



# Meeting Schedule-At-A-Glance

## Wednesday, February 15, 2006

**8:00 a.m.-5:00 p.m.**  
**Pre-Meeting Conference**  
National Cooperative Drug Discovery Groups for Nicotine Addiction: A NIDA Synthesis Meeting  
Durango I

**12:00 noon-6:30 p.m.**  
**Registration**  
North Registration Desk

**1:00 p.m.-5:00 p.m.**  
**Pre-Meeting Conference**  
Addressing Tobacco in Healthcare National Forum – Translating Health Services into Practice and Policy  
Coronado Ballroom M

**5:30 p.m.-7:00 p.m.**  
**Welcome Reception**  
Coronado Ballroom L

## Thursday, February 16, 2006

**7:00 a.m.-5:30 p.m.**  
**Registration**  
North Registration Desk

**7:00 a.m.-9:00 p.m.**  
**Cyber Café**  
Coronado Ballroom Foyer – Near K/L Ballrooms

**9:00 a.m. -10:00 a.m.**  
**Welcome and Opening Remarks**  
**Keynote Address:**  
"What Use are Theories and Models in Understanding and Combating Nicotine Dependence?"  
*David Balfour, Ph.D., SRNT President*  
*Keynote Speaker: Robert West, Ph.D.*  
Coronado Ballroom K

**10:00 a.m.-10:30 a.m.**  
**Refreshment Break**  
Coronado Ballroom Foyer

**10:30 a.m.-12:00 noon**  
**Symposium 1**  
ALCOHOL-NICOTINE INTERACTIONS: ARE WOMEN LIKE MEN?  
Coronado Ballroom M

**10:30 a.m.-12:00 noon**  
**Symposium 2**  
CHRNA4 AND TOBACCO DEPENDENCE: FROM CELL CULTURE TO NICOTINE REPLACEMENT THERAPY OUTCOMES  
Coronado Ballroom Q

**10:30 a.m.-12:00 noon**  
**Symposium 3**  
INNOVATIVE SMOKING CESSATION INTERVENTIONS FOR ADOLESCENT SMOKERS  
Durango I

**10:30 a.m.-12:00 noon**  
**Symposium 4**  
NOVEL CHANNELS AND MEDIA FOR DELIVERING SMOKING CESSATION SERVICES  
Coronado Ballroom K

**12:00 noon-1:15 p.m.**  
**Lunch**  
Boxed Lunches (*Exchange Your Lunch Ticket for a Boxed Lunch*)  
Served in Coronado Ballroom Foyer

**12:15 p.m.-1:15 p.m.**  
**Members' Meeting**  
Durango I

**1:00 p.m.-7:00 p.m.**  
**Exhibit Hall Open**  
Coronado Ballroom L

**1:30 p.m.-3:30 p.m.**  
**Paper Session 1:**  
Smoking and Psychiatric Comorbidity  
Coronado Ballroom M

**1:30 p.m.-3:30 p.m.**  
**Paper Session 2**  
Health Care Providers: Training and Interventions  
Coronado Ballroom Q

**1:30 p.m.-3:30 p.m.**  
**Paper Session 3**  
In Utero Exposure to Nicotine: Effects and Reduction  
Durango I

**1:30 p.m.-3:30 p.m.**  
**Paper Session 4**  
Mechanisms Underlying Nicotine Reward and Dependence  
Coronado Ballroom K

**3:30 p.m.-4:00 p.m.**  
**Refreshment Break in the Exhibit Hall**  
Coronado Ballroom L

**4:00 p.m.-5:00 p.m.**  
**Clinical Theme Lecture:**  
"Pharmacogenetic Approaches to Nicotine Dependence Treatment"  
*Caryn Lerman, Ph.D.*  
Coronado Ballroom K

**5:00 p.m.-7:00 p.m.**  
**Poster Session 1**  
Coronado Ballroom L – Exhibit Hall

## Friday, February 17, 2006

**7:00 a.m.-9:00 p.m.**  
**Cyber Café**  
Coronado Ballroom Foyer – Near K/L Ballrooms

**7:30 a.m.-5:30 p.m.**  
**Registration**  
North Registration Desk

**8:30 a.m.-10:00 a.m.**  
**Paper Session 5**  
Mechanisms and Treatment of Craving and Withdrawal  
Coronado Ballroom K

**8:30 a.m.-10:00 a.m.**  
**Paper Session 6**  
Distress Tolerance and Affect Regulation  
Coronado Ballroom M

**8:30 a.m.-10:00 a.m.**  
**Paper Session 7**  
Development and Efficacy of Treatments in US Minority Populations  
Coronado Ballroom Q

**8:30 a.m.-10:00 a.m.**  
**Paper Session 8**  
Tobacco Control  
Durango I

**10:00 a.m.-10:30 a.m.**  
**Refreshment Break**  
Coronado Ballroom Foyer

**10:30 a.m.-12:00 noon**  
**Symposium 5**  
PRENATAL SMOKING EFFECTS ON BEHAVIORAL DYSREGULATION: METHODOLOGICAL ISSUES AND NOVEL APPROACHES  
Durango I

**10:30 a.m.-12:00 noon**  
**Symposium 6**  
NIMH WORKGROUP REPORT ON TOBACCO USE AND CESSATION IN PSYCHIATRIC DISORDERS  
Coronado Ballroom M

**10:30 a.m.-12:00 noon**  
**Symposium 7**  
PERSPECTIVES ON LIGHT AND INTERMITTENT SMOKING  
Coronado Ballroom Q

**10:30 a.m.-12:00 noon**  
**Symposium 8**  
PHYSIOLOGY, COGNITION, AFFECT AND BEHAVIOR: EFFECTS OF ANTI-TOBACCO ADVERTISING ON YOUTH, YOUNG ADULTS AND ADULTS  
Coronado Ballroom K

**11:00 a.m.-7:00 p.m.**  
**Exhibit Hall Open**  
Coronado Ballroom L

**12:00 noon-1:15 p.m.**  
**Lunch**  
Boxed Lunches (*Exchange Your Lunch Ticket for a Boxed Lunch*)  
Served in Coronado Ballroom L-Exhibit Hall

**12:15 p.m.-1:45 p.m.**  
**Optional Workshops**

**Workshop 1**  
SRNT Training Committee Grant Writing Workshop: Grant Mechanisms for the Young Investigator  
Durango I

**Workshop 2**  
Science and the Courts: How Science Impacts Tobacco Litigation  
Coronado Ballroom Q

**Workshop 3**  
Tobacco Research Using Human Subjects: Ethical Issues  
Coronado Ballroom M

**2:00 p.m.-3:30 p.m.**  
**Award Presentations Session**  
Langley Award Address:  
"Nicotine Addiction: Discovery Research Then and Now"  
*William Corrigan, Ph.D.*  
Coronado Ballroom K

**3:30 p.m.-4:00 p.m.**  
**Refreshment Break**  
Coronado Ballroom L-Exhibit Hall

**4:00 p.m.-5:00 p.m.**  
**Pre-Clinical Theme Lecture:**  
"Neuropsychological Models of Psychomotor Stimulant Use, Abuse and Addiction"  
*Professor Trevor Robbins*  
Coronado Ballroom K

**5:00 p.m.-7:00 p.m.**  
**Poster Session 2**  
Coronado Ballroom L-Exhibit Hall

## Saturday, February 18, 2006

**7:00 a.m.-5:00 p.m.**  
**Cyber Café**  
Coronado Ballroom Foyer – Near K/L Ballrooms

**8:00 a.m.-5:00 p.m.**  
**Registration**  
North Registration Desk

**8:30 a.m.-10:00 a.m.**  
**Paper Session 9**  
Pharmacotherapy Trials and Mechanisms  
Durango I

**8:30 a.m.-10:00 a.m.**  
**Paper Session 10**  
Other Tobacco Use: Trends, Attitudes and Intervention  
Coronado Ballroom M

**8:30 a.m.-10:00 a.m.**  
**Paper Session 11**  
Quitlines and Computer-Based Interventions  
Coronado Ballroom Q

**8:30 a.m.-10:00 a.m.**  
**Paper Session 12**  
Adolescent Smoking Progression  
Coronado Ballroom K

**10:00 a.m.-1:30 p.m.**  
**Exhibit Hall Open**  
Coronado Ballroom L

**10:00 a.m.-10:30 a.m.**  
**Refreshment Break**  
Coronado Ballroom L

**10:30 a.m.-11:30 a.m.**  
**Public Health/Epidemiology Theme Lecture:**  
"Tobacco Use and Global Poverty: Evidence and Action"  
*Prabhat Jha, Ph.D.*  
Coronado Ballroom K



# Program: Wednesday, February 15 - Thursday, February 16, 2006

**11:30 a.m.-1:30 p.m.**  
**Poster Session 3**  
 Rapid Response Posters  
 Coronado Ballroom L-Exhibit Hall  
 Boxed Lunches Provided  
*(please bring your lunch ticket)*

**1:30 p.m.-3:00 p.m.**  
**Symposium 9**  
 IMPULSIVE BEHAVIOR: ACUTE-NICOTINE EFFECTS AND RELATIONS TO CIGARETTE SMOKING  
 Durango I

**1:30 p.m.-3:00 p.m.**  
**Symposium 10**  
 NEW DATA ON GRADUAL CESSATION TREATMENTS  
 Coronado Ballroom K

**1:30 p.m.-3:00 p.m.**  
**Symposium 11**  
 TOBACCO CONTROL IN A COMPLEX ADAPTIVE ENVIRONMENT: MODELING TO IMPROVE STRATEGIC PLANNING  
 Coronado Ballroom M

**1:30 p.m.-3:00 p.m.**  
**Symposium 12**  
 SCIENCE AND THE BUILDING BLOCKS FOR TOBACCO PRODUCT REGULATION  
 Coronado Ballroom Q

**3:00 p.m.-3:30 p.m.**  
**Refreshment Break**  
 Coronado Ballroom Foyer

**3:30 p.m.-4:45 p.m.**  
**New Investigators Paper Session**  
 Coronado Ballroom K

**4:45 p.m.-5:15 p.m.**  
**Closing Remarks**  
 Coronado Ballroom K

## Thursday, February 16, 2006

**7:00 a.m.-5:30 p.m.**..... **North Registration Desk Registration**

**7:00 a.m.-9:00 p.m.**..... **Coronado Ballroom Foyer-Cyber Café**  
**Near K/L Ballrooms**

**9:00 a.m.-10:00 a.m.**..... **Coronado Ballroom K**  
**Welcome and Opening Remarks**  
*David Balfour, Ph.D., SRNT President*

*Keynote Speaker: Robert West, Ph.D.*  
 "What Use are Theories and Models in Understanding and Combating Nicotine Dependence?"

**10:00 a.m.-10:30 a.m.**..... **Coronado Ballroom Foyer**  
**Refreshment Break**

## SYMPOSIA 1-4

**10:30 a.m.-12:00 noon**..... **Coronado Ballroom M**  
**Symposium 1**  
 ALCOHOL-NICOTINE INTERACTIONS: ARE WOMEN LIKE MEN?

It is well known that there is a strong relationship between smoking and alcohol use. This symposium will present new findings from human biobehavioral research paradigms to elucidate the nature of alcohol-nicotine interactions. Each of the symposium participants examined this relationship from a different perspective, from responses to alcohol and smoking cues to the effects of alcohol on smoking-related behaviors, and the effects of nicotine on alcohol-related behaviors. Important sex differences and other individual difference factors will be highlighted in each presentation. Dr. David Drobos will present data on reactions to alcohol and smoking cues among alcoholic and nonalcoholic smokers, and show a differential response pattern in women compared to men. Dr. Andrea King will present data on alcohol-induced increases in smoking urges in nonnicotine-dependent, heavy social drinkers, and highlight sex differences in the relationship between alcohol-induced smoking urges and behavior. Dr. Harriet de Wit will present data on the sex differences in the effects of transdermal nicotine on alcohol consumption. Dr. Jed Rose will present data on the effects of nicotine patch administration and the nicotinic antagonist mecamylamine on responses to alcohol and cigarettes. Gender effects will also be discussed. Dr. Kenneth Perkins will discuss and synthesize these findings. Taken together, these controlled laboratory studies elucidate the factors that underlie comorbid alcohol and smoking misuse, and underscore the need to examine individual differences, including sex differences, in nicotine-alcohol interactions and cue reactivity responses.

*Presenters: Andrea King\*, Chair, University of Chicago; Alyssa Epstein, Illinois Institute of Technology; Harriet de Wit\* and Ashley Acheson, University of Chicago; Stephen Mahler, University of Michigan; Jed Rose\*, Frederique Behm, Duke University; David Drobos\*, University of South Florida; and Kenneth Perkins, University of Pittsburgh*

## Wednesday, February 15, 2006

**12:00 noon-6:30 p.m.**..... **North Registration Desk Registration**

**8:00 a.m.-5:00 p.m.**..... **Durango I**  
**Pre-Meeting Conference**  
 "National Cooperative Drug Discovery Groups for Nicotine Addiction – A NIDA Synthesis Meeting"

This meeting will highlight a range of research – design, synthesis, and screening of ligands as well as clinical trial activities – currently funded under the National Cooperative Drug Discovery Groups (NCDDG) initiative, which recognizes the need for mechanism-of-action based medications in nicotine addiction, molecular tools for discovery research, and academic/pharmaceutical partnerships. In addition, the audience will learn of future plans at the NIH for the NCDDG initiative.

**1:00 p.m.-5:00 p.m.**..... **Coronado Ballroom M**  
**Pre-Meeting Conference**  
 "Addressing Tobacco in Health Care National Forum – Translating Health Services Research into Practice and Policy"

This meeting will provide tobacco control researchers, health services researchers, and others with the opportunity to discuss two emerging opportunities in systems changes and tobacco control: lessons learned related to systems change from using clinical practice guidelines for tobacco cessation, and applying lessons from tobacco to other health risk behaviors. The meeting is coordinated by the Addressing Tobacco in Healthcare Research Network (formerly the Addressing Tobacco in Managed Care National Program Office) and is funded by The Robert Wood Johnson Foundation.

**5:30 p.m.-7:00 p.m.**..... **Coronado Ballroom L**  
**Welcome Reception**  
*Cash Bar and Light Hors d'Oeuvres*



**10:30 a.m.-12:00 noon . . . . . Coronado Ballroom Q  
Symposium 2**

**CHRNA4 AND TOBACCO DEPENDENCE: FROM CELL CULTURE TO NICOTINE REPLACEMENT THERAPY OUTCOMES**

Tobacco use is one of the leading causes of cardiovascular disease and cancer. One of the primary mechanisms underlying the addictive nature of tobacco use is the binding of nicotine to nicotinic acetylcholine receptors (nAChRs). The alpha4 subunit of the nicotinic receptor is highly expressed in the central nervous system and plays a major role in tolerance, reward, and the modulation of mesolimbic dopamine function, all of which are critical to the development of tobacco dependence. Given the probable importance of the alpha4 subunit, the gene that expresses this subunit (CHRNA4) is a prime target for research into the genetic factors that influence tobacco dependence. To better understand the role of this gene in the etiology and treatment of tobacco dependence, we have adopted a transdisciplinary approach that combines bioinformatics, cell culture models, animal models, gene expression in post-mortem brain tissue, human laboratory models, and analyses of treatment outcome data. The first presentation in the symposium will present data on single nucleotide polymorphisms (SNPs) that were advanced in bioinformatic and cell culture models and subsequently tested in human post-mortem brain tissue. The second presentation will present data on the importance of the CHRNA4 at the animal (mouse) level of analysis and discuss new approaches to testing naturally occurring mutations in the human gene in transgenic lines of animals. The third presentation will present the effects of the two SNPs that were advanced from the basic science models in terms of sensitivity to nicotine in human laboratory models. Finally, the fourth presentation will focus on the clinical implications of these two SNPs. Thus, the symposium will span basic biological approaches to the study of gene function and clinical outcome data. The discussant will focus on the strengths and limitations of these data, and more generally, the strengths and limitations of the collaborative, transdisciplinary nature of this approach.

*Chair: Heather Haughey, Ph.D.; Presenters: Kent E. Hutchison, Ph.D.\*, Jerry Stitzel, Ph.D., University of Colorado; Christopher Jepson, Ph.D., University of Pennsylvania; and David Abrams, Ph.D.\*, Office of Behavioral and Social Sciences Research, NIH*

**10:30 a.m.-12:00 noon . . . . . Durango I  
Symposium 3**

**INNOVATIVE SMOKING CESSATION INTERVENTIONS FOR ADOLESCENT SMOKERS**

Adolescent tobacco use is a health problem of epidemic proportions since over three million adolescents smoke cigarettes in the United States (USDHHS, 1994). Each day, nearly 2000 children and adolescents in the United States under the age of 18 begin smoking (Johnston, et al., 2003). Recent CDC data (MMWR, 2001) suggest that among adolescents who reported smoking daily at some point, 72.9% had tried to quit smoking while only 13.5% were former smokers. These statistics emphasize the importance of providing smoking cessation programs for this population of high-risk smokers. Yet, there are few empirically validated smoking cessation interventions for these young smokers (see review by Garrison, et al., 2003). This symposium will present and discuss evidence from innovative ongoing research focused on

developing adolescent- and young adult-specific smoking cessation interventions. Dr.'s Ping Sun and Steve Sussman will present outcome data from the dissemination of Project Ex in a classroom setting; Project Ex is a smoking prevention/cessation program originally developed for use in a school-based clinic involving the inclusion of enjoyable, motivating activities to educate students about tobacco use and help them quit smoking. Dr. Karen Hanson will present evidence on the use of a "harm reduction" program combining nicotine replacement with cognitive behavioral therapy to reduce smoking in adolescent smokers. Dr. Suchitra Krishnan-Sarin will present preliminary results from a high school-based smoking cessation program involving Contingency management of abstinence in combination with Cognitive Behavioral Therapy. Dr. Peter Monti will present preliminary evidence from an ongoing trial of Contingency management in combination with a Motivational Intervention for college age smokers. Finally, Dr. Robin Mermelstein will serve as the discussant for this symposium and will comment on the methodological, ethical and policy issues related to these interventions and achieving smoking cessation in this high risk population.

*Chair: Suchitra Krishnan-Sarin\*, Ph.D.; Presenting Authors: Ping Sun, Ph.D.; Karen Hanson, Ph.D.; Suchitra Krishnan-Sarin, Ph.D.; Peter Monti, Ph.D.; Discussant: Robin Mermelstein, Ph.D.*

**10:30 a.m.-12:00 noon . . . . . Coronado Ballroom K  
Symposium 4**

**NOVEL CHANNELS AND MEDIA FOR DELIVERING SMOKING CESSATION SERVICES**

Recent years have seen an explosion of innovations in how smoking cessation services are disseminated and delivered. This symposium focuses on the use of new delivery channels and media to deliver cessation services so as to increase their effectiveness, their overall reach, and their reach to specific populations previously lacking access to treatment. Tim McAfee describes the growing use of telephone quitlines, and their integration with delivery and dissemination of nicotine replacement therapy, noting how the offer of NRT substantially enhances enrollment in quitline counseling. Victor Strecher describes the use of computer-tailored programs delivered via the web, summarizing data from two large randomized trials demonstrating the effectiveness of web-based programs and the importance of tailoring for effectiveness. David Wetter and Paul Cinciripini describe the use of palmtop computers to implement sophisticated treatment algorithms that adapt and respond to quitters' hour-to-hour experience as they quit smoking to provide timely guidance. They report on three studies with diverse populations. Robyn Whittaker describes a novel and successful program in New Zealand, using text messaging to deliver smoking cessation content to smokers' cell phones, while also allowing users to 'pull down' tips relevant to their current situation. All the presenters will identify advantages, promises, and challenges of each method, as well as presenting clinical data on their effectiveness and reach. Finally, Saul Shiffman, as discussant, will identify common themes and challenges, and comment on the promise of new media, singly and in combination, for disseminating effective smoking cessation treatment on a mass scale. Dr. Shiffman consults to GlaxoSmithKline Consumer Healthcare, which markets smoking cessation treatments, and has a financial interest in a new nicotine replacement treatment.



Presenters: Saul Shiffman\*, Ph.D., Chair, University of Pittsburgh and Pinney Associates; Tim McAfee, Free & Clear; Robyn Whittaker, University of Auckland, New Zealand; David Wetter, Ph.D., Paul Cinciripini, Ph.D., UT M.D. Anderson Cancer Center; and Victor Strecher, University of Michigan

12:00 noon-1:15 p.m.

**Lunch**

Boxed Lunches Served in Coronado Ballroom Foyer  
(Exchange Your Lunch Ticket for a Boxed Lunch)

12:15 p.m.-1:15 p.m. . . . . Durango I  
Members' Meeting

1:00 p.m.-7:00 p.m. . . . . Coronado Ballroom L  
Exhibit Hall Open

**PAPER SESSIONS 1-4**

1:30 p.m.-3:30 p.m. . . . . Coronado Ballroom M  
Paper Session 1

Smoking and Psychiatric Comorbidity

Chairs: Jill W. Williams, M.D. and Jennifer W. Tidey, Ph.D.

1:30 p.m.

**PA1-1**

EFFECTS OF NICOTINE VARY ACROSS TWO AUDITORY  
EVOKED POTENTIALS IN THE MOUSE

Steven J. Siegel<sup>\*1,2</sup>, Kayla L. Metzger, Christina R. Maxwell, Yuling Liang; <sup>1</sup>Stanley Center for Experimental Therapeutics in Psychiatry, Division of Neuropsychiatry, Department of Psychiatry, University of Pennsylvania; <sup>2</sup>Division of Neuropsychiatry, Department of Psychiatry, University of Pennsylvania

1:45 p.m.

**PA1-2**

NEUROPSYCHOLOGICAL DIFFERENCES IN SCHIZOPHRENIA AND CONTROLS AS A FUNCTION OF SMOKING STATUS

Kristi A. Sacco\*, Psy.D.<sup>1,2</sup>, Angelo Termine, B.S.<sup>1</sup>, Taryn M. Allen, B.S.<sup>1</sup>, Erin Reutenauer, B.S.<sup>1</sup>, Andrea Weinberger, Ph.D.<sup>1,2</sup>, Jennifer C. Vessicchio, L.C.S.W.<sup>1</sup>, Bruce E. Wexler, M.D.<sup>1,2</sup>, and Tony P. George, M.D.<sup>1,2</sup>; <sup>1</sup>Program for Research in Smokers with Mental Illness and <sup>2</sup>Division of Substance Abuse, Department of Psychiatry Yale University School of Medicine, New Haven, CT

2:00 p.m.

**PA1-3**

EFFECTS OF SMOKING CUES, ACUTE ABSTINENCE AND BUPROPION IN SMOKERS WITH SCHIZOPHRENIA AND NON-PSYCHIATRIC CONTROLS

Jennifer W. Tidey, Ph.D.\*, Brown University, Damaris J. Rohsenow, Ph.D., Providence VAMC and Brown University, Gary B. Kaplan, M.D., Brockton VAMC, Robert M. Swift, M.D., Ph.D., Providence VAMC, and Elizabeth B. Cathers, B.A., Brown University

2:15 p.m.

**PA1-4**

IMPACT OF MENTHOL AND OTHER BRAND CHARACTERISTICS ON BLOOD NICOTINE LEVELS IN SMOKERS WITH SCHIZOPHRENIA VS CONTROLS

Jill M. Williams\*, M.D., Kunal K. Gandhi, M.B.B.S., M.P.H., Marc L. Steinberg, Ph.D., Jonathan Foulds, Ph.D., Douglas M. Ziedonis, M.D., M.P.H., and Neal Benowitz, M.D.; UMDNJ-The Robert Wood Johnson Medical School, UMDNJ-School of Public Health and University of California, San Francisco

2:30 p.m.

**PA1-5**

SMOKING CESSATION IN PERSONS WITH SCHIZOPHRENIA AND OTHER SERIOUS MENTAL ILLNESS

Sandra M. Gallagher, Ph.D.\*, Patricia E. Penn, Ph.D., La Frontera Center, Inc.; and Eric Schindler, Ph.D., Child and Family Resources

2:45 p.m.

**PA1-6**

PSYCHOLOGICAL AND PERSONALITY DIFFERENCES AMONG SMOKERS WITH RECURRENT VERSUS SINGLE TYPE OF MAJOR DEPRESSION

Lirio S. Covey, New York State Psychiatric Institute and Columbia University; Rene Laje, Social Work Department, Hebrew Home of Greater Washington; Alexander H. Glassman, New York State Psychiatric Institute and Columbia University; Sally Woodring, Catherine LoDuca, and Jenny Masmela, New York State Psychiatric Institute

3:00 p.m.

**PA1-7**

INFLUENCE OF NICOTINE DEPENDENCE ON THE ASSOCIATION BETWEEN MAJOR DEPRESSION AND OTHER PSYCHIATRIC DISORDERS

Melinda J. Manley, M.A.\*, Marc N. Potenza, M.D., Ph.D., and Rani A. Desai, M.P.H., Ph.D., Yale University School of Medicine, Departments of Psychiatry and Epidemiology and Public Health

3:15 p.m.

**PA1-8**

DEPRESSION HISTORY AND CESSATION RESULTS FROM THE WISCONSIN BEHAVIORAL HEALTH SURVEY

Steven S. Smith, Ph.D.\*, Mark Zelner, M.S., Michael C. Fiore, M.D., M.P.H., and Timothy B. Baker, Ph.D., University of Wisconsin Medical School

1:30 p.m.-3:30 p.m. . . . . Coronado Ballroom Q  
Paper Session 2

Health Care Providers: Training and Interventions

Session Chairs: Belinda Borrelli, Ph.D. and Joan Brewster, Ph.D.



1:30 p.m.

**PA2-1**

TRENDS IN US PHYSICIANS' RATES OF IDENTIFYING AND COUNSELING SMOKERS: 1994-2003

*Anne N. Thorndike, M.D., M.P.H.\**, Susan Regan, Ph.D., and Nancy A. Rigotti, M.D., Massachusetts General Hospital

1:45 p.m.

**PA2-2**

INDIVIDUAL, PROFESSIONAL, AND ENVIRONMENTAL FACTORS IN TOBACCO-RELATED PRACTICE OF CANADIAN FAMILY PHYSICIANS AND PEDIATRICIANS

*Joan M. Brewster, Ph.D.\**, J. Charles Victor, M.Sc., and Roberta Ferrence, Ph.D., Ontario Tobacco Research Unit and Department of Behavioural Sciences, University of Toronto

2:00 p.m.

**PA2-3**

A RANDOMIZED TRIAL OF ACADEMIC PROFILING INCREASES PROVIDER TOBACCO INTERVENTION

*Susan Swartz, M.D., M.P.H.\** and Tim Cowan, M.S.P.H., Center for Outcomes Research & Evaluation, Portland, ME

2:15 p.m.

**PA2-4**

TOBACCO TRAINING IN MEDICAL SCHOOLS: PRELIMINARY OUTCOMES OF THE GENERALIZABLE CURRICULUM INITIATIVE

*Frank Leone, M.D.\**, Sarah Evers-Casey, M.P.H., Linda Kanzleiter, Ph.D., Ashwin Patkar, M.D., and Jon Veloski, M.S., Center for Tobacco Research and Treatment Thomas Jefferson University, and Pennsylvania Area Health Education Centers

2:30 p.m.

**PA2-5**

MEDICAL STUDENTS COMPLIANCE WITH TOBACCO DEPENDENCE INTERVIEWING AND COUNSELING SKILLS USING HANDHELD COMPUTERS (PDA)

*Linda H. Ferry, M.D., M.P.H.*, Christopher Schreur\*, B.A., Loma Linda University School of Medicine; and Scott McIntosh, Ph.D., University of Rochester Medical Center

2:45 p.m.

**PA2-6**

ARE NURSES ADEQUATELY INFORMED ABOUT THE RISKS OF REDUCED TAR AND NICOTINE CIGARETTES, AND OTHER HARM REDUCTION STRATEGIES?

*Belinda Borrelli, Ph.D.\** Brown Medical School and Scott Novak, Ph.D., Research Triangle Institute

3:00 p.m.

**PA2-7**

USE OF ELECTRONIC CONTINUING EDUCATION IN DENTAL OFFICES FOR TOBACCO CESSATION

*David A. Albert, D.D.S., M.P.H.\**, Judith Gordon, Ph.D.\*, Judy Andrews, Ph.D.\*\*

3:15 p.m.

**PA2-8**

RECRUITMENT STRATEGIES FOR COMMUNITY-BASED TOBACCO CESSATION TRAINING

*Eva Matthews, M.P.H.\**, Nicole P. Yuan, Ph.D., Julie Mack, B.A., Kimberley A. Elliott, B.S., and Myra L. Muramoto, M.D., M.P.H., University of Arizona, Dept. of Family and Community Medicine

**1:30 p.m.-3:30 p.m. . . . . Durango I Paper Session 3**

In Utero Exposure to Nicotine: Effects and Reduction

*Session Chairs: Laura Stroud, Ph.D. and Valerie Knopik, Ph.D.*

1:30 p.m.

**PA3-1**

EFFECTS OF IN UTERO EXPOSURE TO THE CONSTITUENTS OF CIGARETTE SMOKE ON SENSORY GATING DURING PUBERTY

*M.D. McLane, B.S.\**, K.A. McKeon, M.S., M.E. Hausman, B.S., R.A. Buchanan, Ph.D., Arkansas Biosciences Institute, Arkansas State University; R.D. Skinner, Ph.D., and E. Garcia-Rill, Ph.D., Center for Translational Neuroscience, University of Arkansas for Medical Sciences

1:45 p.m.

**PA3-2**

PRENATAL SMOKING INFLUENCES NEWBORN NEUROBEHAVIOR: THE NEW ENGLAND FAMILY STUDY

*Laura R. Stroud, Ph.D.\**, Rachel Paster, B.A., Edmond Shenassa, Sc.D., Stephen Buka, Sc.D., Raymond Niaura, Ph.D., Lewis Lipsitt, Ph.D., Brown Medical School; Matthew Goodwin, M.S., University of Rhode Island; and Judy F. Rosenblith, Wheaton College

2:00 p.m.

**PA3-3**

EVALUATING THE NATIONAL PARTNERSHIP TO HELP PREGNANT SMOKERS QUIT: 2006 UPDATES

*Leah Ranney\*, Ph.D.*, Cathy Melvin, Ph.D., M.P.H., and Catherine Rohweder, Dr.P.H., Cecil G. Sheps Center for Health Services Research and Smoke-Free Families, National Dissemination Office at The University of North Carolina at Chapel Hill

2:15 p.m.

**PA3-4**

EFFICACY OF PROACTIVE TELEPHONE COUNSELING FOR PREGNANT SMOKERS: A RANDOMIZED TRIAL

*Nancy Rigotti, M.D.\**, Elyse Park, Ph.D., Susan Regan, Ph.D., Yuchiao Chang, Ph.D., Kristin Perry, B.A., Tobacco Research & Treatment Center, Massachusetts General Hospital, Harvard Medical School; Beverly Loudin, M.D., Tufts Health Plan; and Virginia Quinn, Ph.D., Kaiser Permanente S. California



**2:30 p.m.**

**PA3-5**

TESTING A COMBINED HEALTH BELIEF AND TRANSTHEORETICAL MODEL ON SMOKING CESSATION IN A RURAL PREGNANT POPULATION

*Geraldine R. Avidano Britton, Ph.D.\**, Gary D. James, Ph.D., Binghamton University; JoAnn Brinthaup, C.N.P., Ivy Obstetrics and Gynecology; and Joyce M. Stehle, M.S.N., Arnot Ogden Medical Center

**2:45 p.m.**

**PA3-6**

FACTORS PREDICTING SMOKING CESSATION DURING PREGNANCY: RESULTS FROM A RURAL COHORT WITH A HIGH SMOKING PREVALENCE

*Beth Nordstrom Bailey, Ph.D.*, Department of Family Medicine, East Tennessee State University

**3:00 p.m.**

**PA3-7**

PROACTIVE VS REACTIVE RECRUITMENT OF PREGNANT EXSMOKERS

*Elena Lopez, M.A.\**, Vani Simmons, Ph.D., Laura Cardona, B.A., and Thomas Brandon, Ph.D., University of South Florida and the H. Lee Moffitt Cancer Center & Research Institute

**3:15 p.m.**

**PA3-8**

A CLINICAL COLLABORATIVE IMPROVES THE TOBACCO INTERVENTIONS WITH PREGNANT SMOKERS

*Susan Swartz, M.D.\**, Judy Soper, Tim Cowan, M.S.P.H., and Cindy Tworek, Ph.D., Center for Tobacco Independence, ME

**1:30 p.m.-3:30 p.m. . . . . Coronado Ballroom K  
Paper Session 4**

Mechanisms Underlying Nicotine Reward and Dependence

*Session Chairs: M. Imad Damaj, Ph.D. and Mark G. LeSage, Ph.D.*

**1:30 p.m.**

**PA4-1**

REINFORCEMENT ENHANCING EFFECT OF NICOTINE AND ITS ATTENUATION BY NICOTINIC AND DOPAMINERGIC ANTAGONISTS

*Xiu Liu\**, Anthony R. Caggiula, Matthew I. Palmatier, Sheri Booth, Maysa Gharib, Laure Craven, Eric C. Donny, and Alan F. Sved. Department of Psychology and Neuroscience, University of Pittsburgh

**1:45 p.m.**

**PA4-2**

CHARACTERIZATION AND RECEPTOR MECHANISMS OF THE REWARDING PROPERTIES OF NICOTINE IN THE CONDITIONED PLACE PREFERENCE IN MICE

*M. Imad Damaj\**, Carrie L. Walters, and Billy R. Martin, Virginia Commonwealth University, Dept. of Pharmacology,

**2:00 p.m.**

**PA4-3**

ORAL NICOTINE SELF-ADMINISTRATION IS LESS IN NICOTINIC ALPHA-7 KNOCKOUT MICE THAN WILDTYPE CONTROLS

*Edward D. Levin, Ph.D.\**, Amir H. Rezvani, Ph.D., Ninitia Pollard, and Ann Petro, Duke University Medical Center

**2:15 p.m.**

**PA4-4**

GENETIC VARIATION IN Cyp2a5-MEDIATED NICOTINE METABOLISM CORRELATES WITH DIFFERENTIAL ORAL NICOTINE CONSUMPTION IN MALE MICE

*Eric C.K. Siu, M.Sc.\**, Amir Boutros, Dieter B. Wildenauer, Ph.D., and Rachel F. Tyndale, Ph.D., University of Toronto and University of Western Australia

**2:30 p.m.**

**PA4-5**

INDUCTION OF CYP2E1, AN ENZYME ASSOCIATED WITH ALCOHOL AND NICOTINE DEPENDENCE, IN RAT BRAIN

*Meenal Joshi\**, Ph.D., Sharon Miksys, Ph.D., and Rachel F. Tyndale, Ph.D., CAMH, University of Toronto

**2:45 p.m.**

**PA4-6**

RISK OF ACQUIRING NICOTINE DEPENDENCE AMONG ADOLESCENT CAUCASIANS: INFLUENCE OF CYP2A6 GENETIC VARIATION

*Nael Al Koudsi\**, Daniel Rodriguez, Ph.D., Janet Audrain-McGovern, Ph.D., and Rachel F. Tyndale, Ph.D., Universities of Toronto and Pennsylvania

**3:00 p.m.**

**PA4-7**

SIGNIFICANT ASSOCIATION OF CATECHOL-O-METHYLTRANSFERASE (COMT) HAPLOTYPES WITH NICOTINE DEPENDENCE IN MALE AND FEMALE SMOKERS OF TWO ETHNIC POPULATIONS

*Ming D. Li\**, Joke Beuten, Jennie Z. Ma, Department of Psychiatric Medicine, University of Virginia; Thomas J. Payne, The ACT Center, University of Mississippi Medical Center

**3:15 p.m.**

**PA4-8**

THE INFLUENCE OF MOOD, NICOTINE, AND DOSE INSTRUCTIONS ON THE SUBJECTIVE AND REINFORCING EFFECTS OF SMOKING

*Kenneth A. Perkins\**, Melinda Ciccocioppo, Cynthia A. Conklin, Melissa Milanak, Department of Psychiatry, University of Pittsburgh; and Michael Sayette, Department of Psychology, University of Pittsburgh

**3:30 p.m.-4:00 p.m. . . . . Coronado Ballroom L-Exhibit Hall  
Refreshment Break**



**4:00 p.m.-5:00 p.m. . . . . Coronado Ballroom K  
Clinical Theme Lecture**

"Pharmacogenetic Approaches to Nicotine Dependence Treatment"

*Caryn Lerman, Ph.D.*

*Introduction by Gary Swan, Ph.D.*

**5:00 p.m.-7:00 p.m. . . . . Coronado Ballroom L-Exhibit Hall  
Poster Session 1**

*Cash Bar and Light Hors d'Oeuvres*

**Friday, February 17, 2006**

**7:00 a.m.-9:00 p.m. . . . . Coronado Ballroom Foyer –  
Cyber Café near K/L Ballrooms**

**7:30 a.m.-5:30 p.m. . . . . North Registration Desk  
Registration**

**PAPER SESSIONS 5-8**

**8:30 a.m.-10:00 a.m. . . . . Coronado Ballroom K  
Paper Session 5**

Mechanisms and Treatment of Craving and Withdrawal

*Session Chairs: Lynne Dawkins, Ph.D. and Peter Hendricks, M.A.*

**8:30 a.m.**

**PA5-1**

THE EARLY TIME COURSE OF SMOKING WITHDRAWAL SYMPTOMS

*Peter S. Hendricks, M.A.\*; Joseph W. Ditre, B.A., Amanda M. Heisserer, David J. Drobos, Ph.D., and Thomas H. Brandon, Ph.D., University of South Florida and the H. Lee Moffitt Cancer Center and Research Institute*

**8:45 a.m.**

**PA5-2**

COGNITIVE-MOTIVATIONAL EFFECTS OF NICOTINE: INDIVIDUAL DIFFERENCES IN RESPONSE, AND PREDICTORS OF SUCCESSFUL SMOKING CESSATION

*Lynne Dawkins\*, Jane Powell, and Alan Pickering, Department of Psychology, Goldsmiths College; John Powell, Institute of Psychiatry, Kings College London; and Robert West, University College London*

**9:00 a.m.**

**PA5-3**

BRAIN SIGNATURE OF CIGARETTE CUE-INDUCED CRAVING IS GREATEST IN FEMALES

*T. Franklin\*, Z. Wang, N. Sciortino, D. Harper, R. Willhite, J. Wang, J. Detre, C.P. O'Brien, and A.R. Childress*

**9:15 a.m.**

**PA5-4**

SPECT IMAGING OF BETA2 NICOTINIC ACETYLCHOLINE RECEPTORS IN TOBACCO SMOKERS DURING ACUTE AND PROLONGED WITHDRAWAL

*Kelly P. Cosgrove, Ph.D.\*; Erin B. Frohlich, M.S., Erica Krantzler, Suchitra S. Krishnan-Sarin, Ph.D., Stephanie O'Malley, Ph.D., Frederic Bois, Ph.D., Julie K. Staley, Ph.D., Yale University School of Medicine and the VACHS; Gilles D. Tamagnan, Ph.D., and John P. Seibyl, M.D., Yale University School of Medicine and the Institute for Neurodegenerative Disorders*

**9:30 a.m.**

**PA5-5**

EFFECTS OF HYDROXYMETYABOLITES OF BUPROPION ON NICOTINE REWARD AND WITHDRAWAL IN MICE

*M. Imad Damaj\*, Sheri D. Grabus, F. Ivy Carroll, Ph.D., and Billy R. Martin, Ph.D.; <sup>1</sup>Virginia Commonwealth University, Dept. of Pharmacology; <sup>2</sup>Research Triangle Institute*

**9:45 a.m.**

**PA5-6**

MEDIATORS OF BUPROPION TREATMENT EFFECTS

*Megan E. Piper\*, M.A., University of Wisconsin; E. Belle Federman, Sc.D., RTI International; Daniel M. Bolt, Ph.D., Stevens S. Smith, Ph.D., Michael C. Fiore, M.D., M.P.H., and Timothy B. Baker, Ph.D., University of Wisconsin*

**8:30 a.m.-10:00 a.m. . . . . Coronado Ballroom M  
Paper Session 6**

Distress Tolerance and Affect Regulation

*Session Chairs: Richard Brown, Ph.D. and Mustafa al'Absi, Ph.D.*

**8:30 a.m.**

**PA6-1**

OPIATE MODULATION OF PAIN AND HYPOTHALAMIC-PITUITARY HORMONES IN SMOKING MEN AND WOMEN

*Mustafa al'Absi, Ph.D., Ruth Westra, D.O., Lorentz E. Wittmers, M.D., Ph.D., University of Minnesota Medical School*

**8:45 a.m.**

**PA6-2**

PEAK CORTISOL REACTIVITY AND ANXIETY SENSITIVITY AS PREDICTORS OF SMOKING CESSATION FAILURE

*Carl W. Lejuez\*, Marina A. Bornovalova, Thomas White, and Adria Trotman, University of Maryland*

**9:00 a.m.**

**PA6-3**

ANXIETY-BASED AFFECT INTOLERANCE AND EARLY SMOKING RELAPSE

*Amit Bernstein, Michael J. Zvolensky\*, University of Vermont; and Samuel Cardenas, University of Mexico*



9:15 a.m.

PA6-4

PERSISTENCE, STRESS REACTIVITY, AND OUTCOME: A PROSPECTIVE ANALYSIS OF THE RELATIONSHIP BETWEEN DISTRESS TOLERANCE AND SMOKING RELAPSE

Randall A. Hoskinson, Jr., M.A.\*, Brianna M. Wadler, B.A., Emily E. Wood, B.S., Taru H. Kinnunen, Ph.D., Arthur J. Garvey, Ph.D., Harvard School of Dental Medicine; and David Kalman, Ph.D., Boston University Medical School

9:30 a.m.

PA6-5

THE ROLE OF COMMITMENT IN CESSATION OUTCOMES IN BOTH AIDED AND UNAIDED QUIT ATTEMPTS

Christopher W. Kahler, Ph.D.,\* David R. Strong, Ph.D., and Richard A. Brown, Ph.D., Brown Medical School

9:45 a.m.

PA6-6

THE ROLE OF DEPRESSION AND AFFECT REGULATION IN TOBACCO SMOKING AMONG COLLEGE STUDENTS

Holly E. Schleicher\*, Kari Jo Harris, The University of Montana; Delwyn Catley, University of Missouri - Kansas City; Sandra Hall, Niaman Nazir, University of Kansas Medical Center; and Alison C. Pepper, The University of Montana

8:30 a.m.-10:00 a.m. .... Coronado Ballroom Q  
Paper Session 7

Development and Efficacy of Treatments in US Minority Populations

Session Chairs: Lisa Sanderson Cox, Ph.D. and Steven S. Fu, M.D., M.S.C.E.

8:30 a.m.

PA7-1

USING TOBACCO CESSATION STORIES FROM LOW-INCOME PATIENTS TO DEVELOP TARGETED INTERVENTIONS: THE ACCE PROJECT

T. Houston, M.D.\*, J. Williams, M.P.H., J. Emiola, and J. Allison, M.D., University of Alabama at Birmingham

8:45 a.m.

PA7-2

USING COMMUNITY BASED PARTICIPATORY RESEARCH TO DEVELOP A CULTURALLY SENSITIVE, TAILORED CESSATION INTERVENTION FOR AFRICAN AMERICANS IN PUBLIC HOUSING DEVELOPMENTS

Jeannette O. Andrews\*, Ph.D., R.N., Stacey Crawford, C.H.W., and Martha Tingen, Ph.D., R.N., Medical College of Georgia

9:00 a.m.

PA7-3

VIEWS ON SMOKING CESSATION METHODS IN ETHNIC MINORITY COMMUNITIES: A QUALITATIVE INVESTIGATION

Steven S. Fu\*, M.D., M.S.C.E., Diana J. Burgess, Ph.D., Michelle van Ryn, Ph.D., M.P.H., Dorothy K. Hatsukami, Ph.D., Jody Solomon, B.S., and Anne M. Joseph, M.D., M.P.H., University of Minnesota

9:15 a.m.

PA7-4

PERCEPTION OF ACTIVE VS. PLACEBO BUPROPION TREATMENT ASSIGNMENT ON 26-WEEK ABSTINENCE AMONG AFRICAN-AMERICAN SMOKERS

Joshua N. Powell, A.B.,\* Janet L. Thomas, Ph.D., Kolawole S. Okuyemi, M.D., University of Kansas Medical Center; and Jasjit S. Ahluwalia, M.D., University of Minnesota,

9:30 a.m.

PA7-5

RACE DIFFERENCES IN SHORT-TERM SMOKING CESSATION AND RELAPSE

Lirio S. Covey, New York State Psychiatric Institute and Columbia University; Maria Botello-Harbaum\*, Prevention and Research Branch, DESPR/NICHD/NIH; Alexander H. Glassman, New York State Psychiatric Institute and Columbia University; Sally Woodring, Catherine LoDuca, New York State Psychiatric Institute; and Jane Fried, New York State Psychiatric Institute and Columbia University

9:45 a.m.

PA7-6

THE EFFECTS OF NICOTINE GUM AND COUNSELING AMONG AFRICAN-AMERICAN LIGHT SMOKERS

Jasjit S. Ahluwalia, M.D., M.P.H., M.S.\*, University of Minnesota; Kolawole S. Okuyemi, M.D., M.P.H., Nicole Nollen, Ph.D., Won S. Choi, Ph.D., M.P.H., Harsohena Kaur, M.D., M.P.H., Kim Pulvers, M.A., and Matthew S. Mayo, Ph.D., University of Kansas Medical Center

8:30 a.m.-10:00 a.m. .... Durango I  
Paper Session 8

Tobacco Control

Session Chairs: Paul McDonald, Ph.D. and Paul Mowery, M.A.

8:30 a.m.

PA8-1

TOBACCO CONTROL IN ONTARIO: STRATEGIC SUCCESS OR SECULAR SLIDE?

Thomas Stephens,\* Roberta Ferrence, and Homa Kameh, Ontario Tobacco Research Unit



8:45 a.m.

PA8-2

STRUCTURAL EQUIVALENCE MODELING OF STATE-LEVEL TOBACCO CONTROL ORGANIZATIONAL ACTIVITIES

Pamela Clark\*, Battelle Centers for Public Health; William Trochim, Cornell University; Fran Stillman, Johns Hopkins University; and Carol Schmidt, Battelle Centers for Public Health

9:00 a.m.

PA8-3

CANADIAN APPROACHES TO BUILDING RESEARCH CAPACITY IN TOBACCO CONTROL

Paul McDonald, Ph.D.\*, University of Waterloo, and Jennifer O'Loughlin, McGill University, on behalf of the ICE Teams

9:15 a.m.

PA8-4

THE IMPACT OF STATE TOBACCO CONTROL PROGRAMS ON PREVALENCE AND INDIVIDUAL RISK OF BEING A HARDCORE SMOKER

Erik M. Augustson\*<sup>1,2</sup>, and Scott Rogers<sup>1</sup>; <sup>1</sup>Cancer Information Service/NCI, <sup>2</sup>DCCPS/NCI

9:30 a.m.

PA8-5

REVISING THE MACHINE SMOKING REGIME FOR CIGARETTE YIELDS: IMPLICATIONS FOR TOBACCO CONTROL POLICY

David Hammond\*, Department of Health Studies, University of Waterloo

9:45 a.m.

PA8-6

INDOOR AIR QUALITY IN HOSPITALITY VENUES BEFORE AND AFTER PASSAGE OF A CLEAN INDOOR AIR LAW

Paul Mowery, M.A.\*, Biostatistics, Inc. and Christine Gray, M.P.H., Centers for Disease Control and Prevention

10:00 a.m.-10:30 a.m. . . . . Coronado Ballroom Foyer Refreshment Break

**SYMPOSIA 5-8**

10:30 a.m.-12:00 noon . . . . . Durango I Symposium 5

PRENATAL SMOKING EFFECTS ON BEHAVIORAL DYSREGULATION: METHODOLOGICAL ISSUES AND NOVEL APPROACHES

Although consistent effects of maternal smoking during pregnancy have emerged for a variety of adverse offspring outcomes across domains and development (e.g., behavioral, cognitive, and health outcomes from infancy to adulthood), past research has been confounded by critical methodological limitations that make causality difficult to demonstrate. Most prior reports describe large, epidemiological studies not originally designed to examine prenatal smoking. Maternal smoking has typically been measured retrospectively in the context of exposure to other drugs of abuse or with single-item measures. Few studies have included biochemical verification of exposure status or levels; genetic and

family factors have rarely been examined, and important covariates such as postnatal smoking exposure have not been rigorously controlled. Presenters in this symposium will discuss methodological limitations of previous studies, then present novel methodologies, approaches, and results. Dr. Stroud will open the symposium with an overview of the field and summary of methodological limitations of prior studies. Dr. Buka will present two new approaches for disentangling the influence of family factors and postnatal smoking—a discordant sibling pair design and propensity modeling approach—using data from the National Collaborative Perinatal Project. Dr. Cornelius will elucidate the unique effects of prenatal smoking in a rigorous model including a number of key proximal and maternal influences with data from two prospective studies. Dr. Espy will present new methods for examining behavioral dysregulation in infancy as well as gene X prenatal exposure interactions in predicting infant behavior. Finally, Dr. Slotkin will present state-of-the art animal models for examining effects of prenatal nicotine and environmental tobacco smoke exposure on brain development in rodents and primates. Dr. Niaura, the discussant, will integrate across presentations, discuss implications for treatment and public health, and identify key questions, methodologies and approaches for future research.

Presenters: Laura R. Stroud\*, Ph.D., Chair, Brown Medical School; Stephen Buka, Sc.D., Harvard School of Public Health; Marie Cornelius, Ph.D., University of Pittsburgh; Kimberly Andrews Espy, Ph.D., University of Nebraska, Lincoln; Theodore Slotkin, Ph.D., Duke University; and Raymond Niaura, Ph.D.\*, Brown Medical School

10:30 a.m.-12:00 noon . . . . . Coronado Ballroom M Symposium 6

NIMH WORKGROUP REPORT ON TOBACCO USE AND CESSATION IN PSYCHIATRIC DISORDERS

On September 19, 2005, the National Institute of Mental Health convened a workgroup on Tobacco Use and Cessation in Psychiatric Disorders. The purpose of this workgroup was to review the current state of the research in this area and consider tobacco research priorities for the NIMH Health Behavior Change program. The relationships of tobacco use and nicotine dependence among those with schizophrenia, major depression, and anxiety disorders were discussed, including evidence of possible mediating factors contributing to the disproportionately high rates of smoking in these psychiatric populations. The workgroup also focused on current smoking cessation interventions and how these interventions may need to be adapted for the cognitive, emotional, and motivational symptoms and associated features of these psychiatric disorders, as well as possible treatment interactions that may need to be considered. Potential communalities and differences in tobacco use and cessation among the three psychiatric groups also were discussed. Based on these presentations and discussions, research directions and priorities were considered. The three presentations in this symposium summarize the presentations and discussions of these issues in the areas of smoking and schizophrenia (Ziedonis, George, & Adler), depression (Brown, Audrain-McGovern, & Hitsman) and anxiety (Beckham, Zvolensky, & Breslau).

Presenters: William Riley\*, Chair, NIMH; Douglas Ziedonis, UMDNJ; Richard Brown, Brown University; Jean Beckham, Duke University; and Naomi Breslau\*, Michigan State University



**10:30 a.m.-12:00 noon . . . . . Coronado Ballroom Q  
Symposium 7**

**PERSPECTIVES ON LIGHT AND INTERMITTENT SMOKING**

The National Cancer Institute and the American Legacy Foundation recently held a two-day meeting on light and intermittent smokers (LITS). The impetus of the meeting was to recognize and analyze a dramatic increase in the percentage of smokers who smoke at very low levels and/or smoke less than daily. The meeting of 30 experts summarized the state of existing knowledge regarding LITS and achieved consensus regarding recommendations for future research. This symposium will present these findings and conclusions, and stimulate discussion on this important, but understudied topic. The symposium will begin with a historical overview describing the recent growth of the LITS population and the importance of understanding this group of smokers in light of current models of smoking and addiction. The papers will cover: 1) Definitions of LITS: How do definitions of LITS vary across studies? What consensus exists on defining different subgroups of LITS (e.g., chippers, some day smokers, low level smokers); 2) Stability of LITS smoking patterns and transitions to and from light and intermittent smoking: How smokers become LITS and how often and why LITS smoking patterns change; 3) Quitting patterns among LITS smokers: What motivates LITS to quit, how successful they are at quitting, and what strategies are best for this group?; and 4) Policy and programmatic interventions that influence LITS: How do smoking restrictions and access to cessation interventions impact the smoking behavior of LITS? Following paper presentations, the moderator will present selected recommendations for future LITS research that came from the August 2005 meeting, and invite discussion and input from the audience.

*Patricia L. Mabry, Ph.D.\*., Chair, NCI/SAIC-Frederick; Speakers: Corinne Husten, M.D., M.P.H., CDC; Clark Presson, Ph.D., Arizona State University; Kolawole Okuyemi, M.D., M.P.H., University of Kansas Medical Center; and John Tauras, Ph.D., University of Illinois at Chicago; Discussant: Saul Shiffman, Ph.D., University of Pittsburgh*

**10:30 a.m.-12:00 noon . . . . . Coronado Ballroom K  
Symposium 8**

**PHYSIOLOGY, COGNITION, AFFECT AND BEHAVIOR:  
EFFECTS OF ANTI-TOBACCO ADVERTISING ON YOUTH,  
YOUNG ADULTS AND ADULTS**

There has been considerable debate about the kinds of anti-tobacco advertising that exert most benefit in preventing youth smoking uptake and promoting smoking cessation. Research on this subject is important because advertising is a relatively expensive tobacco control strategy, but with nonetheless great potential to influence population change. This symposium features four studies that use different methodologies and target groups to better understand the characteristics of advertising that most engage audiences and are associated with behavioural change. Murphy-Hoefer will present an experimental study of young adults aimed at disentangling message theme from executional features of ads, where outcomes are cognitive responses to advertisements. Strasser will present results from an experimental study of advertising message sensation value and argument strength on physiological and cognitive responses to ads among adult smokers. Biener will present a population-based study of the extent to which ads with high emotion lead to increased recall of anti-tobacco advertising among youth. Finally, Wakefield will present the

results of a population-based study of tobacco company smoking prevention advertising on youth smoking attitudes and behavior. Discussion of the studies by Nelson will focus on their design strengths and weaknesses, consistency of findings, contrasting what can be learned from experimental and population-based studies, and implications for practice and further research.

*Presenters: Melanie Wakefield, Ph.D., Chair, The Cancer Council, Victoria, Australia; David Nelson, M.D., M.P.H., Discussant, Centers for Disease Control and Prevention*

**11:00 a.m.-7:00 p.m. . . . . Coronado Ballroom L  
Exhibit Hall Open**

**12:00 noon-1:15 p.m.**

**Lunch**

Boxed Lunches Served in Coronado Ballroom L-Exhibit Hall  
(Exchange Your Lunch Ticket for a Boxed Lunch)

**12:15 p.m.-1:45 p.m.**

**Optional Workshops**

(NO FEES, No Pre-Registration Required to Participate)

**Durango I**

**Workshop 1:**

**SRNT Grant Writing: Grant Mechanisms for the Young Investigator**

*Presenters: Dennis McChargue, Ph.D., Chair, SRNT Training Committee, and Panel Members*

The SRNT Training Committee is sponsoring a workshop that addresses topics related to training and small grants. The goal of the workshop is to address grant writing for the young investigator from different perspectives. Our panel consists of NIH representatives, senior investigators involved in mentoring and evaluating training grants, and current recipients of training grants. General topics include the different grant mechanisms that are appropriate for young investigators, the inner workings and communication with NIH, strategic planning and operating as a PI for the first time.

**Coronado Ballroom Q**

**Workshop 2:**

**Science and the Courts: How Science Impacts Tobacco Litigation**

*Presenters: William A. Farone, Ph.D., Applied Power Concepts, Inc.; Jack E. Henningfield, Ph.D., Johns Hopkins University; Michael Eriksen, Sc.D., Georgia State University; Clifford Douglas, University of Michigan School of Public Health; and Matthew Myers, Campaign for Tobacco Free Kids*

Increasingly science and the litigation process are becoming more and more intertwined. The impact of major tobacco litigation events often hinge on the relevance and credibility of the science brought to bear by plaintiffs and defendants. Recent cases, such as the lawsuit by the U.S. Department of Justice against the largest U.S. tobacco companies, has raised the spectre of potentially significant verdicts that could contain major financial and non-financial remedies and penalties that



could fundamentally alter the landscape for both the tobacco industry and the tobacco control and research communities. Similarly, judicial decisions that are based on science influence public perceptions and decisions of other bodies. It is imperative, therefore, that the scientific community understand how their work effects the outcome of these important legal events. This workshop will shed light on the experiences of several individuals who have participated in such cases. Drs. William Farone and Jack Henningfield will provide their insights as scientific experts and how that expertise was used and challenged as part of their legal case work. Clifford Douglas will provide the perspective of an attorney who has been involved in tobacco-related litigation and discuss how science is viewed and used by plaintiffs and defendants to prevail in such litigation. Finally, Dr. Michael Eriksen, former director of CDC's Office on Smoking and Health, a scientist, and an expertise witness himself in several cases, will offer his views as a discussant on this panel. Matthew Myers, President of the Campaign for Tobacco Free Kids, will serve as the chair of this panel and will provide a broad overview of the importance of these litigation "events" in the context of tobacco control policy and their impact on tobacco industry behavior."

**Coronado Ballroom M  
Workshop 3:**

**Tobacco Research Using Human Subjects: Ethical Issues**

*Presenters: Mark Parascandola, Ph.D., M.P.H., National Cancer Institute; Jenny White, M.Sc., M.P.H., University of California, San Francisco; and Dorothy Hatsukami, Ph.D., University of Minnesota*

Use of human subjects plays an integral role in nicotine and tobacco research, particularly in studies of human smoking behavior and risk reduction strategies. However, such studies also present some unique challenges in the use of human subjects. Subjects may be asked to participate in research with no expected benefit to them. Additionally, informed consent can be compromised when subjects are addicted to nicotine or do not have an adequate understanding of the associated risks of their behavior. While standards and guidelines exist for human subject protection, these standards have been developed in the context of therapeutic trials rather than behavioral studies. Moreover, current federal regulations governing human subjects research (CFR Title 45 Part 46) only apply to federally-funded research or to research conducted under an FDA New Drug Application. Thus research conducted by or funded by a tobacco company may be exempt from these rules. This workshop will address key issues that arise in the use of human subjects in tobacco related research, particularly in the area of harm reduction.

Mark Parascandola will provide an introduction to human subjects regulation and address some of the challenges in applying current guidelines to behavioral research. Using internal tobacco industry documents, Jenny White will examine how one company, R.J. Reynolds, responded to concerns about human subjects protection in their own internal research program during 1985-2000, a formative period for the development of human subjects regulation. Dorothy Hatsukami will discuss human subject protection issues in testing potential reduced exposure products (PREPs) in humans, including how to convey risk to participants and the need for specific safeguards. The workshop will also provide substantial time for audience discussion.

**2:00 p.m.-3:30 p.m. . . . . Coronado Ballroom K  
Award Presentations**

*Session Chair: Neal Benowitz, Ph.D., SRNT Awards Committee Chair*

**Langley Award Address by William Corrigan, Ph.D.**

*"Nicotine Addiction: Discovery Research Then and Now"  
Introduction by Kenneth Perkins, Ph.D.*

*2006 John Slade Award Winner: Judith Wilkenfeld  
2006 Young Investigator Award: Bernard Le Foll, M.D., Ph.D.*

**3:30 p.m.-4:00 p.m. . . . . Coronado Ballroom L-Exhibit Hall  
Refreshment Break**

**4:00 p.m.-5:00 p.m. . . . . Coronado Ballroom K  
Pre-Clinical Theme Lecture: Professor Trevor Robbins**

*"Neuropsychological Models of Psychomotor Stimulant Use, Abuse and Addiction"*

*Introduction by David Balfour, Ph.D.*

**5:00 p.m.-7:00 p.m. . . . . Coronado Ballroom L  
Poster Session 2**

*Cash Bar and Light Hors d'Oeuvres*

**Saturday, February 18, 2006**

**7:00 a.m.-5:00 p.m. . . . . Coronado Ballroom Foyer -  
Cyber Café near K/L Ballrooms**

**8:00 a.m.-5:00 p.m. . . . . North Registration Desk  
Registration**

**PAPER SESSION 9-12**

**8:30 a.m.-10:00 a.m. . . . . Durango I  
Paper Session 9**

*Pharmacotherapy Trials and Mechanisms*

*Session Chairs: Jean-Francois Etter, Ph.D. and Benjamin Toll, Ph.D.*

**8:30 a.m.**

**PA9-1**

**MESSAGE FRAMING FOR SMOKING CESSATION WITH BUPROPION: A RANDOMIZED CONTROLLED TRIAL**

*Benjamin Toll, Ph.D.,\* Stephanie O'Malley, Ph.D., Nicole Katulak, B.S., Ran Wu, M.S., Joel Dubin, Ph.D., Tony George, M.D., Amy Latimer, B.S., Boris Meandzija, M.D., Peter Jatlow, M.D., Yale University; Judy Cooney, Ph.D., University of Connecticut; and Peter Salovey, Ph.D., Yale University*



8:45 a.m.

**PA9-2**

A POOLED-ANALYSIS OF VARENICLINE, AN ALPHA 4 BETA 2 NICOTINIC RECEPTOR PARTIAL AGONIST VS. BUPROPION, AN, FOR SMOKING CESSATION

*David H. Gonzales, Oregon Health & Science University; Stephen I. Rennard, University of Nebraska Medical Center; Clare B. Billing, Jr., Pfizer Global Research and Development; Karen R. Reeves, Eric Watsky, and Jason Gong, Pfizer Global Pharmaceuticals; on behalf of the Varenicline Study Group*

9:00 a.m.

**PA9-3**

EFFECT OF VARENICLINE ON CRAVING AND WITHDRAWAL SYMPTOMS

*Joseph C. Cappelleri\*, Pfizer Global Research and Development; Christine L. Baker, Pfizer Global Pharmaceuticals; Andrew G. Bushmakin, Pfizer Global Research and Development; and Karen R. Reeves, Pfizer Global Pharmaceuticals*

9:15 a.m.

**PA9-4**

INDIVIDUALIZING NICOTINE PATCH DOSE TO MATCH SMOKERS' USUAL NICOTINE INTAKE LEVELS

*Arthur J. Garvey, Ph.D.\*, Alexander H. Glassman, M.D., Huiping Jiang, Ph.D., Sally Woodring, M.A., Catherine LoDuca, B.A., Jenny Masmela, B.S., and Joshua Berman, M.D., New York State Psychiatric Institute and Columbia University*

9:30 a.m.

**PA9-5**

WILL MAINTENANCE PHARMACOTHERAPY REDUCE RELAPSE TO SMOKING?

*Lirio S. Covey, Ph.D.\*, Alexander H. Glassman, M.D., Huiping Jiang, Ph.D., Sally Woodring, M.A., Catherine LoDuca, B.A., Jenny Masmela, B.S., and Joshua Berman, M.D., New York State Psychiatric Institute and Columbia University*

9:45 a.m.

**PA9-6**

THE IMPACT OF SOURCE OF FUNDING ON RESULTS OF RANDOMIZED TRIALS OF NICOTINE REPLACEMENT THERAPY FOR SMOKING CESSATION: A META-ANALYSIS

*Jean-Francois Etter\* and Mafalda Burri, Institute of Social and Preventive Medicine, University of Geneva*

**8:30 a.m.-10:00 a.m. .... Coronado Ballroom M Paper Session 10**

Other Tobacco Use: Trends, Attitudes and Intervention

*Session Chairs: Dorothy K. Hatsukami, Ph.D. and Stephanie Y. Smith, Ph.D., M.P.H.*

8:30 a.m.

**PA10-1**

WOMEN'S TOBACCO USE IN EGYPT: CHANGES IN ATTITUDES AND PRACTICES

*Christopher A. Loffredo\*, Georgetown University; Nargis A. Labib, Cairo University; Mostafa K. Mohamed, Maged El Setouhy, Ain Shams University; and Ebenezer Israel, University of Maryland*

8:45 a.m.

**PA10-2**

SMOKERS' CHOICE: WHAT EXPLAINS THE STEADY GROWTH OF CIGAR USE IN THE US?

*Cristine D. Delnevo, Ph.D., M.P.H. and Mary Hrywna, M.P.H., UMDNJ-School of Public Health, Tobacco Surveillance & Evaluation Research Program*

9:00 a.m.

**PA10-3**

HARM PERCEPTION OF NICOTINE PRODUCTS IN COLLEGE FRESHMEN

*Stephanie Y. Smith\*, Barbara Curbow, and Fran Stillman*

9:15 a.m.

**PA10-4**

PERCEIVED RISK OF HARM FROM CIGARETTES OR SMOKELESS TOBACCO AMONG U.S. HIGH SCHOOL SENIORS

*Scott L. Tomar, D.M.D., Dr.P.H.\*, University of Florida and Dorothy Hatsukami, Ph.D., University of Minnesota*

9:30 a.m.

**PA10-5**

SMOKELESS TOBACCO REDUCTION: USE OF TOBACCO FREE SNUFF

*Dorothy K. Hatsukami, Ph.D.\*, Admanda J. Edmonds, Sharon E. Murphy, Ph.D., Xiaoyan Li, and Stephen S. Hecht, Ph.D., University of Minnesota*

9:45 a.m.

**PA10-6**

EVALUATING MOTIVATIONAL INTERVIEW PHONE SUPPORT FOR SMOKELESS TOBACCO CESSATION WITH MILITARY PERSONNEL

*Herbert H. Severson\*, Ph.D., Judith Gordon, Ph.D., Judy Andrews, Ph.D., Oregon Research Institute; Alan L. Peterson, Ph.D., Department of Psychology, Wilford Hall Medical Center, Lackland Air Force Base; and Jeff A. Cigrang, Ph.D., Mental Health Flight, Wright-Patterson Medical Center, Wright-Patterson Air Force Base*

**8:30 a.m.-10:00 a.m. .... Coronado Ballroom Q Paper Session 11**

Quitlines and Computer-Based Interventions

*Session Chairs: Paula A. Keller, M.P.H. and David J. Drobes, Ph.D.*



8:30 a.m.

PA11-1

ACUTE EFFECTS OF A BRIEF COMPUTERIZED INTERVENTION ON MOTIVATION TO QUIT AND SMOKING BEHAVIOR

David J. Drobes, Ph.D.\*, Pattie Sherman, B.A., Andrea Elibero, B.S., Thaddeus A. Herzog, Ph.D., and Thomas H. Brandon, Ph.D., Moffitt Cancer Center and Research Institute at the University of South Florida

8:45 a.m.

PA11-2

SMOKING CESSATION VIA THE INTERNET: TWO RANDOMIZED CLINICAL TRIALS OF AN INTERNET INTERVENTION FOR SMOKING CESSATION

Sandra J. Japuntich\*, Mark E. Zehner, Stevens S. Smith, Douglas E. Jorenby, Joseph A. Valdez, Michael C. Fiore, Timothy B. Baker, and David H. Gustafson, University of Wisconsin-Madison

9:00 a.m.

PA11-3

WEB-BASED SUPPORT AS AN ADJUNCT TO GROUP-BASED SMOKING CESSATION FOR ADOLESCENTS

Lindsey Turner\* and Robin Mermelstein, Institute for Health Research and Policy, UIC

9:15 a.m.

PA11-4

ORGANIZATION, FINANCING AND PROMOTION OF QUITLINES IN THE UNITED STATES - 2004

Paula A. Keller, M.P.H.\*, University of Wisconsin Center for Tobacco Research and Intervention; Linda A. Bailey, J.D., M.H.S., North American Quitline Consortium, a special program of the American Legacy Foundation; Shu-Hong Zhu, Ph.D., University of California-San Diego; and Michael C. Fiore, M.D., M.P.H., University of Wisconsin Center for Tobacco Research and Intervention

9:30 a.m.

PA11-5

WHO CALLS WHEN FREE NRT IS OFFERED: THE OREGON PATCH INITIATIVE?

Teresa M. Deprey\*, Terry Bush, Heidi Grossman, Lisa Mahoney, Tim McAfee, Susan M. Zbikowski, Free & Clear, Inc.; and Cathryn Cushing, Oregon Department of Human Services

9:45 a.m.

PA11-6

HELPING OLDER SMOKERS QUIT: THE MEDICARE STOP SMOKING PROGRAM

Raymond Niaura, Ph.D.\*, Brown Medical School; Geoffrey Joyce, Ph.D., Margaret Maglione, M.P.P., Sally Morton, Ph.D., RAND Corp.; James Coan, Pauline Lapin, Center for Medicare and Medicaid Services; Jennifer Mongoven and Carrie Larson, Qualidigm

8:30 a.m.-10:00 a.m. . . . . Coronado Ballroom K  
Paper Session 12

Adolescent Smoking Progression

Session Chairs: Linda L. Pederson, Ph.D. and Kristina Jackson, Ph.D.

8:30 a.m.

PA12-1

PSYCHOSOCIAL VARIABLES AND CHANGES IN ADOLESCENT AND YOUNG ADULT SMOKING STATUS OVER TIME: RESULTS FROM A 10-YEAR COHORT STUDY

Linda L. Pederson, Paul Mowery, CDC/OSH; and John Koval, University of Western Ontario

8:45 a.m.

PA12-2

MILESTONES IN THE NATURAL COURSE OF CIGARETTE USE ONSET IN ADOLESCENTS

Jennifer O'Loughlin, Ph.D.\*, Christina Bancej, M.Sc., McGill; Andrea Gervais, M.D., FRCP(C); Garbis Meshefedjian, Ph.D., DSP Montreal-Centre; and Michelle Tremblay, M.D., INSPQ

9:00 a.m.

PA12-3

CIGARETTE SMOKING FROM ADOLESCENCE TO YOUNG ADULTHOOD: WOMEN'S DEVELOPMENTAL TRAJECTORIES AND ASSOCIATED OUTCOMES

Joan S. Tucker, Ph.D.\*, Phyllis L. Ellickson, Ph.D., Maria Orlando, Ph.D., and David J. Klein, M.S., RAND Corporation

9:15 a.m.

PA12-4

THE TIMING OF THE EXPERIENCE OF SYMPTOMS OF NICOTINE DEPENDENCE

Denise B. Kandel, Ph.D.<sup>1,2,3</sup>, Mei-Chen, Hu, Ph.D.<sup>2</sup>, Pamela C. Griesler, Ph.D.<sup>1,3</sup>, Christine Schaffran, M.A.<sup>1,3</sup>; <sup>1</sup>Department of Psychiatry, Columbia University; <sup>2</sup>Mailman School of Public Health, Columbia University; <sup>3</sup>New York State Psychiatric Institute

9:30 a.m.

PA12-5

THE INFLUENCE OF SENSATION SEEKING, RACE/ETHNICITY AND POPULATION DENSITY ON ADOLESCENT SMOKING AND RECEPTIVITY TO AN ANTI-TOBACCO CAMPAIGN

Donna Vallone, Ph.D.\*, Jennifer Duke, Ph.D., Ella Watson-Stryker, B.A., Haijun Xiao, M.S., and Jane Allen, M.A., American Legacy Foundation

9:45 a.m.

PA12-6

TEAM SPORT PARTICIPATION BUFFERS THE EFFECT OF GENETIC PREDISPOSITION ON ADOLESCENT SMOKING PROGRESSION

Janet Audrain-McGovern\*, Ph.D., Daniel Rodriguez, Ph.D., E. Paul Wileyto, Ph.D., University of Pennsylvania; and Peter G. Shields, M.D., Georgetown University Medical Center



**10:00 a.m.-1:30 p.m. . . . . Coronado Ballroom L  
Exhibit Hall Open**

**10:00 a.m.-10:30 a.m. . . . . Coronado Ballroom L-Exhibit Hall  
Refreshment Break**

**10:30 a.m.-11:30 a.m. . . . . Coronado Ballroom K  
Public Health/Epidemiology Theme Lecture:**  
*Prabhat Jha, M.D., Ph.D.*

“Tobacco Use and Global Poverty: Evidence and Action”  
*Introduction by Kenneth Warner, Ph.D.*

**11:30 a.m.-1:30 p.m. . . . . Coronado Ballroom L  
Poster Session 3 – Rapid Response Posters**  
Box Lunch Provided  
*(Exchange Your Lunch Ticket for a Boxed Lunch)*

**SYMPOSIA 9-12**

**1:30 p.m.-3:00 p.m. . . . . Durango I  
Symposium 9**  
**IMPULSIVE BEHAVIOR: ACUTE-NICOTINE EFFECTS AND  
RELATIONS TO CIGARETTE SMOKING**

High levels of impulsivity are often associated with cigarette smoking. However, the specific causal or consequent relations between impulsive behavior and cigarette smoking have received relatively little attention. Being highly impulsive may predispose individuals to smoking, may result from smoking itself, and/or may lead to continued smoking through failed cessation attempts. Understanding these possible relations between impulsive behavior and nicotine effects or cigarette smoking is important in fully characterizing impulsivity as a risk factor for tobacco use. This symposium will present evidence from both nonhuman-animal and human laboratories on (a) acute nicotine effects on impulsive behavior; (b) different measures of impulsivity as related to cigarette-smoking status; and (c) impulsivity as a predictor of smoking-treatment outcomes. Matthew Locey and Dr. Jesse Dallery will present data from their nonhuman-animal laboratory (i.e., rat) about acute nicotine effects on temporal discounting and risky choice procedures. Dr. Suzanne Mitchell will present data from her human laboratory about acute nicotine effects among adult smokers and nonsmokers on a range of impulsive behaviors, including decision-making procedures for temporal discounting and risk taking. Dr. Brady Reynolds will present data from a new measure of temporal discounting called the Experiential Discounting Task (EDT) for adult smokers and nonsmokers. Dr. Suchitra Krishnan-Sarin will present adolescent smoking-cessation treatment research with both self-report and behavioral measures of impulsivity (including the EDT) as predictors of treatment outcomes. To conclude, Dr. Marc Potenza will serve as the discussant for this symposium and will provide an integrative overview of the talks and discuss implications for tobacco control and future research.

*Presenters: Brady Reynolds, Ph.D.\**, Chair, *The Ohio State University; Matthew Locey and Jesse Dallery, Ph.D., University of Florida; Suzanne Mitchell, Ph.D., Oregon Health & Science University; Suchitra Krishnan-Sarin, Ph.D., Yale University; Discussant: Marc Potenza, M.D., Ph.D., Yale University*

**1:30 p.m.-3:00 p.m. . . . . Coronado Ballroom K  
Symposium 10**

**NEW DATA ON GRADUAL CESSATION TREATMENTS**

Almost all cessation programs recommend abrupt rather than gradual cessation. This symposium presents a) recent surveys of smoker interest in gradual cessation; b) recent tests of behavioral methods for gradual cessation; and c) a recent test of using NRT to aid in gradual cessation. The symposium will begin with a brief overview of the history of early trials on gradual cessation and possible reasons for the lack of research on this topic (JH). We present three surveys that indicate many smokers are interested in gradual cessation on their next quit attempt (EP). We review RCTs and programmatic development of a behavioral techniques to aid in gradual cessation (PC). These trials repeatedly indicate scheduled smoking is the preferred behavioral method for reduction. We present results of the first RCT of using NRT for gradual cessation (SS). Active nicotine gum outperformed placebo gum in producing long-term abstinence. Finally, we discuss whether all programs should offer both gradual and abrupt cessation and whether NRT should be approved for use with gradual cessation (JH).

*Presenters: John Hughes\**, Chair; *Paul Cinciripini, Erica Peters, and Saul Shiffman*

**1:30 p.m.-3:00 p.m. . . . . Coronado Ballroom M  
Symposium 11**

**TOBACCO CONTROL IN A COMPLEX ADAPTIVE ENVIRONMENT: MODELING TO IMPROVE STRATEGIC PLANNING**

Tobacco use and tobacco control exists within a highly complex and adaptive system that will not be understood through randomized clinical trials, epidemiologic studies or other reductionist approaches. While reductionist science is a necessary foundation to clinical, community and policy decision-making, the analysis and modeling of complex and transdisciplinary relationships inherent in expansionist science is also needed. Recent events provide an analogy: An understanding of hurricanes as a complex phenomena is only possible by linking many types of data from many different sources and disciplines over time via complex mathematical modeling so that the nature and trajectory of the event can be projected (which allows for action to be taken to prevent human suffering and death). Similarly, improvements in informatics infrastructure, social network analyses, and modeling methodologies (e.g., econometric, statistical, geographic, and dynamic), plus knowledge gained from outside the health science disciplines (e.g., engineering, management, and physics) have the potential to significantly improve our tobacco control efforts. This symposium will explore several approaches to modeling that have the potential to identify critical research, practice and policy priorities and practices in the future.

*Presenters: Scott J. Leischow\**, Chair, *Department of Health and Human Services; David Mende, University of Michigan; John Billimek, University of California Irvine; David Levy, University of Baltimore; James Shaw, Thomas Jefferson University; \*Discussant: Kenneth Warner, University of Michigan*



**1:30 p.m.-3:00 p.m. . . . . Coronado Ballroom Q  
Symposium 12**

**SCIENCE AND THE BUILDING BLOCKS FOR TOBACCO  
PRODUCT REGULATION**

Tobacco product regulation will only succeed if it is evidence-based and grounded in science. The purpose of this panel is to highlight the central role science must play (and is playing) in the global movement toward regulation of tobacco products (along with their associated marketing, sales and promotion). This panel brings together individuals from several disciplines, including basic science and clinical research, to describe and frame for the audience how their work is or should be used in the development of regulations for tobacco products. Drs. Thomas Eissenberg and Stephen Hecht will discuss, respectively, the appropriate role(s) for clinical research methodologies and basic research approaches in the design, implementation, and evaluation of the effectiveness of tobacco product regulations. Dr. Dorothy Hatsukami will serve as the discussant for this panel and will offer her insights into how science can support tobacco product laws and regulations in the United States and globally. Mr. Mitchell Zeller, an expert in tobacco product regulation and policy development, will serve as the chair of this panel and will provide a broad overview of the key issues for the panel, including some of the unintended consequences when policy is created on incomplete or inadequate science. He will also discuss the importance of this topic in light of movements domestically in the U.S. (toward Food and Drug Administration regulation of tobacco products) and globally with the ratification of the Framework Convention on Tobacco Control.

*Presenters: Matthew Barry\*, Chair, Campaign for Tobacco Free Kids; Thomas Eissenberg, Ph.D., Virginia Commonwealth University; Stephen S. Hecht, Ph.D., University of Minnesota Cancer Center; Dorothy Hatsukami\*, Ph.D.; University of Minnesota; and Mitchell Zeller, J.D., Pinney Associates*

**3:00 p.m.-3:30 p.m. . . . . Coronado Ballroom Foyer  
Refreshment Break**

**3:30 p.m.-4:45 p.m. . . . . Coronado Ballroom K  
New Investigators Paper Session**

*Session Chair: Darlene Brunzell, B.A., Ph.D., Recipient of the 2005 Young Investigator Award*

*Presenters:  
Elizabeth Gifford, Dennis Trinidad and Cindy Tworek  
SRNT 2006 New Investigator Travel Award Recipients  
Bernard Le Foll, M.D., Ph.D., SRNT 2006 Young Investigator Award Recipient*

**3:30 p.m.**

**NI-1**

**CLINICAL IMPLICATIONS OF THE NEUROMODULATORY  
EFFECTS OF DOPAMINE: BEHAVIORAL REACTIVITY AND  
SMOKING CESSATION TREATMENT OUTCOMES**

*Elizabeth V. Gifford, Ph.D.\* and Jodie A. Trafton, Ph.D.,  
Center for Health Care Evaluation*

**3:45 p.m.**

**NI-2**

**HAS THE CALIFORNIA TOBACCO CONTROL PROGRAM  
CLOSED THE ACCULTURATION GAP IN SMOKING AMONG  
HISPANIC WOMEN?**

*Dennis Trinidad, Ph.D., Elizabeth Gilpin, M.S., Karen  
Messer, Ph.D., and John Pierce, Ph.D., University of  
California, San Diego*

**4:00 p.m.**

**NI-3**

**THE MAINE TOBACCO MEDICATION PROGRAM:  
ASSESSING PATTERNS OF USE AND SHORT-TERM  
OUTCOMES**

*Cindy Tworek\*, Ph.D., M.P.H., Susan Swartz, M.D., M.P.H.,  
and Tim Cowan, M.S.P.H., Center for Tobacco  
Independence*

**4:15 p.m.**

**NI-4**

**TARGETING CONDITIONING PROCESSES TO REDUCE  
TOBACCO SMOKING**

This year's annual SRNT meeting is the first to include a presentation by the recipient of the SRNT Young Investigator Award (formerly the SRNT New Investigator Award). Dr. Le Foll, the 2006 award recipient will deliver a 25-minute presentation on his emerging program of research. Dr. Le Foll's award will be presented to him at the Awards Presentation Session, which will be held on Friday, February 17, 2006, from 2:00 p.m. to 3:30 p.m.

*Bernard Le Foll\*, Preclinical Pharmacology Section,  
Behavioral Neuroscience Research Branch, National  
Institute on Drug Abuse, National Institutes of Health,  
Department of Health and Human Services, Baltimore,  
Maryland*

**4:45 p.m.-5:15 p.m. . . . . Coronado Ballroom K  
Closing Remarks**

*David Balfour, Ph.D., SRNT President, 2005-2006;  
Incoming President, Ellen Gritz, Ph.D.;  
2006 SRNT Program Chair, Suzanne Colby, Ph.D.;  
2007 Annual Meeting Program Chair, Eric Donny, Ph.D.*