Delinquency

Sabrina Oesterle, J. David Hawkins, Abigail Fagan, Robert Abbott, Richard Catalano

456 Risk Moderation of Universal Preventive Intervention Effects on Long-Term Marijuana Use Across Three Prevention Trials

Lisa Schainker, Richard Spoth, Linda Trudeau, Cleve Redmond, Chungyeol Shin

8:30 am - 10:00 am

(4-014) GETTING THEIR ATTENTION: RECRUITING AND ENGAGING PARENTS IN BEHAVIOR CHANGE PROGRAMS, Grouped

Individual Papers

Effectiveness Trials

Mt. Oxford

Chair: *Sarah DeGue*

457 First Year Evaluation of Project HOME (Healthcare Options Made Easy), an intervention to help Head Start families understand and better utilize the healthcare system

Karen Barrett, Lise Youngblade, Francisco Palermo, Ann Bruce, Jonna Pearson, Elizabeth Zimmerman, Jamie Wensink, Laura Hahn, Melanie Kelsea, April Thomas, Lydia Linke, Kimberly Miller, Hannah Grant-Boyajian

458 Treatment fidelity as a predictor of behaviour change in parents attending group-based parent training

Catrin Eames

459 Strategies for targeting and recruiting families to randomised controlled trials of evidenced based parent programmes in community settings

Tracey Bywater, Nick Axford

10:00 am - 10:15 am

(4-014A) MORNING BREAK

Imperial Ballroom Foyer

10:15 am - 11:45 am

(4-015) PLENARY SESSION III

Grand Ballroom

Brain Research in the Context of Adolescent Development Research: Implications for Prevention Policy Aimed at Reducing High-Risk Behaviors

Chair: *Robert Freeman, NIAAA*

Presenters: *Robert Zucker, University of Michigan, Ronald Dahl, University of Pittsburgh, Susan Ames, Claremont Graduate University*

11:45 am - 12:45 pm

(4-016) LUNCH ON YOUR OWN

1:00 pm - 2:30 pm

(4-017) PLENARY SESSION III Roundtable

Grand Ballroom

Brain Research in the Context of Adolescent Development Research: Implications for Prevention Policy Aimed at Reducing High-Risk Behaviors

Chair: *Robert Freeman, NIAAA*

Presenters: *Robert Zucker, University of Michigan, Ronald Dahl, University of Pittsburgh, Susan Ames, Claremont Graduate University*

1:00 pm - 2:30 pm

(4-018) THE IMPACT OF THREE PRESCHOOL INTERVENTIONS ON CHILDREN'S EARLY SOCIAL-EMOTIONAL DEVELOPMENT, Organized Paper Symposia

Efficacy Trials

Mt. Sopris

Chair: *Brittany Rhoades; Celene Domitrovich*

Discussant: *Rebecca Cortes*

- 460 The Impact of Three Preschool Interventions on Children's Early Social-Emotional Development**
Rebecca Cortes, Celene Domitrovich
- 461 Teaching Self-Control in Early Childhood: Classroom-Based Promotion of Friendships, Executive Functioning, and Positive Social Expectations**
Jennifer Betkowski, Dave Schultz
- 462 Promoting Young Children's Social Competence through the Preschool PATHS Curriculum and MyTeachingPartner Professional Development Resources**
Bridget Hamre, Robert Pianta, Andrew Mashburn, Jason Downer
- 463 The Number of Years in Preschool and Growth in Social Emotional Competence: Using Propensity Scores to Control for Selection Bias**
Julia Moore, Brittany Rhoades, Michael Cleveland, Celene Domitrovich, Mark Greenberg

1:00 pm - 2:30 pm

- (4-019) STRESS AND HPA REGULATION ACROSS DEVELOPMENT,**
Organized Paper Symposium
Culture, Context, Cells & Prevention
Mt. Elbert
Chair: *Kevin Haggerty*
Discussant: *Elizabeth Shirtcliff*
- 464 Stress and HPA Regulation Across Development**
Martie Skinner, Kevin Haggerty, Elizabeth Shirtcliff
- 465 Cortisol activity in parentally-bereaved youth: Long-term effects of stress exposure, resilience resources, and participation in the Family Bereavement Program**
Linda Luecken, Melissa Hagan, Jenna Gress, Irwin Sandler
- 466 Race differences in diurnal patterns of cortisol in early adulthood**
Martie Skinner, Elizabeth Shirtcliff, Kevin Haggerty, Rico Catalano
- 467 Alterations in Patterns of Diurnal HPA Axis Activity among Maltreated Foster Children: Integrating Models of Prenatal Stress and Early Adversity**
Philip Fisher, Jacqueline Bruce, Katherine Pears

1:00 pm - 2:30 pm

- (4-020) ACTING ON BEHALF OF PEERS: THE ROLE OF INDIVIDUAL, FAMILY, AND SCHOOL CHARACTERISTICS,** Organized Paper Symposium
Context & Prevention
Mt. Evans A
Chair: *Amy Syvertsen*
Discussant: *Karen Bierman*
- 468 Acting on Behalf of Peers: The Role of Individual, Family, and School Characteristics**
Karen Bierman
- 469 Addressing High School Bullying: Peer Bystanders Who Are Willing to Help**
Shelley Hymel, Jessica Trach, Lina Darwich
- 470 Communicating Social Responsibility: Linking Family Value Socialization to Adolescents' Substance Use and Peer Intervention**
Laura Wray-Lake, Constance Flanagan
- 471 Schools as Civic Settings: Profiles of Early Adolescents' Responses to Bullying and Discrimination**
Amy Syvertsen, Michael Cleveland, Celene Domitrovich
- (4-021) WEB-BASED APPLICATIONS TO SUPPORT RANDOMIZED TRIALS AND DISSEMINATION OF PREVENTION PROGRAMS: EMERGING DIRECTIONS,** Organized Paper Symposia
Implementation Science
Mt. Evans B
Chair: *Peter Wyman*
- 472 Web-based applications to support randomized trials and dissemination of prevention programs: Emerging directions**
Peter Wyman, Jeanne Poduska, Catherine Bradshaw, Irwin Sandler
- 473 A web-based system to support randomized field trials and day-to-day implementation of the good behavior game**
Jeanne Poduska, Anja Kurki, Sarah Bardack, Tarek Anandan

1:00 pm - 2:30 pm

474 Using Web-based Systems to Inform Data-based Decision-Making in Schools: An Example of Bullying and Violence Prevention

Catherine Bradshaw

475 Web-based applications in an RCT of a youth suicide prevention program in rural communities

Peter Wyman, Hendricks Brown, Mark LoMurray, Mariya Petrova, Erin Walsh

1:00 pm - 2:30 pm

(4-022) INTERNATIONAL, COMMUNITY-BASED, PRIMARY PREVENTION RESEARCH - THE HONG KONG FAMILY PROJECT, Organized Paper Symposia

International Prevention Research

Longs Peak

Chair: *Tai-Hing Lam*

476 International, Community-Based, Primary Prevention Research - The Hong Kong Family Project

Tai-Hing Lam

477 The Premise and Development of the Intervention Models - The Hong Kong Family Project

Xiaonan Yu, Malia Hirschmann

478 Developing Community-Based Preventive Interventions to Support the Family in Hong Kong

Cecilia Fabrizio

479 Developing Culturally-Sensitive Interventions - The Hong Kong Family Project

Sunita Stewart

1:00 pm - 2:30 pm

(4-023) THE EFFICACY OF SUBSTANCE USE INTERVENTIONS TARGETED AT ELEMENTARY STUDENTS, Grouped Individual Papers

Efficacy Trials

Pikes Peak

Chair: *Aria Crump*

480 HIV Prevention for Adolescents in Therapeutic Schools: Results from a RCT

Larry Brown, Celia Lescano, Chris Houck, Nicole Nugent, April Peters

481 Efficacy of a Family-Based HIV Prevention Intervention for Latino Youth: Latino STYLE

Celia Lescano, Larry Brown

482 Preliminary Findings from a Peer-led Safer Sex Intervention for College Students

Kristina Wilson, Megan O'Grady, Jennifer Harman

1:00 pm - 2:30 pm

(4-024) INNOVATIVE METHODS FOR ANALYZING SUBGROUP DIFFERENCES IN PREVENTION AND INTERVENTION RESEARCH, Organized Paper Symposia

Innovative Methods & Statistics

Grays Peak

Chair: *Lauren Supplee*

Discussant: *Hendricks Brown*

483 Innovative methods for analyzing subgroup differences in prevention and intervention research

Lauren Supplee, Hendricks Brown

484 How Mediation Analyses can Inform Subgroup Analyses

David MacKinnon, Amanda Fairchild

485 Subgroup Analysis from a Latent Variable Perspective: Identifying Latent Classes of Children at Risk for Adverse Outcomes

Stephanie Lanza, Brittany Rhoades

1:00 pm - 2:30 pm

(4-025) MENTAL HEALTH AND RISK FOR INTIMATE PARTNER VIOLENCE PERPETRATION: FINDINGS AND PREVENTION IMPLICATIONS, Organized Paper Symposia

Etiology

Maroon Peak

Chair: *Greta Massetti*

486 Mental Health and Risk for Intimate Partner Violence Perpetration: Findings and Prevention Implications
Greta Massetti

487 Attention-Deficit/Hyperactivity Disorder, Conduct Disorder, and Young Adult Intimate Partner Violence
Greta Massetti, Xiangming Fang, Lijing Ouyang, Scott Grosse, James Mercy

488 An Examination of the Relationships among Hyperarousal, Alcohol Use, and Intimate Partner Violence at the Daily Level
Rita Samper, Christopher Eckhardt

489 Hazardous Drinking and Intimate Partner Violence in the Military: Understanding Protective Factors
Heather Foran, Amy Smith Slep, Richard Heyman, Jeffery Snarr

490 Posttraumatic Stress Disorder and Sexual and Non-Sexual Intimate Partner Violence among Veterans
Andra Teten

1:00 pm - 2:30 pm

(4-026) MODERATORS OF THE EFFECTIVENESS OF RELATIONSHIP EDUCATION FOR THE PREVENTION OF MARITAL DISTRESS, Organized Paper Symposia

Effectiveness Trials

Mt. Columbia

Chair: *Galena Rhoades*

Discussant: *Richard Heyman*

491 Moderators of the Effectiveness of Relationship Education for the Prevention of Marital Distress
Galena Rhoades, Richard Heyman

492 Premarital Physical Aggression and the Effectiveness of Relationship Education
Galena Rhoades, Gretchen Kelmer, Scott Stanley, Howard Markman

493 The Role of Leaders' Working Alliance in Premarital Education
Jesse Owen, Galena Rhoades, Scott Stanley, Howard Markman

494 Infidelity as Moderator of PREP Effects in the Army
Elizabeth Allen, Scott Stanley, Howard Markman, Galena Rhoades

1:00 pm - 2:30 pm

(4-027) DELIVERY OF MENTAL HEALTH AND DRUG ABUSE PREVENTION SERVICES IN COMMUNITIES: FINDINGS FROM THE SAMHSA STATE INCENTIVE GRANT PROGRAMS, Grouped Individual Papers

Implementation Science

Mt. Oxford

Chair: *Jacqueline Lloyd*

495 Effects of the Strategic Prevention Framework State Incentives Grant (SPFSIG) on State Prevention Infrastructure
Robert Orwin, Alan Stein-Seroussi, Doug Piper, Jessica Edwards, Ann Landy

496 Implementing Environmental Strategies in Local Communities: Lessons Learned from 3 States
Phillip Graham

497 Demonstrating High-Fidelity Wraparound and System of Care Enhancement: The Connecticut Family & Community Partnership Wraparound Initiative
Robert Franks, Jennifer Schroeder

2:30 pm - 2:45 pm

(4-028) AFTERNOON BREAK

Imperial Ballroom Foyer

2:45 pm - 4:15 pm

(4-030) USING LABORATORY RESEARCH TO DESIGN AN EFFECTIVE PUBLIC HEALTH MEDIA CAMPAIGN, Organized Paper Symposia

Efficacy Trials

Mt. Sopris

Chair: *Rick Zimmerman*

498 Using Laboratory Research to Design an Effective Public Health Media Campaign

Rick Zimmerman, Pamela Cupp, William Crano

499 Anti-marijuana Ad Evaluations and Usage

William Crano, Jason Siegel, Eusebio Alvaro, Vanessa Hemovich, Andrew Lac

500 Relationship of individual differences and level of threat and framing of messages to ratings of condom PSAs and impact of PSAs on attitudes

Pamela Cupp, Rick Zimmerman, Robert Donohew, Melissa Harris, Bailey Grossl, Carla Gray

501 Enhancing the Use of Perceived Effectiveness for Development of Successful Public Health Media Campaigns

James Dillard

2:45 pm - 4:15 pm

(4-031) CELLS TO SOCIETY: FILLING THE GAP BETWEEN NEURAL AND PREVENTION SCIENCES, Organized Paper Symposia

Culture, Context, Cells & Prevention

Mt. Elbert

Chair: *Michael Bardo*

Discussant: *Elizabeth Ginexi*

502 Cells to Society: Filling the Gap Between Neural and Prevention Sciences

Michael Bardo

503 Translating the neural signature of sensation seeking into drug abuse prevention

Jane Joseph, Seth Noar, R. Lewis Donohew, Elizabeth Lorch, Chelsie Benca

504 Juvenile antisocial substance dependence: What brain imaging can tell prevention practitioners

Thomas Crowley, Manish Dalwani, Susan Mikulich-Gilbertson, Kristen Raymond, Marie Banich

505 Genetic and environmental factors underlying the development of substance use disorders and associated high risk behaviors

Susan Young

2:45 pm - 4:15 pm

(4-032) SEX, DRUGS, AND DEVIANCE: UNDERSTANDING PREVENTION IN SOUTH AFRICA, Organized Paper Symposia

International Prevention Research

Mt. Evans A

Chair: *Edward Smith*

Discussant: *Mary Jane Rotheram-Borus*

506 Sex, drugs, and deviance: Understanding prevention in South Africa

Mary Jane Rotheram-Borus

507 Impact of HealthWise South Africa on Polydrug Use and High-Risk Sexual Behavior: Cohort and Gender Differences

Melissa Tibbits, Edward Smith, Linda Caldwell, Alan Flisher, John Graham

508 Linking General Life Skills, Adolescent Substance Use, and Delinquency in South Africa

Mary Lai, Edward Smith, John Graham, Stephanie Bradley, Linda Caldwell, Lisa Wegner, Alan Flisher, Tania Vergnani, Cathy Mathews

509 Sexual coercion-risk in South African adolescent male youth: Risk correlates and HealthWise program impacts

Stephanie Bradley, Edward Smith, Mary Lai, John Graham, Linda Caldwell

2:45 pm - 4:15 pm

(4-033) SOCIAL COSTS OF SUBSTANCE ABUSE AND BENEFITS OF PREVENTION, Organized Paper Symposia

Implementation Science

Mt. Evans B

Chair: *Beverlie Fallik*

510 Social Costs of Substance Abuse and Benefits of Prevention

Beverlie Fallik

511 The Economic Costs of Drug Abuse in the United States

John Carnevale

512 Return on Investment in Substance Abuse Prevention

Ted Miller

513 Projecting the Number of Substance Dependent Individuals and Costs to Society of Substance Abuse

Allison Minugh, Nicoletta Lomuto, Susan Janke, Nilufer Isvan

2:45 pm - 4:15 pm

(4-034) AGGRESSION AND VICTIMIZATION, Grouped Individual Papers

Etiology

Longs Peak

Chair: *Tamara Haegerich*

514 Examining the Stability in Bullying and Victimization from Middle Childhood to Early Adolescence Using Latent Variable Modeling

Anne Powell, Daniel Brisson, Kimberly Bender, Jeffrey Jensen, Shandra Forrest-Bank

515 Unique Aggression Profiles And Their Relation To Maladjustment In A Secure Facility

Asha Goldweber, Elizabeth Cauffman

516 School Connectedness and Gender as Moderators of the Influence of Peer Victimization on Early Adolescent Behavioral and Emotional Problems

Keryn Pasch, Alexandra Loukas

2:45 pm - 4:15 pm

(4-035) USING PARENT PERSPECTIVES TO ENHANCE PREVENTION FOR VICTIMIZED YOUTHS, Organized Paper Symposia

Etiology

Pikes Peak

Chair: *Kimberly Goodman; Sarah Lindstrom Johnson*

Discussant: *Sharon Lambert*

517 Using Parent Perspectives to Enhance Prevention for Victimized Youths

Kimberly Goodman, Sarah Lindstrom Johnson, Sharon Lambert

518 Parent-Adolescent Discrepancies in Ratings of Youth Victimization: Associations with Psychological Adjustment

Kimberly Goodman

519 The Influence of Neighborhood Violence on Parental Messages about Violence

Sarah Lindstrom Johnson, Nadine Finigan, Tina Cheng, Catherine Bradshaw, Denise Haynie

520 The Role of Parents in Preventing School Bullying

Tracy Waasdorp, Catherine Bradshaw, Jeffrey Duong

2:45 pm - 4:15 pm

(4-036) NETWORK AND MULTILEVEL PERSPECTIVES ON YOUTH SUICIDE PREVENTION, Organized Paper Symposia

Innovative Methods & Statistics

Grays Peak

Chair: *Hendricks Brown; Peter Wyman*

521 Network and Multilevel Perspectives on Youth Suicide Prevention

Hendricks Brown, Peter Wyman

522 Examining Intervention Effects Across Time and Context in a Gatekeeper Training Program for Preventing Youth Suicide

Hendricks Brown, Peter Wyman, Jing Guo

523 FReDS: A novel adaptation of a peer-driven sampling method for online social media

Vincent Silenzio

524 Assessing and testing student population norms in an RCT of youth suicide prevention

Peter Wyman, Hendricks Brown, Mark LoMurray, Karen Schmelk-Cone

2:45 pm - 4:15 pm

(4-037) INTERDISCIPLINARY APPROACHES AND TOOLS FOR OBJECTIVE MEASUREMENT OF PSYCHOSOCIAL STRESS AND SUBSTANCE USE, Organized Paper Symposia

Etiology

Maroon Peak

Chair: *Marcia Scott*

Discussant: *Brenda Miller*

525 Interdisciplinary Approaches and Tools for Objective Measurement of Psychosocial Stress and Substance Use

Marcia Scott, Brenda Miller

526 The Roles of Circadian Entrainment and Sleep for Psychosocial Stress

Mark Rea, Mariana Figueiro

527 Insights on Spatial and Temporal Patterns of Drug Use in an Inner City using EMA

Kenzie Preston, David Epstein

528 Integration of Novel Methods to Assess Effects of Stress and Alcohol Use

Mustafa alAbsi, Santosh Kumar, Emre Ertin, Kathryn Feuvrel, Nancy Dold, Susan Kuldaneck, Satish Kedia, George Relyea, Marcia Scott, Manju Venugopal, Ward Kenneth, Larry Wittmers

2:45 pm - 4:15 pm

(4-038) USING COGNITIVE DISSONANCE TO REDUCE ATTITUDINAL RISK FOR EATING DISORDERS, Organized Paper Symposia

Effectiveness Trials

Mt. Columbia

Chair: *Eric Stice*

Discussant: *Marisol Perez; Carolyn Becker*

529 Using Cognitive Dissonance to Reduce Attitudinal Risk for Eating Disorders

Eric Stice, Paul Rohde, Whitney McMillan, Jeff Gau, Heather Shaw, Marisol Perez, Ana Ramirez, Carolyn Becker, Marc Powell, Leda McDaniel, Stephanie Bull

530 Dissemination of a Cognitive Dissonance Based Prevention Program for Eating Disorders

Marisol Perez, Ana Ramirez, Carolyn Becker

531 Peer-Led Eating Disorders Prevention in Female Athletes: Cognitive Dissonance versus Healthy Weight

Carolyn Becker, Marc Powell, Leda McDaniel, Stephanie Bull

532 Dissonance-Based Eating Disorder Prevention: Results from an Effectiveness Trial and a Mechanisms of Action Trial

Eric Stice, Paul Rohde, Whitney McMillan, Jeff Gau, Heather Shaw

2:45 pm - 4:15 pm

(4-039) COMMUNITY-BASED PARTICIPATORY RESEARCH (CBPR) TO ENSURE HIGH QUALITY AND CULTURALLY APPROPRIATE PROGRAM IMPLEMENTATION, Grouped Individual Papers

Implementation Science

Mt. Oxford

Chair: *Cady Berkel*

533 Unpacking American Indian Intracultural Elements to Assure Authenticity in a Substance Abuse Prevention Curriculum Adaptation

Leslie Reeves, Patricia Dustman, Mary Harthun, Eddie Brown, Stephen Kulis

534 The Value of Community Partners in Effectiveness Research

Alice Hausman, Stephen Leff, Nicole Vaughn, Nicole Thomas, Terry Guerra, Kim Wilson, Melanie Freedman, Maurice Stewart, Joel Fein

535 Partners in Research: Engaging Immigrants and Refugees in Community Based Participatory Action Research

Michele Allen, Kathleen Call, Shannon Pergament, Kathleen Culhane-Pera

2:45 pm – 4:15 pm

(4-040) Prosociality: An Evolutionary Perspective, Invited
Symposia

Grand Ballroom

Chair: *Anthony Biglan*

Discussant: *Dennis Embry*

Presenters: *David Sloan Wilson, Daniel O'Brien,
Martin Hankins*

4:30 pm - 5:15 pm

(4-040) CONFERENCE WRAP-UP, Meeting

Maroon Peak

Chair: *Linda Collins*

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**Society for Prevention Research
Conflict of Interest Disclosure Statement Policy
Abstract Submissions**

The goals of the Society for Prevention Research (SPR) are to promote the advancement of science-based prevention programs and policies through empirical research. The Society has a fundamental interest in ensuring that its educational programs, journal and service activities are consistent with these goals. The purpose of this Disclosure Statement is to ask prospective participants in SPR activities to consider whether or not they may have a conflict of interest, financial or otherwise, that may compromise or appear to compromise the objectivity or unbiased nature of their presentations.

Such conflicts of interest may arise out of commitments involving honoraria, consultant relationships, participation in a speakers' bureau, stock holdings or options, royalties, ownership of a company or patent, research contracts or grants, and, in some instances, being an official representative of another organization. (For more information go to SPR website at www.preventionresearch.org).

All individuals submitting abstracts for presentation at SPR sponsored meetings will complete the Conflict of Interest Disclosure Statement form. Any conflict of interest should also be announced verbally or in writing (slide, poster, etc.) during presentation at the SPR meeting or activity.

Conflict of Interest Disclosure Statement

- I have either no or inconsequential conflicts of interest.
- I have a conflict of interest, as described in the attached document.

Conflict of Interest Disclosure Statements for the 2010 Annual Meeting are available at the SPR registration desk.

This program is co-sponsored by the University of South Florida College of Medicine and the Society for Prevention Research.

The University of South Florida College of Medicine is approved by the American Psychological Association to offer continuing education for psychologists. The University of South Florida College of Medicine is offering this activity for up to 18 hours of continuing education credit. The University of South Florida College of Medicine maintains responsibility for the educational integrity of the program.

The program, the Society for Prevention Research 18th Annual Meeting, is being offered for 1.5 – 18 Continuing Education Credits.

The annual meeting, which is a series of plenary and symposia sessions, runs from 8:30 AM – 5:30 PM each day, Wednesday, June 2 through June 4, 2010. There are four sessions each day, which are each 1.5 hours in length.

The program objectives include the exchanging of new concepts, methods, and results from prevention research and related fields across public health arenas; enhancing the implementation of evidence-based prevention programs through linkage of prevention scientists with public and policy leaders; and providing opportunities for training and career building among investigators at all stages of career.

The fee for 1.5 – 18 CE Credits is \$100. No partial fees are accepted.

You must fill out your name on the CPE registrant list located at the registration desk.

Individual session evaluation forms must be completed and returned to the registration desk at the end of the annual meeting or mailed to USF Office of Continuing Professional Education for each session for which credit is applied. Participants must attend 100% of a session. Partial credit will not be awarded.

Certificates of attendance will be provided to participants after receipt and processing of the CE evaluations. Processing may take 6 – 8 weeks after the annual meeting.

These instructions apply to both organized paper symposia and sessions comprised of three individual papers.

Schedule

When you arrive on-site please check the printed program to confirm the schedule of your presentation time block and the room assignment. Refer to the author index to check your presentation(s). Try to be in your presentation room 10 minutes prior to the starting time. You are expected to be present for the entire 90 minute session.

AV Equipment

LCDs are standard in each meeting room. Presenters are asked to bring their own laptops or plan to share with another presenter. All other AV requests required advance approval.

Presentation Length

Each session is 90 minutes in length. In light of many members' requests, we are making a special effort to reserve time at the end of each session for discussion and participation from the audience members. This requires all presenters to keep within their time limit. We know the available time will seem too short to most of us, but please help your session chair by keeping to the time limit (15 - 20 minutes per presentation is typical.)

Conflict of Interest Statement

When applicable all presenters should include his/her conflict of interest disclosure statement in his/her presentation either orally or within the first slide.

Hand-out Materials

We request authors to have materials available in the form of a handout, even if only a one-page abstract; along with contact information to help participants follow up on presentations they heard at the meetings. Please make arrangements to bring any such handouts (50 - 75 copies) and/or be prepared to respond to e-mail requests after the conference.

Slide Instructions for Oral Presentations

Clarity of Power Point slides is vital for a successful scientific presentation. Following is a quick summary of the guidelines to make your slide presentation effective, successful, and enjoyable:

- Keep to one idea per slide
- Use phrases rather than complete sentences.
- Use only six to seven words per line, totaling no more than 40 characters.
- Use no more than 6 to 7 lines of printing per slide, with a blank line in between each, totally no more than 15 typewritten lines.
- Use at least an 18-point font size.
- Simplify graphics and do not over-reduce artwork.
- Use easy-to-read colors, such as white or yellow on a blue background.
- Double check your message: It should be easily grasped in 30 to 40 seconds.

Chair/moderator role for symposia and grouped paper sessions

Arrive a few minutes early to introduce yourself to the presenters if you are a volunteer moderator for a grouped paper session. Introduce the session with a few sentences on the significance of the panel topic. Introduce each presenter by name and talk title (unless they prefer to introduce themselves). Facilitate time keeping for each talk. Leave at least 10 minutes at the end of each paper for discussion. At the end of the talks, thank the speakers and open the floor up for questions, consider several starter questions to get a discussion going after the presentations. Facilitate the question time by helping the presenters to notice who has a question and keeping a track of who is next in line with a question if there are multiple hands raised etc.

The Poster Forums (organized poster symposia) provide for multiple, 4 to 8 (maximum), poster research presentations to be made on related themes and topics.

Poster Number

When you arrive on-site please check the printed program to confirm the schedule of your presentation time block and the room assignment. Refer to the author index to check your presentation(s). Numbered poster boards are installed in the assigned meeting rooms. Try to be in your presentation room 10 minutes prior to the starting time so that you can put up your poster. Presenters and the audience are expected to be present for the entire 90 minute session.

Poster Forum Format

Each presenter is asked to put up their poster before the start of the session. At the start of the session everyone is seated. The volunteer chair/moderator will ask each poster, presenting author to briefly (1 minute) introduce their topic. Next, for a 45-minute period the presenters are asked to stand by their posters and discuss their posters with the audience (individually or in small clusters just as in the evening poster sessions) as the audience circulates through the room. Then everyone is asked to return to their seats and the chair facilitates the discussion with the presenters and the audience.

Conflict of Interest Statement

When applicable all presenters should include his/her conflict of interest disclosure statement in his/her poster presentation.

Hand-out Materials

We request authors to have materials available in the form of a handout, even if only a one-page abstract; along with contact information to help participants follow up on presentations they heard at the meetings. Please make arrangements to bring handouts (25-50 copies) and/or be prepared to respond to e-mail requests after the conference.

Poster Board Size and Poster Preparation

The poster board is 4 feet high and 8 feet wide (including wood trim). You will be assigned one poster board for each abstract that has been accepted (not including the introductory abstract). Push pins are provided.

Prepare a title board for the top of your poster space indicating the title and author(s) of your presentation. Ideally, the lettering for the title should not be less than 1-1/2 inches high.

All illustrations should be made up beforehand. Remember that your illustrations must be read from several feet. Charts, drawings, and illustrations should be similar to those you would use in making slides, but more heavily drawn. Do not mount illustrations on heavy board because these may be difficult to keep in position on the poster boards. Printed material should contain heavy lettering approximately 1 inch high for minor titles (i.e. questions, methods, conclusions, etc.) and all printing should be a minimum of 1/2 inch. Do not use normal "typewriter-size" type. Keep illustrated and written material simple.

Do not allow yourself to be monopolized for an inordinate period of time by a single individual. .

Please remove your materials from the poster board immediately after the session. Materials left on the boards after the session will be discarded.

Please note that laptop presentations are NOT acceptable for Poster Forums.

The NIDA International poster session and two Evening Poster Sessions will be held during the 18th Annual Meeting (please check on-site program for room assignment.) A reception with light food and cash bars will run concurrently in the poster room. No other presentation sessions run concurrently with the poster sessions.

Poster Number

We will provide a printed “number” identifying each poster board. This number corresponds to the printed program abstract number. Refer to the author index in the printed program to check the corresponding program/poster number for your presentation(s.)

Conflict of Interest Statement

When applicable all presenters should include his/her conflict of interest disclosure statement in his/her poster presentation.

Hand-out Materials

We request authors to have materials available in the form of a handout, even if only a one-page abstract; along with contact information to help participants follow up on presentations at the meetings. Please make arrangements to bring handouts (25-50 copies) and/or be prepared to respond to e-mail requests after the conference.

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Do not allow yourself to be monopolized for an inordinate period of time by a single individual.

Please remove your materials from the poster board immediately after the session. Materials left on the boards after the session will be discarded.

Poster Presentation Schedule

Posters will be grouped by theme during each evening session. You will receive an e-mail with the date of your poster session(s).

NIDA International Session

Tuesday, June 1, 2010

Presentations: 5:45 pm to 7:45 pm

Poster Session 1

Wednesday, June 2, 2010

Presentations: 5:45 pm – 7:45 pm

Poster Session 2

Thursday, June 3, 2010

Presentations: 5:45 pm – 7:45 pm

Set-Up: 1:00 pm – 5:15 pm. Take-down: Poster materials must be removed within 15 minutes of the end of the sessions. Any materials left on the boards will be discarded.

At least one author should be in attendance at each poster during one hour of the two-hour poster session.

Odd numbered posters should be attended from 5:45 pm – 6:45 pm

Even numbered posters should be attended from 6:45 pm – 7:45 pm

The odd/even schedule provides the opportunity for poster presenters to also visit other poster presentations. Of course, you may attend your poster for the full two hours, if you would like.

Please note that power and tables for laptops are NOT available for poster presentations.



19th Annual Meeting Theme

Prevention Scientists Promoting Global Health: Emerging Visions for Today and Tomorrow

Hyatt Regency Washington, Washington, D.C.
May 31 – June 3, 2011
Pre-conference Workshops May 31, 2011

The Program Committee of the Society for Prevention Research (SPR) invites submissions for presentations within all content areas of public health, education, human services, criminal justice, and medical science. Relevant topics include, but are not limited to: reduction of health disparities, health promotion and disease prevention, maternal health, infant and child health, mental health/mental disorders, family conflict, substance abuse and addiction (alcohol, tobacco, illicit drugs), violence prevention, delinquency, crime, academic failure, dropping-out of school, obesity, cardiovascular disease, cancer, diabetes mellitus, HIV/AIDS and other sexually transmitted disease, unintended pregnancy, unemployment, productivity, occupation safety, auto crashes, unintended injury, poverty, welfare, and managed care, policy-based interventions, and international prevention. Issues related to global warming and effects of global warming on communities are a new focus.

Special Themes

International Prevention Research. We are actively engaged in promoting and encouraging international collaboration in prevention research. We encourage submissions that highlight prevention strategies employed in multiple countries as well as from international prevention scientists.

General Conference Themes: Advances across the Stages of the Prevention Research Cycle

Epidemiology. Basic behavioral science and epidemiology remain the basis of strong intervention and prevention programs. Submissions focused on describing risk factors within specific populations, especially those with a developmental and/or lifespan approach would be consistent with this theme.

**Watch for the Official “Call for Papers” in
August, 2010.**

All abstracts will be submitted on-line at
www.preventionresearch.org

The abstract site will open September 6, 2010

Deadline for Submission: October 25, 2010

Questions? jenniferlewis@preventionresearch.org

Etiology. Etiological and basic science research efforts generate knowledge that contributes to the development of future preventive efforts. Submissions examining biological and psychosocial factors in the development of risk, problems and healthy development could be submitted under this theme.

Efficacy Trials. Efficacy trials demonstrate the “proof of concept” with a specified population under conditions of high quality assurance and strong research designs (typically randomized controlled designs). Submissions reporting findings from efficacy trials are welcome and those that combine efficacy trial research with one of the special conference theme are particularly encouraged.

Effectiveness Trials. Effectiveness trials involve replicating an efficacious intervention under real world conditions in community settings.

Implementation Science. Dissemination, implementation, and operations research can help to bridge the gap between clinical research and everyday practice through a dynamic, transactional process between the public health community and researchers. Studies should advance the scientific understanding of dissemination strategies, adoption of interventions, intervention fidelity and adaptation, effectiveness, and sustainability of interventions – and outcomes are encouraged at the individual, provider, organizational, and system level. Operations research can inform how best to effectively and cost-effectively overcome the real-world challenges of implementation.

Innovative Methods and Statistics. “Cutting edge” studies and methodological analyses that address measurement, statistical and design challenges to prevention science, as well as the benefits offered by various innovative statistical methods are invited. Submissions describing strategies that have been designed or used to help overcome some of these unique challenges to prevention science are especially encouraged.

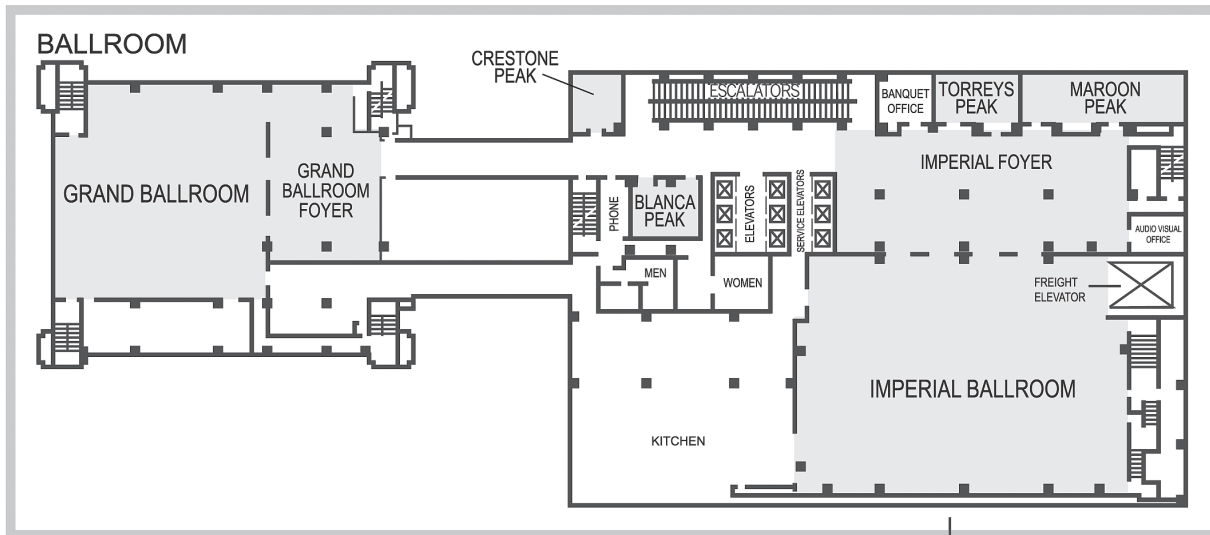
In addition to the themes described above, there are two special themes for the 2010 conference. These themes, although distinct from the special and general conference themes described above, may include research that may also fit into one of the other conference themes.

System Science Perspectives. Exploring the use of systems science approaches (e.g., computational modeling and simulation, network analysis, engineering control methods) to conceptualize prevention at the micro- or macro-levels of analyses. System science involves taking into account the big picture in all its complexity (i.e., a system view) while also taking into account the important relationships between components of a system and changes in the system over time.

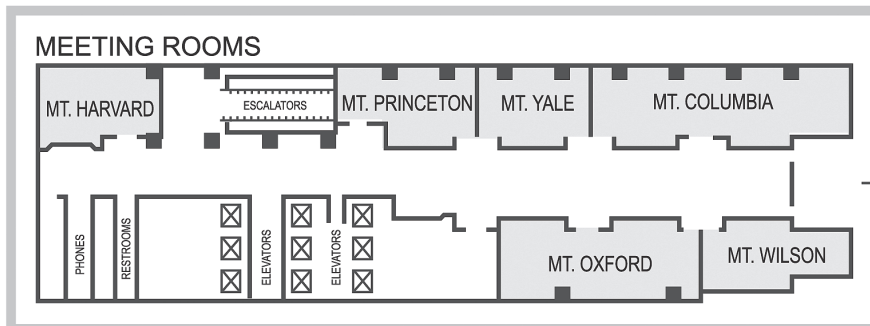
NIDA International SPR Poster Session. The National Institute on Drug Abuse is sponsoring an international poster session. Posters will highlight prevention and prevention-related research completed in international settings by international, domestic and cross-nation teams of researchers. A separate call for submissions to this international poster session will be issued.

GRAND HYATT DENVER

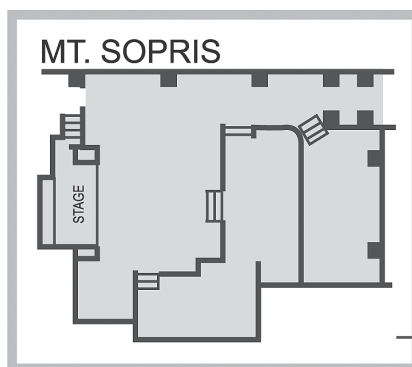
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LOBBY LEVEL MT. SOPRIS

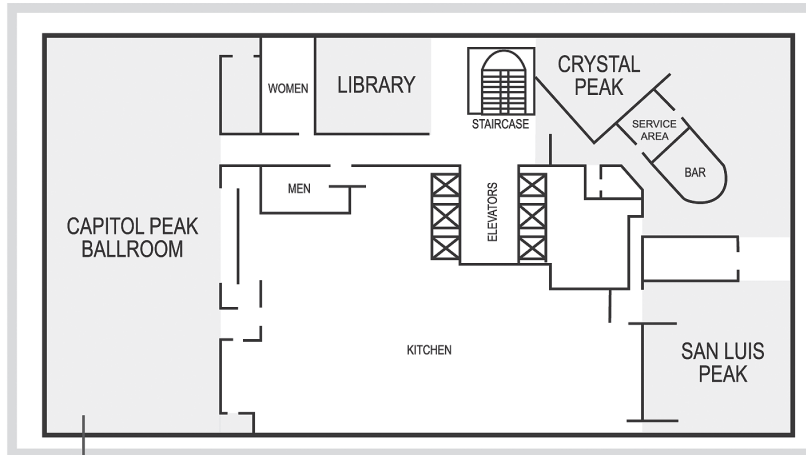


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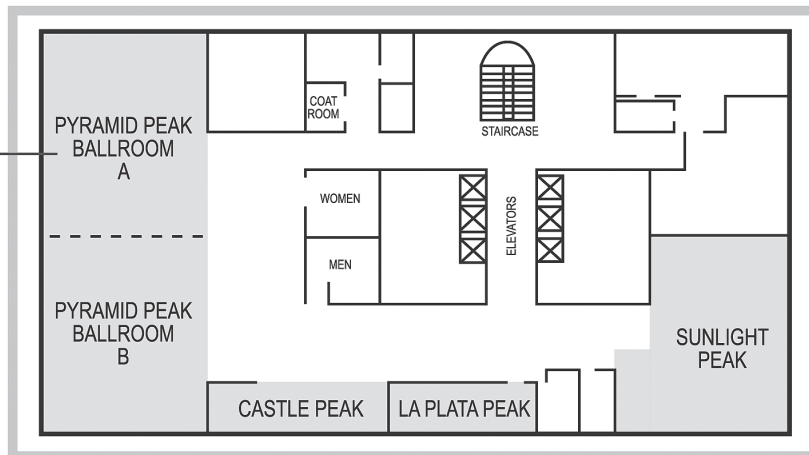


ATRIUM TOWER

38TH FLOOR – PINNACLE CLUB



37TH FLOOR – PINNACLE CLUB



SECOND FLOOR – GRAND HYATT CONFERENCE CENTER

