

# 2009 Joint Conference of SRNT and SRNT-Europe

## Program

**Monday, April 27, 2009**

**3:00 p.m.-8:00 p.m. . . . . Convention Ballroom Foyer  
Registration**

**4:00 p.m.-9:00 p.m. . . . . Swift Brook Suite  
Internet Station**

**5:30 p.m.-7:00 p.m. . . . . Convention Ballroom II  
Joint Conference Welcome, Awards Recognition, and  
Lecture**

**5:30 p.m.  
Welcome by the President of SRNT-Europe**  
*Marcus Munafò, Ph.D., M.Sc.*

**5:35 p.m.  
Welcome and Opening Remarks by the President of  
SRNT**  
*Scott J. Leischow, Ph.D.*

**5:55 p.m.  
Awards**  
*Neal L. Benowitz, M.D.  
Chair, Awards Subcommittee*

**Awardees**  
**New Investigator Award Recipients**  
*Benjamin J. Apelberg, Ph.D., M.H.S., Johns Hopkins  
Bloomberg School of Public Health*  
*Kelly P. Cosgrove, Ph.D., Yale University School of  
Medicine*  
*William W. Stoops, Ph.D., University of Kentucky*

**Jarvik-Russell Award**  
*F. Joseph McClernon, Ph.D., Duke University*

**John Slade Award**  
*K. Michael Cummings, Ph.D., Roswell Park Cancer  
Institute*

**6:20 p.m.  
Langley Award**  
Do Laboratory Studies With Animals Tell Us Anything Useful  
About Tobacco Addiction?  
*David J. Balfour, B.Sc., Ph.D., University of Dundee*

**6:55 p.m.  
In Memoriam**  
*Ron Davis, M.D.  
Murray Jarvik, Ph.D.*

**7:00 p.m.-8:30 p.m. . . . . Convention Ballroom Foyer  
Welcome Reception**  
Exhibits Open  
*(cash bar and hors d'oeuvres)*

**Tuesday, April 28, 2009**

**7:00 a.m.-9:00 p.m. . . . . Swift Brook Suite  
Internet Station**

**7:30 a.m.-5:00 p.m. . . . . Convention Ballroom Foyer  
Registration Open**

**8:30 a.m.-9:30 a.m. . . . . Convention Ballroom II  
Keynote Lecture**

Behavioural Support for Smokers: What is the Target and What  
Tools Have We Got for Reaching It?  
*Peter Hajek, Ph.D., M.A., CClinPsych  
Professor of Clinical Psychology, Wolfson Institute of  
Preventive Medicine, Barts and The London, Queen Mary's  
School of Medicine and Dentistry, London, England*

**9:30 a.m.-6:45 p.m. . . . . Convention Ballroom Foyer  
Exhibits Open**

**9:30 a.m.-10:00 a.m. . . . . Convention Ballroom Foyer  
Refreshment Break**

**10:00 a.m.-11:15 a.m.  
Paper Sessions**

**10:00 a.m.-11:15 a.m. . . . . Ballroom I  
Paper Session 1: An International Perspective on Smoke-  
Free Policies**  
*Session Chairs: Roberta Ferrence, Ph.D. and Mike  
Cummings, Ph.D.*

**10:00 a.m.-10:15 a.m.  
PA1-1  
ANTI-CONTRABAND POLICIES: EVIDENCE FOR BETTER  
PRACTICE**  
*Robert Schwartz\* and Jeff Sweeting, Ontario Tobacco  
Research Unit, University of Toronto*

**10:15 a.m.-10:30 a.m.  
PA1-2  
EFFECT OF THE IRISH SMOKEFREE LEGISLATION ON  
SMOKING BEHAVIOUR AMONG BAR WORKERS**  
*Bernie J. Mullally, M.A.<sup>1</sup>, Birgit A. Greiner, Ph.D.<sup>1</sup>, Ivan J.  
Perry, Ph.D.<sup>1</sup>, Shane P. Allwright, Ph.D.\*<sup>2</sup>, and Gillian M.  
Paul, M.Sc.<sup>2</sup>, <sup>1</sup>National University of Ireland, Cork; <sup>2</sup>Trinity  
College, Dublin*

**10:30 a.m.-10:45 a.m.  
PA1-3  
WHAT DO SMOKERS SMOKE WHEN "LIGHT" AND "MILD"  
DESCRIPTORS ARE REMOVED FROM CIGARETTE  
PACKAGES?**  
*Joanna E. Cohen, Ph.D.\* , Rita Luk, M.A., Roberta  
Ferrence, Ph.D., Susan J. Bondy, Ph.D., Paul W.  
McDonald, Ph.D., J. Charles Victor, M.Sc., and John  
M. Garcia, Ph.D., Ontario Tobacco Research Unit*

**10:45 a.m.-11:00 a.m.  
PA1-4  
SUPPORT FOR SMOKE FREE POLICIES AMONG  
SMOKERS AND NON-SMOKERS IN SIX CITIES IN  
CHINA: FINDINGS FROM ITC CHINA**

*Qiang Li<sup>1</sup>, Yuan Jiang<sup>2</sup>, Lin Du<sup>3</sup>, Xun Li<sup>4</sup>, Lin Li<sup>5</sup>, Andrew  
Hyland\*<sup>6</sup>, and Geoffrey T. Fong<sup>1</sup>, <sup>1</sup>University of Waterloo;  
<sup>2</sup>Chinese Centers for Disease Control and Prevention;  
<sup>3</sup>Guangzhou Center for Disease Control and Prevention;  
<sup>4</sup>Shenyang Center for Disease Control and Prevention;  
<sup>5</sup>Cancer Council Victoria; <sup>6</sup>Roswell Park Cancer Institute*

# April 27-30, 2009 ♣ Saggart ♣ Dublin Countryside ♣ Ireland

11:00 a.m.-11:15 a.m.

**PA1-5**

SUPPORT AND CORRELATES OF SUPPORT FOR BANS ON SMOKING IN CARS WITH CHILDREN IN CANADA, THE UNITED STATES, THE UNITED KINGDOM, AND AUSTRALIA: FINDINGS FROM THE 2007 WAVE OF THE ITC FOUR COUNTRY SURVEY

*Sara Hitchman<sup>\*1</sup>, Mark Travers<sup>2</sup>, Andrew Hyland<sup>2</sup>, Mark Zanna<sup>1</sup>, Maansi Travers<sup>2</sup>, and Geoff Fong<sup>1</sup>, <sup>1</sup>University of Waterloo; <sup>2</sup>Roswell Park Cancer Institute*

**10:00 a.m.-11:15 a.m. . . . . Convention Ballroom II**  
**Paper Session 2: Enhancing Clinical Treatment of Tobacco Dependence**

*Session Chair: Brian Hitsman, Ph.D. and Jennifer I. Vidrine, Ph.D.*

10:00 a.m.-10:15 a.m.

**PA2-1**

EXTENDED TREATMENT OF OLDER SMOKERS

*Sharon M. Hall, Ph.D., Gary L. Humfleet, Ph.D., Ricardo F. Munoz, Ph.D., Victor I. Reus, M.D., Judith J. Prochaska, Ph.D., M.P.H., and Julie A. Robbins, M.A.*

10:15 a.m.-10:30 a.m.

**PA2-2**

PROVISION OF COMPREHENSIVE SMOKING CESSATION CARE TO SURGICAL PATIENTS: THE CASE FOR ROUTINE CLINICAL DELIVERY

*John Wiggers<sup>\*1</sup>, Luke Wolfenden<sup>2</sup>, and Jenny Bowman<sup>1</sup>, <sup>1</sup>University of Newcastle, Australia; <sup>2</sup>Hunter New England Health Service*

10:30 a.m.-10:45 a.m.

**PA2-3**

42 MG/DAY PRE-CESSATION NICOTINE PATCH TREATMENT FOR HIGHLY DEPENDENT SMOKERS

*Jed E. Rose<sup>\*</sup>, Frederique M. Behm, Joseph E. Herskovic, and Eric C. Westman, Duke University*

10:45 a.m.-11:00 a.m.

**PA2-4**

EFFICACY OF THREE SINGLE AND TWO COMBINATION PHARMACOTHERAPIES AMONG DAILY SMOKERS: A RANDOMIZED PLACEBO-CONTROLLED CLINICAL TRIAL

*Megan E. Piper, Ph.D.<sup>\*</sup>, Stevens S. Smith, Ph.D., Tanya R. Schlam, Ph.D., Michael C. Fiore, M.D., M.P.H., Douglas E. Jorenby, Ph.D., David Fraser, M.S., and Timothy B. Baker, Ph.D., University of Wisconsin*

11:00 a.m.-11:15 a.m.

**PA2-5**

EFFECTIVENESS OF MOOD MANAGEMENT THERAPY AS AN ADJUNCT TO A TELEPHONE COUNSELING SMOKING CESSATION INTERVENTION FOR SMOKERS WITH PAST MAJOR DEPRESSION: A RANDOMISED CONTROLLED TRIAL

*Regina M. van der Meer, M.P.H.<sup>\*1</sup>, Marc C. Willemsen, Ph.D.<sup>1</sup>, Filip Smit, Ph.D.<sup>2</sup>, Pim Cuijpers<sup>2</sup>, and Gerard M. Schippers<sup>3</sup>, <sup>1</sup>STIVORO for a Smokefree Future; <sup>2</sup>VU University Amsterdam; <sup>3</sup>University of Amsterdam*

**10:00 a.m.-11:15 a.m. . . . . Newcastle Suite**  
**Paper Session 3: Recent Insights from Rodent Studies**

*Session Chairs: David J. Balfour, B.Sc., Ph.D. and Athina Markou, Ph.D.*

10:00 a.m.-10:15 a.m.

**PA3-1**

DISCOVERY OF NOVEL SUBTYPE-SELECTIVE NICOTINIC RECEPTOR ANTAGONISTS AS POTENTIAL THERAPEUTIC AGENTS FOR SMOKING CESSATION

*Andrew M. Smith<sup>1</sup>, Marharyta Pivavarchyk<sup>1</sup>, Tom E. Wooters<sup>2</sup>, Zhenfa Zhang<sup>1</sup>, Guangrong Zheng<sup>1</sup>, J. Michael McIntosh<sup>3</sup>, Peter A. Crooks<sup>1</sup>, Michael T. Bardo<sup>2</sup>, and Linda P. Dwoskin<sup>1</sup>, <sup>1</sup>Department of Pharmaceutical Sciences, University of Kentucky College of Pharmacy, Lexington; <sup>2</sup>Department of Psychology, University of Kentucky, Lexington; <sup>3</sup>Departments of Psychiatry and Biology, University of Utah, Salt Lake City*

10:15 a.m.-10:30 a.m.

**PA3-2**

BEHAVIOURAL STUDIES WITH THE ACTIVE METABOLITE HYDROXYBUPROPION ON THE POSITIVE REINFORCING AND AVERSIVE STIMULUS PROPERTIES OF NICOTINE IN RATS

*Mohammed Shoaib<sup>\*</sup>, Emma Malcolm, Bruce Blough, and Ivy Carroll, Psychobiology Research Laboratories, Institute of Neuroscience, Newcastle University, Newcastle; Research Triangle Institute, NC*

10:30 a.m.-10:45 a.m.

**PA3-3**

ADOLESCENT VS. ADULT DIFFERENTIAL NEUROCHEMICAL RESPONSE TO ACUTE NICOTINE CHALLENGE IN RATS

*Donnie Eddins, Ph.D., Ann Petro, M.S., and Edward D. Levin, Ph.D.<sup>\*</sup>, Department of Psychiatry and Behavioral Sciences, Duke University Medical Center, Durham, NC*

10:45 a.m.-11:00 a.m.

**PA3-4**

DELETION OF THE BETA4 NICOTINIC RECEPTOR SUBUNIT ENHANCES TOLERANCE DEVELOPMENT FOLLOWING CHRONIC NICOTINE TREATMENT

*Michael J. Marks<sup>\*</sup>, Erin E. Meyers, and Allan C. Collins, Institute for Behavioral Genetics, University of Colorado, Boulder*

11:00 a.m.-11:15 a.m.

**PA3-5**

OVERSHADOWING AND BLOCKING OF APPETITIVE CONDITIONING BY THE INTEROCEPTIVE STIMULUS EFFECTS OF NICOTINE

*Jennifer E. Murray<sup>\*</sup>, Nicole R. Wells, and Rick A. Bevins, Department of Psychology University of Nebraska, Lincoln, NE*

**10:00 a.m.-11:15 a.m. . . . . Rathcoole Suite**  
**Paper Session 4: Acting on Impulse: Impulsivity and Smoking**

*Session Chairs: James MacKillop, Ph.D., M.B., Ch.B. and Marcus Munafò, Ph.D., M.Sc.*

10:00 a.m.-10:15 a.m.

**PA4-1**

fMRI STUDIES OF IMPULSIVITY AND TREATMENT OUTCOME IN ADDICTION

*Marc N. Potenza, M.D., Ph.D.<sup>\*</sup>, Departments of Psychiatry and Child Study Center, Yale University School of Medicine*

# 2009 Joint Conference of SRNT and SRNT-Europe

**10:15 a.m.-10:30 a.m.**

**PA4-2**

DOES DELAY DISCOUNTING PLAY AN ETIOLOGICAL ROLE IN SMOKING OR IS IT A CONSEQUENCE OF SMOKING?

*Janet Audrain-McGovern, Ph.D.\**, Daniel Rodriguez, Ph.D., Jocelyn Cuevas, B.A., Kelli Rodgers, B.A., and E. Paul Wileyto, Ph.D., Department of Psychiatry, University of Pennsylvania

**10:30 a.m.-10:45 a.m.**

**PA4-3**

BEHAVIORAL AND PHARMACOLOGICAL ANALYSIS OF METHYLPHENIDATE-INDUCED INCREASES IN CIGARETTE SMOKING: FINDINGS FROM THE HUMAN LABORATORY

*Andrea Rae Vansickel\*<sup>1,2</sup>*, William W. Stoops<sup>2</sup>, Megan M. Poole<sup>1,2</sup>, Paul E.A. Glaser<sup>3</sup>, and Craig R. Rush<sup>1,2,3</sup>, <sup>1</sup>University of Kentucky, Department of Psychology; <sup>2</sup>University of Kentucky, Department of Behavioral Science; <sup>3</sup>University of Kentucky, Department of Psychiatry

**10:45 a.m.-11:00 a.m.**

**PA4-4**

ACUTE NICOTINE EFFECTS ON IMPULSIVITY IN ADULT ADHD AND CONTROL SUBJECTS

*Alexandra S. Potter\**, Katherine K. Ryan, and Paul A. Newhouse, Clinical Neuroscience Research Unit, Department of Psychiatry, University of Vermont College of Medicine

**11:00 a.m.-11:15 a.m.**

**PA4-5**

BASELINE CHARACTERISTICS AND ACUTE ABSTINENCE EFFECTS DIFFERENTIATE ADULT SMOKERS WITH AND WITHOUT ATTENTION DEFICIT HYPERACTIVITY DISORDER (ADHD)

*Scott H. Kollins, Ph.D.\** and F. Joseph McClernon, Ph.D., Duke University Medical Center

**10:00 a.m.-11:15 a.m. . . . . Ballroom II  
Paper Session 5: Teens and Tobacco: What They Do and What to Do**

*Session Chairs: Ann McNeill, B.Sc., Ph.D. and Daniel Rodriguez, Ph.D.*

**10:00 a.m.-10:15 a.m.**

**PA5-1**

MULTI-LEVEL PREDICTORS OF SUCCESSFUL QUITTING BEHAVIOR AMONG ADOLESCENTS IN COMMUNITY-BASED SMOKING CESSATION PROGRAMS

*Susan J. Curry\*<sup>1</sup>*, Sherry Emery<sup>2</sup>, Robin Mermelstein<sup>2</sup>, Amy K. Sporer<sup>2</sup>, Julia Lee<sup>2</sup>, Eisuke Segawa<sup>2</sup>, Oksana Pugach<sup>2</sup>, and Michael Berbaum<sup>2</sup>, <sup>1</sup>University of Iowa College of Public Health; <sup>2</sup>University of Illinois at Chicago, Institute for Health Policy and Research

**10:15 a.m.-10:30 a.m.**

**PA5-2**

GENDER DIFFERENCES AND CHANGES IN THE PREVALENCES OF SUBSTANCE USE AMONG CANADIAN YOUTH: EXAMINING DATA FROM THE 2002, 2004 AND 2006 CANADIAN YOUTH SMOKING SURVEY (YSS)

*Scott Leatherdale\*<sup>1</sup>* and Rashid Ahmed<sup>2</sup>, <sup>1</sup>Cancer Care Ontario; <sup>2</sup>University of Waterloo

**10:30 a.m.-10:45 a.m.**

**PA5-3**

EXPECTANCIES AND ADOLESCENTS' ACUTE NEGATIVE AFFECT CHANGE FOLLOWING SMOKING: IS THERE A FEEDBACK LOOP?

*Peter J. Colvin\* and Robin J. Mermelstein, Ph.D.*, The University of Illinois at Chicago

**10:45 a.m.-11:00 a.m.**

**PA5-4**

STRATEGIES USED SPONTANEOUSLY BY TEENS TO QUIT SMOKING

*Ali M. Yurasek, M.A.\**, Leslie A. Robinson, Ph.D., Ashley A. Jackson B.S., and Khatidja S. Ali, M.A., The University of Memphis

**11:00 a.m.-11:15 a.m.**

**PA5-5**

SMOKING TEENS: PSYCHOSOCIAL COMPLEXITIES IMPACT INTERVENTION RESEARCH

*Pamela J. Murray, M.D., M.P.H.\*<sup>1</sup>*, Julie M. Longo, M.A.<sup>1</sup>, Melissa A. Jones, M.P.H.<sup>1</sup>, Jonathan R. Pletcher, M.D.<sup>1</sup>, Deborah R. Moss, M.D., M.P.H.<sup>1</sup>, and Janet Audrain-McGovern, Ph.D.<sup>2</sup>, <sup>1</sup>Children's Hospital of Pittsburgh of the University of Pittsburgh Medical Center; <sup>2</sup>University of Pennsylvania

**10:00 a.m.-11:15 a.m. . . . . Alexander Room, Golf House  
Paper Session 6: Ethnicity and Smoking**

*Session Chairs: Belinda Borrelli, Ph.D. and Lisa Sanderson Cox, Ph.D.*

**10:00 a.m.-10:15 a.m.**

**PA6-1**

GENDER, RACE, AND EDUCATION DIFFERENCES IN ABSTINENCE RATES AMONG PARTICIPANTS IN A RANDOMIZED PLACEBO-CONTROLLED SMOKING CESSATION TRIAL

*Megan E. Piper, Ph.D.\**, Stevens S. Smith, Ph.D., Tanya R. Schlam, Ph.D., Michael C. Fiore, M.D., M.P.H., Douglas E. Jorenby, Ph.D., David Fraser, M.S., and Timothy B. Baker, Ph.D., University of Wisconsin

**10:15 a.m.-10:30 a.m.**

**PA6-2**

A FAMILY APPROACH FOR TOBACCO CONTROL IN AFRICAN-AMERICANS

*Martha S. Tingen, Ph.D., R.N.\*<sup>1</sup>*, Jeannette O. Andrews, Ph.D., APRN-BC<sup>2</sup>, Janie Heath, Ph.D., APRN, FAAN<sup>1</sup>, Matthew C. Humphries, M.S.<sup>1</sup>, Donavon L. Reimche, M.H.E.<sup>1</sup>, Sheree G. Cartee, B.S.<sup>1</sup>, Ashley M. Williams, B.A.<sup>1</sup>, Sandra B. Inglett, B.S.N., R.N.<sup>1</sup>, Jennifer L. Waller, Ph.D.<sup>1</sup>, and Frank A. Treiber, Ph.D.<sup>1</sup>, <sup>1</sup>Medical College of Georgia; <sup>2</sup>Medical University of South Carolina

**10:30 a.m.-10:45 a.m.**

**PA6-3**

THE INFLUENCE OF RISK PERCEPTION ON SMOKING CESSATION AMONG LATINO LIGHT AND HEAVY SMOKERS

*Rashelle B. Hayes, Ph.D.\**, and Belinda Borrelli, Ph.D., Centers for Behavioral and Preventive Medicine, The Miriam Hospital, and Warren Alpert Brown University Medical School

10:45 a.m.-11:00 a.m.

PA6-4

DIFFERING MEASURES OF NICOTINE DEPENDENCE DO NOT OVERLAP IN AFRICAN-CANADIAN SMOKERS

*Rachel F. Tyndale\* and Jill Mwenifumbo, Centre for Addiction and Mental Health and Department of Pharmacology, University of Toronto*

11:00 a.m.-11:15 a.m.

PA6-5

SMOKING BEHAVIOR AND BIOMARKERS OF EXPOSURE IN AFRICAN-AMERICAN AND WHITE SMOKERS

*Neal L. Benowitz, M.D., and Peyton Jacob, III, Ph.D., University of California at San Francisco*

11:30 a.m.-1:00 p.m. . . . . Convention Ballroom I  
Poster Session 1: Policy and Epidemiology

Exhibits Open

Boxed Lunches (pick up your boxed lunch in the Kingswood Suite – be sure to bring your ticket.)

1:00 p.m.-2:30 p.m.

Symposia

1:00 p.m.-2:30 p.m. . . . . Ballroom  
Symposium 1

BIOBEHAVIORAL MECHANISMS OF SEX DIFFERENCES IN NICOTINE ADDICTION: A TRANSLATIONAL PERSPECTIVE

*Chair: Cora Lee Wetherington, Ph.D.<sup>1</sup>  
Presenters: Sakire Pogun<sup>2</sup>, Kenneth A. Perkins<sup>3</sup>, Kelly Cosgrove<sup>5</sup>, and Caryn Lerman<sup>4</sup>*

*Discussant: Dorothy K. Hatsukami, Ph.D.<sup>\*6</sup>  
<sup>1</sup>National Institute on Drug Abuse; <sup>2</sup>Ege University Center for Brain Research; <sup>3</sup>University of Pittsburgh; <sup>4</sup>University of Pennsylvania; <sup>5</sup>Yale University School of Medicine & VACHS; <sup>6</sup>University of Minnesota*

Over recent decades the decline in smoking has been much slower in females than in males. Females are less successful than males at quitting: they have higher relapse rates, relapse more quickly, and have a poorer response to nicotine replacement therapies. The overall public health burden due to smoking is higher for women than men, especially given adverse consequences of maternal smoking both prenatally and during the early childhood years. This symposium will present an array of biobehavioral perspectives on mechanisms of sex differences in nicotine addiction with a view toward translation to sex-based prevention and treatment efforts. The session will begin with Dr. Pogun's preclinical rodent studies describing sex differences in central and behavioral effects of nicotine, including reinforcing and motivational differences, sex differences in adolescents versus adults, and the role of estrogen. Next, Dr. Perkins will present data showing sex differences in phenotype and genotype variables that moderate nicotine sensitivity in non-smokers, sex differences in the relation between the DRD4 gene and smoking reinforcement in smokers, and sex differences in modulation of nicotine patch effectiveness by use of monetary reinforcement of smoking abstinence. Then, Dr. Staley will present male and female data from her study of beta\*2-nAChR availability using SPECT and the nicotinic agonist radiotracer [123I]5-IA-85380 ([123I]5-IA) in never smokers and smokers at various time points over prolonged abstinence, including data on the association between rate of receptor normalization and depression scores. Next, Dr. Lerman will present human behavioral pharmacology data showing sex differences in the relation between a functional genetic variant in the mu opioid gene (OPRM1 Asp40) and the

reinforcing value of nicotine, as well as other data supporting sex by genotype interactions in smoking cessation and treatment response. And finally, Dr. Hatsukami will provide a discussion of the relationships among these findings, their contributions to understanding sex differences in nicotine addiction, and their implications for sex-based interventions and future research.

1:00 p.m.-2:30 p.m. . . . . Newcastle Suite  
Symposium 2

SMOKELESS TOBACCO FOR SMOKERS: SCIENCE AND FUTURE DIRECTIONS

*Chair: Dorothy K. Hatsukami, Ph.D.<sup>\*1</sup>  
Presenters: Lois Biener, Ph.D.<sup>\*2</sup>, Vaughan Rees, Ph.D.<sup>3</sup>, and Rich O'Connor, Ph.D.<sup>4</sup>  
Discussant: Ann McNeil, B.Sc., Ph.D.<sup>\*5</sup>  
<sup>1</sup>University of Minnesota; <sup>2</sup>University of Massachusetts;  
<sup>3</sup>Harvard University; <sup>4</sup>Roswell Park Cancer Institute;  
<sup>5</sup>University of Nottingham*

In the U.S., major cigarette companies have been acquiring smokeless tobacco companies, and manufacturing smokeless tobacco products or snus. The snus products are targeted towards the cigarette smoker as a method for dealing with smoke-free environments and may consequently undermine some smokers' motivation for cessation. While the prevalence of smoking has been declining in the U.S., the smokeless tobacco market and use has been increasing. In spite of these trends, little research to date has been conducted on understanding the motive of the tobacco companies in introducing these novel smokeless tobacco products for the smoker, the consumer perception of these products, whether these products are preferred over medicinal nicotine and the effects of these products on cessation. Progress in these areas is necessary to circumvent any potential harm to public health. This symposium will present new research in these areas. Dr. Vaughn Rees will be presenting industry acquisition, sales, marketing and media data and toxicant analysis to determine the intent of current smokeless tobacco marketing efforts. Dr. Lois Biener will present data from a population survey that describes the receptivity of the population to snus products, how the consumer perceives them and predictors of snus uptake. Dr. Richard O'Connor will be presenting data from a trial that examines product choice behaviors across various nicotine containing products (e.g., medicinal nicotine, oral tobacco lozenge and snus), after receiving information about the harms of these products relative to cigarettes. Dr. Dorothy Hatsukami will describe her studies on toxicant uptake across various products and the results from her recent study examining the effects of snus products with relatively low and high nicotine levels versus medicinal nicotine on cessation. Dr. Ann McNeill, the discussant, will describe the implications from these studies and future directions.

1:00 p.m.-2:30 p.m. . . . . Rathcoole Suite  
Symposium 3

TOBACCO USE, CESSATION, AND RELAPSE IN CANCER PATIENTS

*Chair: Vani Nath Simmons, Ph.D.<sup>\*1</sup>  
Presenters: Sonia A. Duffy, Ph.D., R.N.<sup>2</sup>, Jamie Ostroff, Ph.D.<sup>3</sup>, and Michelle Cororve Fingeret, Ph.D.<sup>4</sup>  
Discussant: Ellen Gritz, Ph.D.<sup>\*4</sup>  
<sup>1</sup>Moffitt Cancer Center; <sup>2</sup>University of Michigan & Veterans Affairs Center for Clinical Management Research; <sup>3</sup>Memorial Sloan-Kettering; <sup>4</sup>University of Texas M.D. Anderson Cancer Center*

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The relationship between smoking and cancer is well established. Cigarette smoking accounts for 85% of head and neck cancers and 90% of lung cancer cases. In addition to the evidence that smoking causes cancer, continued smoking after an individual has been diagnosed with cancer is related to a myriad of detrimental health effects (e.g., risk of developing a second primary cancer or other smoking related diseases). Research suggests that cancer patients are highly motivated to quit smoking; thus efforts aimed at increasing tobacco cessation and maintaining smoking abstinence among this population could have a significant public health impact. The goal of this symposium is to present new findings with the cancer patient population that further elucidates the critical need for effective smoking interventions and suggests unique targets and forms of cessation and relapse interventions for cancer patients. Dr. Sonia Duffy will present recent data from a large (N = 811) longitudinal study with head and neck cancer patients examining the impact of smoking on medical outcomes and quality of life. She will also discuss novel findings regarding the interrelationship between smoking and other co-occurring health behaviors on outcomes. Dr. Michelle Cororve Fingeret will present work examining the relationship between smoking and body image among surgically treated oral cancer patients. She will describe data on the varied patterns of body image concerns for smokers vs. non-smokers as a potentially important consideration in developing future smoking cessation treatments with oral cancer patients. Dr. Jamie Ostroff will present outcome data from a pre-surgical, randomized, smoking cessation trial with newly diagnosed cancer patients comparing enhanced usual care (EUC) and EUC + Scheduled Reduced Smoking. Dr. Vani Simmons will present qualitative and quantitative data from a study on smoking relapse among lung cancer and head/neck cancer patients including patient and provider perspectives on smoking relapse and rates and predictors of smoking relapse post-surgery. Dr. Ellen Gritz, a leading expert on smoking cessation in cancer patients, will serve as the discussant.

## 1:00 p.m.-2:30 p.m. . . . . Convention Ballroom II Symposium 4

THE NEXT GENERATION OF INVESTIGATORS: NOVEL APPROACHES TO AN OLD PROBLEM

*Chair: Robert E. Sorge<sup>\*1</sup>*

*Presenters: Sean P. Barrett<sup>2</sup>, Anne-Noël Samaha<sup>3</sup>, Paul J. Kenny<sup>4</sup>, Matthew I. Palmatier<sup>5</sup>, and Darlene H. Brunzell<sup>6</sup>*

*Discussant: Robert E. Sorge<sup>1</sup>*

*<sup>1</sup>McGill University; <sup>2</sup>Dalhousie University; <sup>3</sup>University of Montreal; <sup>4</sup>Scripps Institute; <sup>5</sup>Kansas State University;*

*<sup>6</sup>Virginia Commonwealth University*

Smoking is a highly pervasive addiction in society, but there is still much to learn about the mechanisms through which nicotine contributes to smoking addiction. This symposium will be presented by emerging young investigators whose work is starting to have an impact on thinking about how nicotine contributes to tobacco addiction. The speakers will offer new findings about the rewarding effects of nicotine and will present evidence concerning a role for nicotine and nicotinic receptors in motivation. Sean Barrett (Dalhousie University) will begin by discussing the role of nicotine and non-nicotine factors in the self-administration and subjective effects of cigarettes in human smokers. Dr. Anna-Noël Samaha (University of Montreal) will describe how the speed of nicotine delivery is critical to the development of behavioural sensitisation to nicotine in animals, and also to the neurochemical effects of these infusions. Paul Kenny (Scripps Institute) will then present data regarding the nature of orexin transmission within the insula of the rat brain and the possible ways in which disruption of the orexin system could affect the

rewarding effects of nicotine. Matthew Palmatier (Kansas State University) will begin the next component of this symposium by presenting new data suggesting that nicotine increases the motivation to obtain sucrose without altering sucrose palatability in rats. Darlene Brunzell (Virginia Commonwealth University) will then speak on the contributions of the nicotinic receptor subunits to an addiction phenotype. Finally, the discussant, Robert Sorge (McGill University), will briefly summarize research questions addressed and lead a discussion about the questions to be addressed in the future.

*Symposium 5 has been moved to Thursday, April 30, 2009.*

## 2:30 p.m.-3:00 p.m. . . . . Convention Ballroom Foyer Refreshment Break

## 3:00 p.m.-4:00 p.m. . . . . Convention Ballroom II Policy Theme Lecture

If You're Already There, How Can You Go Any Farther: Future Directions in Tobacco Control Policy

*Kenneth E. Warner, Ph.D.*

*Dean and Avedis Donabedian Distinguished University Professor, School of Public Health, and Director, Tobacco Research Network, University of Michigan, Ann Arbor, MI*

## 4:00 p.m.-5:15 p.m. . . . . Convention Ballroom II New Investigator Award Paper Session

*Session Chair: Neal L. Benowitz, M.D., Ph.D.*

### 4:00 p.m.-4:15 p.m.

COTININE LEVELS AND MENTHOL CIGARETTE USE AMONG BLACK AND WHITE SMOKERS IN NHANES 2003-2006

*Benjamin J. Apelberg<sup>\*</sup>, Ph.D., M.H.S., Lisa M. Hepp, M.P.H., Erika Avila-Tang, Ph.D., M.H.S., Sungroul Kim, Ph.D., and Jonathan M. Samet, M.D., M.S., Institute for Global Tobacco Control, Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health*

### 4:15 p.m.-4:30 p.m.

DOPAMINE AND SEROTONIN TRANSPORTER AVAILABILITY DURING ACUTE ALCOHOL WITHDRAWAL: EFFECTS OF COMORBID TOBACCO SMOKING

*Kelly P. Cosgrove, Ph.D.<sup>\*1,2</sup>, Erica Krantzler<sup>1,2</sup>, Erin B. Frohlich, M.S.<sup>1,2</sup>, Stephanie Stiklus, B.A.<sup>1,2</sup>, Brian Pittman, M.S.<sup>1</sup>, Gilles D. Tamagnan, Ph.D.<sup>1,3</sup>, Ronald M. Baldwin, Ph.D.<sup>1,2</sup>, Frederic Bois, Ph.D.<sup>1,2</sup>, John P. Seibyl, M.D.<sup>1,3</sup>, John H. Krystal, M.D.<sup>1,2</sup>, Stephanie S. O'Malley, Ph.D.<sup>1</sup>, and Julie K. Staley, Ph.D.<sup>1,2</sup>*

*<sup>1</sup>Yale University School of Medicine; <sup>2</sup>VA Connecticut Healthcare System; <sup>3</sup>Institute for Neurodegenerative Disorders*

### 4:30 p.m.-4:45 p.m.

INTERNET-BASED ABSTINENCE REINFORCEMENT IN RURAL KENTUCKY SMOKERS

*William Stoops<sup>\*1</sup>, Jesse Dallery<sup>2</sup>, Nancy Schoenberg<sup>1</sup>, Nell Fields<sup>1</sup>, Catherine Martin<sup>1</sup>, Baretta Casey<sup>1</sup>, and Conrad Wong<sup>3</sup>, <sup>1</sup>University of Kentucky; <sup>2</sup>University of Florida; <sup>3</sup>Eli Lilly and Company*

### 4:45 p.m.-5:10 p.m.

WHY DO SMOKERS RELAPSE?

*Joseph McClernon, Ph.D., Duke University Medical Center*

# April 27-30, 2009 ♣ Saggart ♣ Dublin Countryside ♣ Ireland

This year's recipient of the 2009 Jarvik-Russell Award (formerly the SRNT Young Investigator Award) is Dr. Joseph McClernon. Dr. McClernon will deliver a 25-minute lecture on his emerging program of research. Dr. McClernon's award will be presented to him at the Welcome and Awards Ceremony, which will be held on Monday, April 27 from 5:30 p.m.-7:00 p.m.

**5:15 p.m.-6:45 p.m. . . . . Convention Ballroom I**  
**Poster Session 2: Clinical Research**

## Wednesday, April 29, 2009

**7:00 a.m.-9:00 p.m. . . . . Swift Brook Suite**  
**Internet Station**

**7:30 a.m.-8:30 a.m. . . . . Ballroom I**  
**SRNT Members' Meeting**  
*(Open to all SRNT members)*

**8:00 a.m.-5:00 p.m. . . . . Convention Ballroom Foyer**  
**Registration**

**8:30 a.m.-9:45 a.m.**  
**Paper Sessions**

**8:30 a.m.-9:45 a.m. . . . . Rathcoole Suite**  
**Paper Session 7: Cues Looking at Me**  
*Session Chairs: David J. Drobes, Ph.D. and Eric C. Donny, Ph.D.*

**8:30 a.m.-8:45 a.m.**  
**PA7-1**  
GENDER DIFFERENCES IN REACTIVITY TO SMOKING AND STRESS CUES

*Michael E. Saladin, Ph.D.<sup>1,3\*</sup>, Matthew J. Carpenter, Ph.D.<sup>1,2</sup>, Kevin M. Gray, M.D.<sup>1</sup>, Stacia M. DeSantis, Ph.D.<sup>4</sup>, and Himanshu P. Upadhyaya, M.B.B.S., B.S.<sup>1</sup>,  
<sup>1</sup>Medical University of South Carolina (MUSC), Department of Psychiatry & Behavioral Sciences, Clinical Neuroscience Division; <sup>2</sup>MUSC, Hollings Cancer Center; <sup>3</sup>MUSC, Department of Health Sciences and Research; <sup>4</sup>MUSC, Department of Biostatistics, Bioinformatics, and Epidemiology*

**8:45 a.m.-9:00 a.m.**  
**PA7-2**  
NEURAL RESPONSES ASSOCIATED WITH REWARD SENSITIVITY IN CIGARETTE SMOKERS

*Laura E. Martin\*, Lisa Sanderson Cox, Rebecca Chambers, and Cary R. Savage, University of Kansas Medical Center*

**9:00 a.m.-9:15 a.m.**  
**PA7-4**  
ALCOHOL-ELICITED CRAVINGS TO SMOKE: CUES AND CONSUMPTION

*Jason A. Oliver, B.A. \*, Christina Reichert, H.S., David E. Evans, Ph.D., and David J. Drobes, Ph.D., University of South Florida and the Moffitt Cancer Center*

**9:15 a.m.-9:30 a.m.**  
**PA7-5**  
THE EFFECTS OF ACUTE EXERCISE ON ATTENTIONAL BIASES TO SMOKING-RELATED STIMULI DURING TEMPORARY ABSTINENCE FROM SMOKING

*Kate Janse Van Rensburg, M.Sc.<sup>\*1</sup>, Adrian H. Taylor, Ph.D.<sup>1</sup>, and Tim L. Hodgson, Ph.D.<sup>2</sup>, <sup>1</sup>School of Sport and Health Sciences, University of Exeter; <sup>2</sup>School of Psychology, University of Exeter*

**9:30 a.m.-9:45 a.m.**  
**PA7-6**  
RESPONSES TO SMOKING CUES INCREASE WITH DURATION OF ABSTINENCE

*H. de Wit\*<sup>1</sup>, G. Bedi<sup>1</sup>, A.C. King<sup>1</sup>, D.H. Epstein<sup>2</sup>, S.J. Heishman<sup>2</sup>, and K.L. Preston<sup>2</sup>, <sup>1</sup>Human Behavioral Pharmacology Laboratory, University of Chicago; <sup>2</sup>NIDA Intramural Research Program, Baltimore, MD*

**8:30 a.m.-9:45 a.m. . . . . Ballroom II**  
**Paper Session 8: An International Perspective on Training Health Care Providers to Treat Tobacco Dependence**

*Session Chairs: Jacques Le Houezec, Ph.D. and Edward F. Ellerbeck, M.D., M.P.H.*

**8:30 a.m.-8:45 a.m.**  
**PA8-1**  
TEACHING ABOUT TOBACCO IN MEDICAL SCHOOLS: A WORLD WIDE STUDY

*Robyn L. Richmond\*, Nicholas Zwar, Rachel Taylor, Joanne Hunnisett, and Fran Hyslop, School of Public Health and Community Medicine, University of New South Wales, Australia*

**8:45 a.m.-9:00 a.m.**  
**PA8-2**  
A GLOBAL SURVEY OF PROGRAMS THAT TRAIN TOBACCO DEPENDENCE TREATMENT PROVIDERS

*Asaf Bitton, M.D.\*<sup>1</sup>, Nancy A. Rigotti, M.D.<sup>2,3</sup>, Ann E. Richards<sup>2</sup>, Michele Reyen, M.P.H.<sup>2</sup>, Kenneth Wassum<sup>4</sup>, and Martin Raw, Ph.D.<sup>5</sup>, <sup>1</sup>Division of General Medicine and Primary Care, Brigham and Women's Hospital, Boston, MA; <sup>2</sup>Tobacco Research and Treatment Center and General Medicine Division, Massachusetts General Hospital, Boston, MA; <sup>3</sup>Department of Medicine, Harvard Medical School, Boston, MA; <sup>4</sup>Free and Clear, Inc., Seattle, WA; <sup>5</sup>Division of Epidemiology and Public Health, University of Nottingham, Nottingham, UK*

**9:00 a.m.-9:15 a.m.**  
**PA8-3**  
UNIVERSITY OF EXCELLENCE FOR TOBACCO-DEPENDENCE TREATMENT: A TRANS-DISCIPLINARY MODEL OF FACULTY DEVELOPMENT AND CURRICULUM CHANGE AT LOMA LINDA UNIVERSITY (LLU)

*David P.L. Sachs, M.D.\*<sup>1</sup>, Linda Hyder Ferry, M.D., M.P.H.<sup>2</sup>, and Bonnie L. Sachs, M.S., R.N.<sup>1</sup>, <sup>1</sup>Palo Alto Center for Pulmonary Disease Prevention, Palo Alto, CA; <sup>2</sup>Loma Linda University School of Medicine and School of Public Health, Loma Linda, CA*

# 2009 Joint Conference of SRNT and SRNT-Europe

9:15 a.m.-9:30 a.m.

PA8-4

ASSOCIATIONS OF MEDICAL STUDENT PERFORMANCE IN STANDARDIZED PATIENTS ON SMOKING CESSATION WITH COGNITIVE EXAMINATIONS

*William C. Wadland, M.D., M.S., Carlos F. Rios-Bedoya, Sc.D., M.P.H., and Mary M. Noel, M.P.H., Ph.D., Department of Family Medicine, Michigan State University*

9:30 a.m.-9:45 a.m.

PA8-5

SMOKING CARE POLICIES AND PROCEDURES IN AUSTRALIAN PSYCHIATRIC FACILITIES

*P. Wye<sup>1</sup>, J. Bowman<sup>1</sup>, J. Wiggers<sup>2</sup>, A. Baker<sup>3</sup>, J. Knight<sup>4</sup>, V. Carr<sup>3</sup>, M. Terry<sup>5</sup>, and R. Clancy<sup>5</sup>, <sup>1</sup>School of Psychology, University of Newcastle, Australia; <sup>2</sup>School of Medicine and Public Health, University of Newcastle, Australia; <sup>3</sup>Centre for Brain and Mental Health Research, Faculty of Health, University of Newcastle, Australia; <sup>4</sup>Population Health, Hunter New England Area Health Service, NSW Health; <sup>5</sup>Hunter New England Mental Health Services, Hunter New England Area Health Service, NSW Health*

8:30 a.m.-9:45 a.m. . . . . Alexander Room, Golf House

Paper Session 9: Community-based Interventions: Part I

*Session Chairs: Linda Bauld, Ph.D. and Thomas H. Brandon, Ph.D.*

8:30 a.m.-8:45 a.m.

PA9-1

COMMUNITY-BASED YOUTH CESSATION PROGRAMS: CHARACTERISTICS OF SUSTAINING PROGRAMS

*Amy K. Sporer, M.S.\*<sup>1</sup>, Robin J. Mermelstein, Ph.D.<sup>1</sup>, Sherry Emery, Ph.D.<sup>1</sup>, Oksana Pugach, M.P.H.<sup>1</sup>, and Susan J. Curry, Ph.D.<sup>2</sup>, <sup>1</sup>University of Illinois at Chicago; <sup>2</sup>University of Iowa*

8:45 a.m.-9:00 a.m.

PA9-2

COMPARING THE 5 A'S VS. 3 A'S PLUS QUITLINE COUNSELING IN FEE-FOR-SERVICE DENTISTRY

*Judith S. Gordon, Ph.D.\*<sup>1</sup>, Judy A. Andrews, Ph.D., Karen M. Crews, D.D.S., Thomas J. Payne, Ph.D., and Herbert H. Severson, Ph.D., Oregon Research Institute and University of Mississippi Medical Center*

9:00 a.m.-9:15 a.m.

PA9-3

EFFECTIVENESS OF A SMOKING CESSATION SERVICE IN PRIMARY CARE

*Robyn L. Richmond\*<sup>1</sup>, Nick A. Zwar<sup>1</sup>, and Gail Forlonge<sup>2</sup>, <sup>1</sup>School of Public Health and Community Medicine, University of New South Wales, Australia; <sup>2</sup>Southern Highlands Division of General Practice*

9:15 a.m.-9:30 a.m.

PA9-4

COMMUNITY LEVEL IMPLEMENTATION OF THE CENTERS FOR DISEASE CONTROL AND PREVENTION BEST PRACTICES RECOMMENDATIONS FOR EFFECTIVE TOBACCO CONTROL

*Thom Taylor, B.A.S.<sup>1</sup>, Nora Y. Hernandez, B.S.<sup>1</sup>, Theodore V. Cooper, Ph.D.\*<sup>1</sup>, Michael Kelly, Ph.D.<sup>2</sup>, Jon Law, M.P.A.<sup>2</sup>, and Brian Colwell, Ph.D.<sup>3</sup>, <sup>1</sup>University of Texas at El Paso; <sup>2</sup>The Paso del Norte Health Foundation; <sup>3</sup>Texas A&M University*

9:30 a.m.-9:45 a.m.

PA9-5

PHARMACY AND GROUP-BASED INTERVENTIONS FOR SMOKING CESSATION: WHAT WORKS FOR WHOM IN WHICH CIRCUMSTANCES?

*L. Bauld<sup>1</sup>, J. Ferguson, J. Chesterman, and K. Judge <sup>1</sup>University of Bath*

8:30 a.m.-9:45 a.m. . . . . Newcastle Suite

Paper Session 10: Media and Marketing: It's All About Presentation

*Session Chairs: Reiner Hanewinkel, Ph.D. and Robert A. Schnoll, Ph.D.*

8:30 a.m.-8:45 a.m.

PA10-1

COMPARING THE EFFECTS OF ENTERTAINMENT MEDIA AND TOBACCO MARKETING ON YOUTH SMOKING IN THE U.S.

*James D. Sargent, M.D.\*<sup>1</sup> and Todd Heatherton, Ph.D.<sup>2</sup>, <sup>1</sup>Dartmouth Medical School; <sup>2</sup>Dartmouth College*

8:45 a.m.-9:00 a.m.

PA10-2

COMPARING THE EFFECTS OF ENTERTAINMENT MEDIA AND TOBACCO MARKETING ON YOUTH SMOKING IN GERMANY

*Reiner Hanewinkel, Ph.D.\* and James D. Sargent, M.D.*

9:00 a.m.-9:15 a.m.

PA10-3

SELF-CONTROL BUFFERS THE IMPACT OF MEDIA SMOKING EXPOSURE ON SMOKING INTENTIONS AND BEHAVIOR

*Thomas A. Wills<sup>1</sup>, Frederick X. Gibbons<sup>2</sup>, Meg Gerrard<sup>3</sup>, James D. Sargent<sup>3</sup>, Susanne E. Tanski<sup>3</sup>, and Mike Stoolmiller<sup>4</sup>, <sup>1</sup>Department of Epidemiology and Population Health, Albert Einstein College of Medicine; <sup>2</sup>Dartmouth College; <sup>3</sup>Norris Cotton Cancer Center, Dartmouth Medical School; <sup>4</sup>College of Education, University of Oregon*

9:15 a.m.-9:30 a.m.

PA10-4

RELEVANCE OF HEALTH WARNINGS ON CIGARETTE PACKAGES: A PSYCHOLINGUISTIC INVESTIGATION

*Christelle Gay\*, Marlène Bosson, Pascal Gygax, and Farfalla Ribordy, University of Fribourg-Switzerland*

9:30 a.m.-9:45 a.m.

PA10-5

CIGARETTE PACKAGE DESIGN AND PERCEPTIONS OF RISK AMONG UK ADULTS AND YOUTH: EVIDENCE IN SUPPORT OF PLAIN PACKAGING

*D. Hammond\*<sup>1</sup>, M. Dockrell<sup>2</sup>, D. Arnott<sup>2</sup>, A. Lee<sup>1</sup>, S. Anderson<sup>3</sup>, and A. McNeill<sup>3,4</sup>, <sup>1</sup>University of Waterloo, Canada; <sup>2</sup>ASH, UK; <sup>3</sup>University of Nottingham, UK; <sup>4</sup>UK Centre for Tobacco Control Studies, UK*

8:30 a.m.-9:45 a.m. . . . . Ballroom I

Paper Session 11: Treatment Approaches in Co-Morbid Populations

*Session Chairs: Tony P. George, M.D. and Ivan Berlin, M.D., Ph.D.*

8:30 a.m.-8:45 a.m.

PA11-1

SMOKING CESSATION IN RECOVERY: A PRELIMINARY COMPARISON OF TWO DIFFERENT COGNITIVE BEHAVIORAL TREATMENTS

Yvonne M. Hunt, Ph.D., M.P.H.<sup>\*1,3,4</sup>, Carla J. Rash, Ph.D.<sup>2,3,4</sup>, Randy S. Burke, Ph.D.<sup>3,4</sup>, and Jefferson D. Parker, Ph.D.<sup>3,4</sup>, <sup>1</sup>Cancer Prevention Fellowship Program, National Cancer Institute, Bethesda, MD; <sup>2</sup>University of Connecticut Health Center, Farmington, CT; <sup>3</sup>G.V. (Sonny) Montgomery VA Medical Center, Jackson, MS; <sup>4</sup>University of Mississippi Medical Center, Jackson, MS

8:45 a.m.-9:00 a.m.

PA11-2

STAFF AND CLIENT PERSPECTIVES ON TOBACCO TREATMENT DURING DRUG TREATMENT

Jamie Hunt<sup>1\*</sup>, Susan Garrett<sup>1</sup>, Kimber P. Richter<sup>1</sup>, Ana Paula Cupertino<sup>1</sup>, Peter D. Friedmann, Byron Gajewski, and Edward F. Ellerbeck<sup>1</sup>, <sup>1</sup>University of Kansas Medical Center

9:00 a.m.-9:15 a.m.

PA11-3

PSYCHIATRIC DISORDERS IN SMOKERS SEEKING TREATMENT: DIFFERENCES IN DEPENDENCE AND OUTCOMES

Megan E. Piper, Ph.D.<sup>\*</sup>, Stevens S. Smith, Ph.D., Michael C. Fiore, M.D., M.P.H., and Timothy B. Baker, Ph.D., University of Wisconsin

9:15 a.m.-9:30 a.m.

PA11-4

EFFECT OF DEPRESSION ON SMOKING CESSATION OUTCOMES

Susan C. Sonne, Pharm.D.<sup>\*1</sup>, Edward V. Nunes, M.D.<sup>2</sup>, Huiping Jiang, Ph.D.<sup>2</sup>, and Malcolm S. Reid, Ph.D.<sup>3</sup>, <sup>1</sup>Medical University of South Carolina; <sup>2</sup>Columbia University/New York Psychiatric Institute; <sup>3</sup>New York University School of Medicine

9:30 a.m.-9:45 a.m.

PA11-5

SMOKING CESSATION INTERVENTION AMONG PEOPLE WITH A PSYCHOTIC DISORDER: 4 YEAR FOLLOW-UP

Robyn L. Richmond<sup>\*1</sup>, Amanda Baker<sup>2</sup>, Terry Lewin<sup>2</sup>, and Frances Kay-Lambkin<sup>2</sup>, <sup>1</sup>School of Public Health and Community Medicine, University of New South Wales, Australia; <sup>2</sup>Centre for Mental Health Studies, University of Newcastle, Australia

8:30 a.m.-9:45 a.m. . . . . Convention Ballroom II  
Paper Session 12: Neurobiology: From Genes to Brain

Session Chairs: Jaakko Kaprio, M.D., Ph.D. and Joe McClernon, Ph.D.

8:30 a.m.-8:45 a.m.

PA12-1

INTERACTION OF SMOKING HISTORY AND GRM7 (THE METABOTROPIC GLUTAMATE RECEPTOR 7 GENE) PREDICTS RISK OF MAJOR DEPRESSIVE DISORDER

Michele L. Pergadia<sup>\*1</sup>, Anne L. Glowinski<sup>1</sup>, Arpana Agrawal<sup>1</sup>, Grant W. Montgomery<sup>2</sup>, Anu Loukola<sup>3,4</sup>, Ulla Broms<sup>5,6</sup>, Scott F. Saccone<sup>1</sup>, Tellervo Korhonen<sup>5,6</sup>, Jen C. Wang<sup>1</sup>, Julia D. Grant<sup>1</sup>, Christina N. Lessov-Schlaggar<sup>1</sup>, Alexandre A. Todorov<sup>1</sup>, Naomi R. Wray<sup>2</sup>, Kauko Heikkilä<sup>5</sup>, Dixie J. Statham<sup>2</sup>, Anjali Henders<sup>2</sup>, Megan Campbell<sup>2</sup>, John P. Rice<sup>1,7</sup>, Alison M. Goate<sup>1,7</sup>, Leena Peltonen<sup>3</sup>, Andrew C. Heath<sup>1,7</sup>, Jaakko Kaprio<sup>5,6</sup>, Nicholas G. Martin<sup>2</sup>, and Pamela A.F. Madden<sup>1</sup>, <sup>1</sup>Department of Psychiatry, Washington University School of Medicine, Saint Louis, USA; <sup>2</sup>Queensland Institute of Medical Research, Brisbane, Australia; <sup>3</sup>Department of Molecular Medicine, National Public Health Institute, Helsinki, Finland; <sup>4</sup>Finnish Genome Center, University of Helsinki, Helsinki, Finland; <sup>5</sup>Department of Public Health, University of Helsinki, Helsinki, Finland; <sup>6</sup>Department of Mental Health and Alcohol Research, National Public Health Institute, Helsinki, Finland; <sup>7</sup>Department of Genetics, Washington University School of Medicine, St. Louis, USA

8:45 a.m.-9:00 a.m.

PA12-2

PEER SMOKING AND THE NICOTINIC RECEPTOR GENES: AN EXAMINATION OF GENETIC AND ENVIRONMENTAL RISKS FOR NICOTINE DEPENDENCE

Eric O. Johnson<sup>\*1</sup>, Li-Shiun Chen<sup>2</sup>, Naomi Breslau<sup>3</sup>, Dorothy Hatsukami<sup>4</sup>, and Laura J. Bierut<sup>2</sup>, <sup>1</sup>RTI International, Research Triangle Park, NC; <sup>2</sup>Washington University School of Medicine, St. Louis, MO; <sup>3</sup>Michigan State University, East Lansing, MI; <sup>4</sup>University of Minnesota, Minneapolis, MN

9:00 a.m.-9:15 a.m.

PA12-3

A GENOTYPE-BASED V1.0 SCORE CAN PROSPECTIVELY PREDICT SMOKING CESSATION SUCCESS

J.E. Rose<sup>\*1</sup>, F.M. Behm<sup>1</sup>, Q.R. Liu<sup>2</sup>, T. Drgon<sup>2</sup>, C. Johnson<sup>2</sup>, D. Walther<sup>2</sup>, and G. Uh<sup>2</sup>, <sup>1</sup>Duke University, Durham, NC; <sup>2</sup>Molecular Neurobiology Branch, NIH-IRP, NIDA, Baltimore, MD

9:15 a.m.-9:30 a.m.

PA12-4

IMAGING BRAIN COGNITIVE EFFECTS OF NICOTINE WITHDRAWAL AND THE IMPACT OF NICOTINE REPLACEMENT

John D. Beaver, Ph.D.<sup>\*1</sup>, Christopher J. Long, Ph.D.<sup>1</sup>, David M. Cole, M.Sc.<sup>1</sup>, Linda C. Bannon, B.Sc.<sup>2</sup>, Paul M. Matthews, M.D., D.Phil.<sup>1</sup>, Rajesh G. Mishra, M.D., Ph.D.<sup>2</sup>, and Michael J. Durcan, Ph.D.<sup>2</sup>, <sup>1</sup>GlaxoSmithKline Clinical Imaging Centre, Imperial College, London, UK; <sup>2</sup>GlaxoSmithKline Consumer Healthcare, Weybridge, UK

9:30 a.m.-9:45 a.m.

PA12-5

ASSOCIATIONS OF NICOTINE METABOLISM RATIO, SMOKING BEHAVIORS AND SMOKE EXPOSURE IN A TREATMENT-SEEKING POPULATION

Andrew A. Strasser, Ph.D.<sup>\*</sup>, Kathy Z. Tang, B.A., Neal Benowitz, M.D., University of California San Francisco, and Caryn Lerman, Ph.D., University of Pennsylvania

# 2009 Joint Conference of SRNT and SRNT-Europe

**9:30 a.m.-6:45 p.m. . . . . Convention Ballroom Foyer Exhibits Open**

**9:45 a.m.-10:30 a.m. . . . . Convention Ballroom Foyer Refreshment Break**

**10:30 a.m.-11:30 a.m. . . . . Convention Ballroom II Pre-Clinical Theme Lecture  
Variable Drug Metabolism: The Making and Unmaking of Smokers**

*Rachel F. Tyndale, Ph.D.  
Canada Research Chair in Pharmacogenetics, Section Head Pharmacogenetics, Centre for Addiction and Mental Health, and Professor of Pharmacology, University of Toronto, Toronto, Ontario, Canada*

**11:30 a.m.-1:00 p.m. . . . . Convention Ballroom I Poster Session 3: Public Health Exhibits Open**

Boxed Lunches (pick up your boxed lunch in the Kingswood Suite – be sure to bring your ticket.)

**1:00 p.m.-2:30 p.m.  
Symposia**

**1:00 p.m.-2:30 p.m. . . . . Newcastle Suite Symposium 6  
WHAT ROLE DOES MAO INHIBITION PLAY IN SMOKING AND SMOKING CESSATION?**

*Chair: Paul B.S. Clarke, Ph.D.<sup>5</sup>  
Presenters: Paul Cumming, Ph.D.<sup>6</sup>, Karine Guillem, Ph.D.<sup>2</sup>, Frances Leslie, Ph.D.<sup>\*3</sup>, and Tony George, M.D.<sup>4</sup>  
Discussant: Paul B.S. Clarke, Ph.D.<sup>5</sup>  
<sup>1</sup>Charité-University Medicine Berlin; <sup>2</sup>University of Pennsylvania; <sup>3</sup>University of California Irvine; <sup>4</sup>University of Toronto; <sup>5</sup>McGill University; <sup>6</sup>Ludwig-Maximilians Universität, München*

Nicotine is widely considered to be a weak reinforcer possessing strong abuse liability. One possible explanation is that in smokers, nicotine's reinforcing effects are potentiated by inhibition of brain monoamine oxidase (MAO). Thus, MAO activity is inhibited in tobacco smokers, and MAO-inhibiting drugs can dramatically increase nicotine intake in laboratory animals. Paradoxically, MAO is also attracting interest as a target for smoking cessation pharmacotherapy. This session will attempt to integrate recent findings from animal and human studies. Paul Cumming will describe several MAO-inhibiting chemicals in tobacco smoke, including harman and norharman. He will suggest that some of these chemicals attain pharmacologically significant levels in smokers, with potential effects on the mesolimbic dopamine system. Karine Guillem will describe how chronic treatment with MAO-inhibitors both increased the motivation to self-administer nicotine and prolonged the aversive state associated with nicotine withdrawal in rats. Frances Leslie will also report MAO inhibitor-induced potentiation of nicotine self-administration in rats, and will propose neural mechanisms underlying this potentiation. Tony George will describe the effects of MAO inhibitors in smoking cessation. In particular, he will present the results of a recently completed Phase II double-blind, randomized placebo-controlled clinical trial of the MAO-B inhibitor selegiline hydrochloride for treatment of tobacco dependence in nicotine dependent community-dwelling cigarette smokers. Finally, Paul Clarke (discussant) will lead a critical discussion of the following issues. Can existing animal models adequately capture the effects of MAO-A and MAO-B inhibition in smokers? Would the mild MAO inhibition seen in smokers be

sufficient to potentiate nicotine reinforcement? Can MAO inhibitors in smoke exert antidepressant effects? Lastly, how may MAO inhibition both motivate tobacco smoking and facilitate quitting?

**1:00 p.m.-2:30 p.m. . . . . Ballroom Symposium 7  
CRAVING TO SMOKE: NEW LABORATORY AND FIELD STUDIES**

*Chair: Reuven Dar, Ph.D.<sup>\*4</sup>  
Presenters: Alvaro Pascual-Leone, M.D., Ph.D.<sup>1</sup>, Neal Doran, Ph.D.<sup>2</sup>, Saul Shiffman, Ph.D.<sup>3</sup>, and Reuven Dar, Ph.D.<sup>\*4</sup>  
Discussant: Raymond Niaura, Ph.D.<sup>5</sup>  
<sup>1</sup>Berenson-Allen Center for Noninvasive Brain Stimulation, Beth Israel Deaconess Medical Center and Harvard Medical School, Boston, MA, USA; <sup>2</sup>University of California, San Diego, CA, USA; <sup>3</sup>University of Pittsburgh, Pittsburgh, PA, USA; <sup>4</sup>Department of Psychology, Tel Aviv University, Israel; <sup>5</sup>Warren Alpert Medical School of Brown University*

Craving is one of the hallmarks of regular smoking and is considered a primary factor in maintaining smoking and in leading to relapse in smokers attempting to quit. The symposium puts together four studies that examine various aspects of craving using diverse methodologies. The presentations include two field studies, in which smokers provided ratings of craving in natural settings, and two laboratory studies, one examining the effects of cue exposure on craving and its interaction with impulsivity and the other employing non-invasive brain stimulation to reduce craving. Together, these studies address central questions in regard to craving, including the relationship of craving to smoking and to smoking withdrawal, the interaction of craving with personality factors, and the brain structures which may mediate craving.

**1:00 p.m.-2:30 p.m. . . . . Convention Ballroom II Symposium 8  
TARGETS FOR TREATING NICOTINE ADDICTION: NOT THE USUAL SUSPECTS**

*Chair: Allison C. Hoffman\*, Ph.D.<sup>5</sup>  
Presenters: Scott F. Saccone, Ph.D.<sup>1</sup>, Olivier George, Ph.D.<sup>2</sup>, Jim R. Fadel, Ph.D.<sup>3</sup>, and Athina Markou<sup>4</sup>  
<sup>1</sup>Washington University in Saint Louis; <sup>2</sup>The Scripps Research Institute; <sup>3</sup>University of South Carolina School of Medicine; <sup>4</sup>University of California at San Diego; <sup>5</sup>National Institute on Drug Abuse*

Most of the first-line medications currently approved for treating tobacco dependence are nicotine replacement therapies. However, the neurobiological mechanisms underlying nicotine addiction are complex and have implicated a number of other receptor systems. The use of genetic tools, such as genome-wide association scans and genetic mutants, in addition to basic animal behavior research, have indicated some novel targets for treating nicotine addiction might not have otherwise been suggested. This symposium seeks to highlight some of these unanticipated targets, including the  $\alpha 5$  nicotinic, CRF, orexin, and glutamate receptor systems. These presentations will take a translational approach by discussing emerging research from both animal and human studies, and how findings might affect research directions and potential for nicotine dependence treatments. Since the target audience includes both animal and human nicotine/tobacco researchers, it is hoped that these presentations will stimulate additional research into unconventional targets.

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**2:30 p.m.-3:00 p.m. . . . . Convention Ballroom Foyer  
Refreshment Break**

**3:00 p.m.-4:00 p.m. . . . . Convention Ballroom II  
Epidemiology and Public Health Lecture**

What We Know and Don't (Yet) Know About the Impact of Tobacco Control Policies: An In-Progress Summary from the ITC Project

*Geoffrey T. Fong, Ph.D.*

*Professor and Director, Health Psychology Lab, University of Waterloo and Senior Investigator, Ontario Institute for Cancer Research, Waterloo, Ontario, Canada*

**4:15 p.m.-5:15 p.m. . . . . Convention Ballroom II  
Clinical Theme Lecture**

How Lapses Progress Towards Relapse and is There Anything We Can Do About it?

*Saul Shiffman, Ph.D.*

*Professor, Department of Psychology, University of California at Los Angeles, Los Angeles, CA*

**5:15 p.m.-6:45 p.m. . . . . Convention Ballroom I  
Poster Session 4: Animal, Human Biobehavioral, and  
Molecular/Basic**

**7:00 p.m. . . . . Meet in the Lobby  
Optional Transportation into Dublin for the Evening**  
*(your badge will serve as your ticket)*

## Thursday, April 30, 2009

**7:00 a.m.-2:00 p.m. . . . . Swift Brook Suite  
Internet Station**

**8:00 a.m.-2:00 p.m. . . . . Convention Ballroom Foyer  
Registration Open**

**8:00 a.m.-9:30 a.m.  
Symposia**

**8:00 a.m.-9:30 a.m. . . . . Newcastle Suite  
Symposium 9  
SOCIOECONOMIC STATUS AND SMOKING CESSATION**

*Chair: David W. Wetter<sup>1</sup>*

*Presenters: Mohammad Siahpush<sup>2</sup> and Lorraine R. Reitzel<sup>1</sup>*

*Discussant: David B. Abrams<sup>3</sup>*

*<sup>1</sup>University of Texas M.D. Anderson Cancer Center;*

*<sup>2</sup>University of Nebraska College of Public Health;*

*<sup>3</sup>Schroeder Institute for Tobacco Research and Policy Studies, American Legacy Foundation*

Tobacco use is a major determinant of health disparities and there is a profound socioeconomic status (SES) gradient in smoking prevalence, cessation, and related disease burden. For example, 58% of the SES gradient in U.S. male mortality is attributable to tobacco. Although the SES gradient in smoking-related outcomes has been known for decades, these disparities have become even more pronounced over time. Unfortunately, there are few data addressing the specific mechanisms that link SES with smoking-related outcomes. The goal of this symposium is to present recent research investigating the potential pathways between SES and smoking cessation. Dr. Abrams will introduce the symposium, define SES, and briefly review the evidence linking SES to smoking prevalence, cessation, and related disease burden. Dr. Siahpush will present data examining the association of financial stress with smoking cessation outcomes

among smokers who participated in the International Tobacco Control Four Country Survey, a prospective cohort study of smokers in the US, Canada, UK, and Australia. Dr. Wetter will present data evaluating a model of the specific pathways and mechanisms that link SES with smoking relapse using a structural equation modeling approach in a diverse sample of smokers seeking treatment. Dr. Reitzel will present data investigating the relations between postpartum smoking relapse and subjective social status (SSS) - an individual's perception of her/his position in the social hierarchy and a potentially more comprehensive measure of social status than traditional indicators of SES - in a diverse sample of pregnant women who quit smoking because of their pregnancy. Dr. Abrams will highlight potential policy and intervention implications of the studies and lead the discussion with the audience.

**8:00 a.m.-9:30 a.m. . . . . Ballroom  
Symposium 10  
TREATMENT OF SMOKING AS A CHRONIC ILLNESS IN  
PRIMARY CARE**

*Chair: Edward F. Ellerbeck, M.D., M.P.H.\*<sup>1</sup>*

*Presenters: Ana-Paula Cupertino, Ph.D.<sup>1</sup> and Lawrence C. An, M.D.<sup>2</sup>*

*Discussant: Scott Sherman, M.D.<sup>3</sup>*

*<sup>1</sup>University of Kansas School of Medicine; <sup>2</sup>University of Minnesota; <sup>3</sup>New York University*

Cigarette smoking is a chronic illness characterized by repeated cycles of quit attempts and relapse. In practice, however, most smoking cessation interventions are based on single, short-term interventions lasting only a few weeks or months. These interventions provide treatment only to smokers that are already prepared to quit and do not consistently reengage relapsed smokers in new treatment plans. New models of chronic disease care have been developed and implemented successfully for the treatment of other chronic illnesses such as diabetes, asthma, and heart failure. These models of chronic disease management may provide an alternative approach for expanding the reach and effectiveness of smoking cessation efforts. In this symposium, Dr. An will describe the results of proactive telephone outreach offering cessation services to smokers identified in a primary care clinic's electronic medical records system. Dr. Ellerbeck will describe an alternative model in which centralized case managers (counselors) work in parallel with primary care practices to promote smoking cessation. Dr. Cupertino will describe the interest of smokers in repeated smoking cessation efforts and show the impact of cessation efforts for smokers requesting up to four cycles of treatment. Finally, an interactive discussion will be led by Dr. Sherman who will describe how the "medical home" model for primary care could impact the treatment of smoking cessation as a chronic disease.

**8:00 a.m.-9:30 a.m. . . . . Rathcoole Suite  
Symposium 11  
NICOTINE AND INFORMATION PROCESSING**

*Chair: Allison C. Hoffman, Ph.D.\*<sup>5</sup>*

*Presenters: Amir Levine, M.D.<sup>1</sup>, Evelyn K. Lambe, Ph.D.<sup>2</sup>, Raad Nashmi, Ph.D.<sup>3</sup>, and Thomas J. Gould, Ph.D.<sup>4</sup>*

*<sup>1</sup>Columbia University; <sup>2</sup>University of Toronto; <sup>3</sup>University of Victoria; <sup>4</sup>Temple University; <sup>5</sup>National Institute on Drug Abuse*

Although people smoke cigarettes because of nicotine's reinforcing effects, the central effects of nicotine are far more diverse. Of particular interest are nicotine's effects on information processing, which could play a key role in the maintenance

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of tobacco use and the chronic relapses associated with quit attempts. The goal of this symposium is to examine nicotine's effects on cognitive, sensory, and emotional information processing. There will be four presentations. Dr. Amir Levine will discuss nicotine's effects on information processing via epigenetic mechanisms. Dr. Evelyn Lambe will discuss the cellular mechanisms underlying the ability of nicotine to perturb attention circuitry during development, focusing on an unusual subtype of nicotinic receptors ( $\alpha 4\beta 2\alpha 5$ ) that are essential for the normal maturation of corticothalamic neurons. Dr. Raad Nashmi will discuss the effect of chronic nicotine on cell specific upregulation of functional  $\alpha 4^*$  nicotinic receptors in the CNS. Lastly, Dr. Thomas Gould will discuss some intriguing interactions between nicotine and learning that produce a novel pattern of MAPK gene expression. Since the target audience includes both animal and human nicotine/tobacco researchers, it is hoped that these presentations will stimulate discussion on the mechanisms that underlie nicotine's effects on information processing, and the impact that these effects may have on long-term tobacco users.

## 8:00 a.m.-9:30 a.m. . . . . Convention Ballroom II Symposium 5 SMOKERS WITH SERIOUS MENTAL ILLNESS: A FOCUS ON MECHANISMS AND MODELS

Chair: Jennifer W. Tidey, Ph.D.\*<sup>1</sup>

Presenters: Jennifer W. Tidey, Ph.D.<sup>1</sup>, Jill M. Williams, M.D.<sup>2</sup>, Andrea H. Weinberger, Ph.D.<sup>3</sup>, and A. Eden Evins, M.D.<sup>4</sup>

Discussant: Saul Shiffman, Ph.D.\*<sup>5</sup>

<sup>1</sup>Brown University-Alpert Medical School; <sup>2</sup>UMDNJ-Robert Wood Johnson Medical School; <sup>3</sup>Yale University School of Medicine; <sup>4</sup>Harvard Medical School; <sup>5</sup>University of Pittsburgh

Rates of smoking in people with serious mental illness (SMI) are two to three times higher than smoking rates in the general population. Smoking treatments are less effective for smokers with SMI than for non-psychiatric smokers, even among those who are motivated to quit and who enroll in combined pharmacological and psychosocial treatment programs. The overarching viewpoint of this symposium is that a better understanding of the unique biological and environmental mechanisms that contribute to smoking in people with SMI is critical and necessary for the development of effective treatments for smokers with SMI. Hypotheses concerning the high smoking rates in smokers with SMI focus on the idea that smoking improves psychiatric symptoms and cognitive dysfunction or that nicotine may be more reinforcing for these smokers due to the neuropathology associated with their illnesses. This symposium will highlight findings from novel studies that investigate these hypotheses by comparing, under controlled behavioral laboratory conditions, the effects of biological and environmental variables in people with and without SMI. The symposium chair will provide a brief overview of the elevated smoking rates and treatment results in people with SMI. Dr. Williams will present results of a comparison of smoking topography and nicotine intake in smokers with bipolar disorder, smokers with schizophrenia and smokers with no psychiatric illness. Dr. Weinberger will discuss subjective responses to smoking cues in smokers with and without a history of major depressive disorder. Dr. Tidey will compare the effects of high-dose nicotine replacement and sensorimotor smoking replacement in smokers with schizophrenia and those without psychiatric illness. Dr. Evins will compare nicotine's effects on reward responsiveness and cognitive performance in non-smokers with and without schizophrenia. Finally, Dr. Shiffman will discuss the implications of these findings for the development of novel, effective smoking treatments for smokers with serious mental illness.

## 9:30 a.m.-10:00 a.m. . . . . Convention Ballroom Foyer Refreshment Break

### 10:00 a.m.-11:15 a.m. Paper Sessions

#### 10:00 a.m.-11:15 a.m. . . . . Ballroom Paper Session 13: Community-Based Interventions: Part II Session Chairs: Stephanie R. Land, Ph.D. and John Britton, M.D., B.Sc.

##### 10:00 a.m.-10:15 a.m.

###### PA13-1

###### RESIDENTIAL TOBACCO DEPENDENCE TREATMENT COMPARED TO OUTPATIENT TREATMENT

J.T. Hays\*, D.R. Schroeder, I.T. Croghan, M.V. Burke, J.O. Ebbert, and R.D. Hurt, Mayo Clinic College of Medicine, Rochester, MN, USA

##### 10:15 a.m.-10:30 a.m.

###### PA13-2

###### USING THE ELECTRONIC MEDICAL RECORD TO IMPROVE TOBACCO TREATMENT IN PRIMARY CARE: A CLUSTER RANDOMIZED CONTROLLED TRIAL

Jeffrey A. Linder, M.D., M.P.H., Nancy A. Rigotti, M.D.\*, Louise I. Schneider, M.D., Jennifer H.K. Kelley, M.A., Phyllis Brawarsky, M.P.H., Jennifer S. Haas, M.D., M.S.P.H., Division of General Medicine and Primary Care, Brigham and Women's Hospital; Tobacco Research and Treatment Center and General Medicine Division, Massachusetts General Hospital; and Harvard Medical School, Boston, MA, USA

##### 10:30 a.m.-10:45 a.m.

###### PA13-3

###### MASS MAILOUT OF PRIMARY CARE PHYSICIANS ADVICE LETTERS AND NRT VOUCHERS TO SMOKERS

Christopher R. Bullen, M.D.\*, Donna Watson, M.Sc., Hayden McRobbie, Ph.D., Marewa Glover, Ph.D., and Varsha Parag, M.Sc., The University of Auckland, Auckland, New Zealand

##### 10:45 a.m.-11:00 a.m.

###### PA13-4

###### TELEPHONE CARE COORDINATION FOR SMOKING CESSATION: A RANDOMIZED TRIAL

Scott Sherman, M.D., M.P.H., Sharon Cummins, Ph.D., John Finney, Ph.D., Preety Kalra, M.S., Ware Kuschner, M.D., Laura York, M.A., and Shu-Hong Zhu, Ph.D., Veterans Health Administration; New York University; University of California, San Diego

##### 11:00 a.m.-11:15 a.m.

###### PA13-5

###### HEALTH PROFESSIONAL ADVICE ON QUITTING IN HOSPITAL PATIENTS — ARE WOMEN TREATED DIFFERENTLY TO MEN?

Kirsten Doherty, Ph.D.\*<sup>1</sup> and Leslie Daly, Ph.D.<sup>2</sup>, <sup>1</sup>St. Vincent's University Hospital; <sup>2</sup>University College Dublin

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## 10:00 a.m.-11:15 a.m. . . . . Newcastle Suite Paper Session 14: Is There a Smoker On-line?

Session Chairs: Vic Strecher, Ph.D. and Jean-Francois Etter, Ph.D.

10:00 a.m.-10:15 a.m.

### PA14-1

EVALUATION OF FIRST "QUITLINE" IN IRAN DURING 2007-08

Anahita Alvanpour, M.D., Jinus Jianfar, M.D., Zahra Hessami, M.D., Hooman Sharifi, M.D., M.P.H., and GholamReza Heydari, M.D., M.P.H., Tobacco Prevention and Control Research Center (TPCRC), Massih Daneshvari Hospital, Tehran

10:15 a.m.-10:30 a.m.

### PA14-2

RANDOMIZED CONTROLLED TRIAL OF AN INTERACTIVE INTERNET SMOKING CESSATION PROGRAM WITH LONG-TERM FOLLOW-UP

Daniel F. Seidman, Ph.D.\*<sup>1</sup>, Steve Goldband, Ph.D.<sup>2</sup>, Vance Rabinus, Ph.D.<sup>3</sup>, J. Lee Westmaas, Ph.D.<sup>4</sup>, Edward S. Katkin, Ph.D.<sup>5</sup>, K. Joanne Pike, M.A., L.P.C.<sup>3</sup>, Dawn Elise Wiatrek, Ph.D.<sup>6</sup>, and Richard P. Sloan, Ph.D.<sup>7</sup>,  
<sup>1</sup>Columbia University Behavioral Medicine Program; <sup>2</sup>Stanford Center on Longevity; <sup>3</sup>American Cancer Society; <sup>4</sup>Behavioral Research Center, American Cancer Society; <sup>5</sup>State University of New York at Stony Brook; <sup>6</sup>National Cancer Information Center, American Cancer Society; <sup>7</sup>Columbia University Medical Center

10:30 a.m.-10:45 a.m.

### PA14-3

USING INTERACTIVE VOICE RECOGNITION TECHNOLOGY TO ASSESS SMOKING OUTCOMES AND LINK SMOKERS TO COUNSELING AFTER HOSPITAL DISCHARGE

Susan Regan, Ph.D.\*, Michele B. Reyen, M.P.H., Abigail C. Lockhart, Ann E. Richards, and Nancy A. Rigotti, M.D., Tobacco Research and Treatment Center; Massachusetts General Hospital; Harvard Medical School

10:45 a.m.-11:00 a.m.

### PA14-4

PROMOTING STATEWIDE HELPLINE AND WEB-BASED CESSATION SERVICES: AN ANALYSIS OF SERVICE VOLUMES AND MEDIA EFFORTS

Andrea Mowery\*<sup>1</sup>, Barbara Schillo, Ph.D.<sup>1</sup>, Marietta Dreher<sup>1</sup>, Ann St. Claire, M.P.H.<sup>1</sup>, Michael Luxenburg, Ph.D.<sup>2</sup>, Matt Christensen<sup>2</sup>, and Andrew Zieffler, Ph.D.<sup>3</sup>,  
<sup>1</sup>ClearWay Minnesota; <sup>2</sup>Professional Data Analysts, Inc.; <sup>3</sup>University of Minnesota

11:00 a.m.-11:15 a.m.

### PA14-5

YOUTUBE AS A SOURCE OF INFORMATION ON QUITTING SMOKING: A CONTENT ANALYSIS

Cathy L. Backinger, Ph.D., M.P.H., Andrea Frydl, B.S.\*, Erik Augustson, Ph.D., M.P.H., Alison Pilsner, M.P.H., National Cancer Institute; Todd Phillips, M.S., Jessica Nadeau, M.A., Academy for Educational Development

## 10:00 a.m.-11:15 a.m. . . . . Convention Ballroom II Paper Session 15: The Relationship Between Stress and Smoking

Session Chairs: Laurie Zawertailo, Ph.D. and Harriet de Wit, Ph.D.

10:00 a.m.-10:15 a.m.

### PA15-1

EFFECTS OF CARBON DIOXIDE (CO<sub>2</sub>) CHALLENGE ON ANXIETY RESPONSE IN CIGARETTE SMOKERS

Angela S. Attwood\*, Fayeza Saeed, Jayne E. Bailey, and Marcus R. Munafò, University of Bristol, UK

10:15 a.m.-10:30 a.m.

### PA15-2

EFFECTS OF GENDER AND CIGARETTE SMOKING ON REACTIVITY TO PSYCHOLOGICAL AND PHARMACOLOGICAL STRESS PROVOCATION

K.T. Brady<sup>1</sup>, S.E. Back<sup>1</sup>, K. Hartwell<sup>1</sup>, M.E. Saladin<sup>1</sup>, A.L. McRae<sup>1</sup>, and M.J. Kreek<sup>2</sup>, <sup>1</sup>Medical University of South Carolina; <sup>2</sup>Rockefeller University

10:30 a.m.-10:45 a.m.

### PA15-3

DYSREGULATED STRESS RESPONSE AND SMOKING RELAPSE IN MEN AND WOMEN

Mustafa al'Absi, Larry Wittmers, Dorothy Hatsukami, and Ruth Westra, University of Minnesota Medical School

10:45 a.m.-11:00 a.m.

### PA15-4

HPA AXIS RESPONSE TO NALTREXONE AND CIGARETTE SMOKING IN NICOTINE DEPENDENT SUBJECTS

A.C. King, University of Chicago

11:00 a.m.-11:15 a.m.

### PA15-5

ATTENTION BIAS TOWARD SMOKING RELATED AND PLEASANT CUES IN WITHDRAWAL AND UNDER STRESS

Danielle E. McCarthy, Ph.D.\*<sup>1</sup>, John J. Curtin, Ph.D.<sup>2</sup>, and Rebecca Gloria, M.S.<sup>2</sup>, <sup>1</sup>Rutgers, The State University of New Jersey; <sup>2</sup>University of Wisconsin-Madison

## 10:00 a.m.-11:15 a.m. . . . . Rathcoole Suite Paper Session 16: Rapid Response Paper Session

Session Chairs: David J. Balfour, B.Sc., Ph.D. and Stephen Heishman, Ph.D.

10:00 a.m.-10:15 a.m.

### PA16-1

INHIBITION OF ANANDAMIDE HYDROLYSIS: A NOVEL STRATEGY TO REDUCE RELAPSE FOR NICOTINE

Benoit Forget, Kathy Coen, and Bernard Le Foll\*, Translational Addiction Research Laboratory, Centre for Addiction and Mental Health and University of Toronto

10:15 a.m.-10:30 a.m.

### PA16-2

WHAT IS THE "REAL" PRICE OF CIGARETTES?

Anne M. Hartman\*<sup>1</sup>, Frank J. Chaloupka<sup>2</sup>, John A. Tauras<sup>2</sup>, Sonja Stringer<sup>1</sup>, and James T. Gibson<sup>1</sup>, <sup>1</sup>National Cancer Institute; <sup>2</sup>University of Illinois at Chicago

10:30 a.m.-10:45 a.m.

### PA16-3

LACK OF REINFORCEMENT ENHANCING EFFECTS OF NICOTINE IN HUMANS

K.A. Perkins\*<sup>1</sup>, A. Grottenthaler<sup>1</sup>, and A.S. Wilson<sup>2</sup>  
<sup>1</sup>Department of Psychiatry, University of Pittsburgh and  
<sup>2</sup>Department of Environmental and Occupational Health, University of Pittsburgh

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**10:45 a.m.-11:00 a.m.**

**PA16-4**

EVALUATION OF SAFETY OF VARENICLINE IN SCHIZOPHRENIA

*A. Eden Evins, M.D., M.P.H.\*, Tsafir Loebel, M.D., Gladys Pachas, M.D., Johanna Nino, M.D., Annie Shawn, and Max Tedaldi, Massachusetts General Hospital and Harvard Medical School*

**11:00 a.m.-11:15 a.m.**

**PA16-5**

THE EFFECTS OF PURE NICOTINE, DENICOTINIZED TOBACCO AND NICOTINE-CONTAINING TOBACCO ON CIGARETTE CRAVING, WITHDRAWAL, AND SELF-ADMINISTRATION

*Sean P. Barrett, Ph.D.,\*Christine Darredeau, Ph.D., and Kirsten Temporale, B.Sc., Departments of Psychiatry and Psychology, Dalhousie University*

**11:30 a.m.-1:00 p.m. . . . . Convention Ballroom I**

**Poster Session 5: Rapid Response Submissions**

Boxed Lunches (pick up your boxed lunch in the Kingswood Suite – be sure to bring your ticket.)

**1:00 p.m.**

**Conference Ends**