2018 SRNT

BALTIMORE

PROGRAM

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Dear Colleagues,

On behalf of the SRNT Program Committee, we welcome you to the 24th Annual Meeting of the Society for Research on Nicotine and Tobacco (SRNT) in Baltimore, Maryland!

Our focus this year was to develop a meeting program that would maximize the opportunity to explore hot topics in nicotine and tobacco research from a transdisciplinary perspective. The program offers a collection of cutting-edge science across the full spectra of basic and applied research on nicotine and tobacco. There are presentations on several pivotal clinical trials, plus cutting-edge research in the fields of tobacco use epidemiology, genomics, biomarkers, cue reactivity, e-cigarettes, cigar use, waterpipes, smokeless tobacco, secondhand smoke and aerosol exposure, and tobacco product regulation. There are also several transdisciplinary presentations on reduced nicotine content cigarette research and research pertaining to the comprehensive nicotine policy announced by the US Food and Drug Administration earlier this year. In addition, the program has an emphasis on understanding and treating tobacco use among populations experiencing disproportionately high burden and health consequences from tobacco use, such as those who use other substances (including cannabis, alcohol, and opioids), those who are low-income, persons from minority racial/ethnic groups, and other vulnerable populations.

Several key highlights for the meeting are:

**Wednesday, February 21, 2018**
5:30 p.m.-6:45 p.m.  
**Opening Session: Presidential Symposium**  
Reducing Nicotine Content in Cigarettes: A Discussion of the Evidence and Policy Implications Panel Discussion  
Session Chair: Dorothy K. Hatsukami, PhD, Masonic Cancer Center, University of Minnesota, Minneapolis, MN, USA  
Presenters: Eric Donny, PhD, Wake Forest University; Dorothy K. Hatsukami, PhD, University of Minnesota; Stephen Higgins, PhD, University of Vermont; Saul Shiffman, PhD, University of Pittsburgh  
Panelists: Suchitra Krishnan-Sarin, PhD, Yale University; Kurt Ribisl, PhD, University of North Carolina; Natalie Walker, PhD, University of Auckland; Mitch Zeller, JD, Center for Tobacco Products, FDA

**Thursday, February 22, 2018**
9:00 a.m.-10:00 a.m.  
**Pre-Clinical Theme Plenary and Recipient of the 2018 Langley Award**  
Bringing Precision Medicine to Smoking Cessation  
Laura Jean Bierut, MD, Alumni Endowed Professor of Psychiatry, Health & Behavior Research Center, Washington University School of Medicine, St. Louis, MO, USA

**Thursday, February 22, 2018**
1:30 p.m.-2:30 p.m.  
**Epidemiology and Public Health Theme Keynote Lecture**  
VADM Jerome M. Adams, MD, MPH  
United States Surgeon General, Washington, DC, USA
**Friday, February 23, 2018**

**Clinical Theme Lecture**

*Technology and Smoking Cessation: Is it all Smoke and Mirrors?*

Robyn Whittaker, MBChB, MPH, PhD, FNZCPHM, Associate Professor, Clinical Director of Innovation, Waitemata District Health Board and University of Auckland, Auckland, New Zealand

**Friday, February 23, 2018**

**Policy Theme Keynote Lecture**

*An Update on FDA’s Comprehensive Plan on Tobacco and Nicotine Regulation*

Scott Gottlieb, MD, Commissioner of Food and Drugs
US Food and Drug Administration, Silver Spring, MD, USA

Also, not to be missed:

- The Opening Welcome Reception on Wednesday, February 21, from 6:45 p.m.-8:00 p.m., which will include hors d’oeuvres. All attendees are welcome!
- The Opening Remarks and Awards Ceremony on Thursday, February 22, from 8:30 a.m.-9:00 a.m., with special recognition of the Langley Award Winner, Dr. Laura Jean Bierut, and the Jarvik Russell Award Winner, Dr. Andrea Villanti.
- The SRNT Members Meeting on Friday, February 23, 7:30 a.m.-8:15 a.m.

For meeting attendees arriving early, there are eight pre-conference workshops that will be held on Wednesday, February 21 (available at an additional fee). These include:

- Pre-Conference Workshop 1: Introduction to the Multiphase Optimization Strategy (MOST) for Building More Effective, Efficient, Economical, and Scalable Behavioral and Biobehavioral Interventions
- Pre-Conference Workshop 2: PATH Study Data and Resources
- Pre-Conference Workshop 3: Alternative Careers for Individuals in Tobacco and Nicotine Research
- Pre-Conference Workshop 4: Adolescent and Young Adult Nicotine Dependence in the Contemporary Tobacco Landscape
- Pre-Conference Workshop 5: Innovations in Tobacco Treatment Research: New Treatments and Methodologies
- Pre-Conference Workshop 6: Engaging Indigenous Communities in Tobacco Control Research
- Pre-Conference Workshop 7: Today’s Smokers—New Challenges in a Changing Population
- Pre-Conference Workshop 8: Sample Size Calculations for Observational and Experimental Studies in Tobacco Control

To follow, and as part of the general registration, please join us prior to the opening plenary session for special sessions on Wednesday from 3:00 p.m.-5:15 p.m.:

- Food and Drug Administration’s Center for Tobacco Products: An Update on Regulatory Activities and Priorities (3:30 p.m.-4:15 p.m.)
● Investigational Research Issues with Electronic Nicotine Delivery Systems and Other Tobacco Products: FDA Center for Tobacco Products (CTP) and FDA Center for Drug Evaluation and Research (CDER) Joint Session (4:30 p.m.-5:15 p.m.)

Lastly, please join your colleagues at an exciting and unique panel discussion on The Role and Implications of the Funder on Nicotine and Tobacco Research on Friday at 7:15 p.m.

SRNT received more than 1,000 abstract submissions again. Over the past six months, we have worked thoughtfully to create a timely and high-quality scientific program spanning the full breadth of the nicotine and tobacco research field. Our early registration numbers indicate attendance may break another record, being even higher than last year’s meeting in Florence. Back by popular demand, we are offering 10 concurrent podium presentations, so we hope that there is something for everyone!

We encourage you to attend sessions that offer insights beyond your expertise, to engage with your colleagues and seek out new connections, and importantly, we hope that you enjoy the meeting and the vibrant city of Baltimore!

Kind Regards,

Rachel Grana Mayne, PhD, MPH  
Program Chair

Lisa M. Fucito, PhD, and  
Gideon St.Helen, PhD  
Program Co-Chairs
PROGRAM COMMITTEE

Rachel Grana Mayne, PhD, MPH  
National Cancer Institute, Rockville, MD, USA  
Program Chair

Lisa Fucito, PhD  
Yale University School of Medicine, New Haven, CT, USA  
Program Co-Chair

Gideon St. Helen, PhD  
University of California, San Francisco, CA, USA  
Program Co-Chair

Kelly Blake, ScD  
National Cancer Institute, Rockville, MD, USA

David Portnoy, PhD, MPH  
US Food and Drug Administration, Center for Tobacco Products, Silver Spring, MD, USA

Meghan Morean, PhD  
Oberlin College, OH, USA; Yale University School of Medicine, New Haven, CT, USA

Alicia Allen, PhD, MPH  
University of Arizona, Tucson, AZ, USA

Erin Sutfin, PhD  
Wake Forest School of Medicine, Winston-Salem, NC, USA

Jessica Barrington-Trimis, PhD  
University of Southern California, Los Angeles, CA, USA

Joseph Lee, PhD, MPH  
East Carolina University, Greenville, NC, USA

James Thrasher, MA, MS, PhD  
University of South Carolina, Colombia, SC, USA

Leonie Brose, Msc, Dipl.-Psych, PhD  
King’s College London, London, England

Hua Yong, PhD  
Cancer Council Victoria, Victoria, Australia

Donna Shelley, MD, MPH  
New York University, New York, NY, USA

Andrea Weinberger, PhD  
Yeshiva University, New York, NY, USA

Rebecca Ashare, PhD  
University of Pennsylvania, Philadelphia, PA, USA

Laurie Zawertailo, PhD  
University of Toronto, Toronto, ON, Canada

Hayden McRobbie, MB, ChB, PhD  
The Dragon Institute for Innovation, Auckland, New Zealand;
Queen Mary University of London, London, United Kingdom

Suzanne Colby, PhD  
Brown University, Providence, RI, USA

Amanda Baker, PhD  
University of Newcastle, New South Wales, Australia

Michael Businelle, PhD  
University of Oklahoma Health Sciences Center, Oklahoma City, OK, USA

Monica Webb Hooper, PhD  
Case Western Reserve University, Cleveland, OH, USA

Kamran Siddiqi, MBBS, MPH, PhD  
University of York, York, United Kingdom

Jean-Francois Etter, PhD  
University of Geneva, Geneva, Switzerland

Brandon J. Henderson, PhD  
Marshall University, Huntington, WV, USA

Adriaan W. Bruijnzeel, PhD  
University of Florida, Gainesville, FL, USA

Cassandra Gipson-Reichardt, PhD  
Arizona State University, Tempe, AZ, USA

Amy L. Copeland, PhD, MP  
Louisiana State University, Baton Rouge, LA, USA
Christine Fowler, PhD  
University of California, Irvine,  
CA, USA

Heather Kimmel, PhD  
National Institute on Drug  
Abuse, North Bethesda, MD,  
USA

Ansel Hillmer, PhD  
Yale University, New Haven,  
CT, USA

Munir Gunes Kutlu, PhD  
Pennsylvania State University,  
University Park, PA, USA

Ite Laird-Offringa, PhD  
University of Southern  
California, Los Angeles, CA,  
USA

Jill Turner, PhD  
University of South Carolina,  
Columbia, SC, USA

Lurdes Queimado, MD, PhD  
The University of Oklahoma  
Health Sciences Center,  
Oklahoma City, OK, USA

Bartosz Koszowski, PhD  
 Battelle, Baltimore, MD, USA

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<td><strong>Adolescent</strong></td>
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<tr>
<td>Suzanne Colby, PhD, Brown University</td>
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<td>Robin Mermelstein, PhD, University of Illinois at Chicago</td>
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<tr>
<td><strong>Basic Science</strong></td>
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<tr>
<td>Christie Fowler, PhD, University of California, Irvine</td>
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<td>Jill Turner, PhD, University of South Carolina</td>
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<td><strong>Genetics</strong></td>
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<td>Sean David, MD, SM, DPhil, Stanford University</td>
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<td>Li-Shiun Chen, MD, MPH, ScD, Washington University in St. Louis</td>
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<td><strong>Global Research</strong></td>
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<tr>
<td>Scott McIntosh, PhD, University of Rochester Medical Center</td>
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<td>Carla Berg, PhD, Emory University</td>
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<td><strong>Health Disparities</strong></td>
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<td>Steven Fu, MD, MSCE, University of Minnesota</td>
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<td>Norval Hickman, PhD, MPH, University of California</td>
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<td><strong>Policy Research</strong></td>
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<td>Andrea Villanti, PhD, MPH, CHES, University of Vermont</td>
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<td>Sara Hitchman, PhD, King’s College London</td>
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<td>Olivia Maynard (acting), PhD, University of Bristol</td>
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<td><strong>Trainee</strong></td>
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<td>Meg Fluharty, PhD, University of Bristol</td>
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<td>Omar El Shahawy, PhD, New York University</td>
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<td>Stephen Heishman, PhD, National Institutes of Health</td>
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<td><strong>Treatment Research</strong></td>
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<td>Megan Piper, PhD, University of Wisconsin-Madison</td>
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<td>Leonie Brose, PhD, King’s College London</td>
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Ana Abrantes, PhD
Adewale Adeluyi, MS, PharmD
Karen Ahijevych, PhD, RN, FAAN
Tom Ainscough, MSc
Adam Alexander, MS
Alicia Allen, PhD, MPH
Michael Amato, PhD
Muralidharan Anbalagan, PhD
Steve Armstrong, MS
Taghrid Asfar, MD
Rebecca Ashare, PhD
Angela Attwood, PhD
Erik Augustson, PhD, MPH
Donita Baird, DClinPsych
Amanda Baker, PhD
Purva Bali, MS
Dolly Balinuans, PhD
Smita C. Banerjee, PhD
Sean Barrett, PhD
Jessica Barrington Tremis, PhD
Alison Beck, DClinPsych, MAPS
Ellen Beckjord, PhD, MPH
Joshua Beckmann, PhD
Mariel Bello, BA, PhD expected 2019
Carla Berg, PhD
John Bernert, PhD
Rick Bevins, PhD
Karen Bissell, DrPh, MA
Kelly Blake, ScD
Melissa Blank, PhD
Julie Blendy, PhD
Erika Bloom, PhD
John R. Blosnich, PhD, MPH
Megan Chenoweth, PhD
Junhan Cho, PhD
Yoojin Cho, MPH
Kelvin Choi, PhD
Patricia Cioe, PhD
Amy Cohn, PhD
Suzanne Colby, PhD
Robert Cole, PhD
Victoria Coleman-Cowger, PhD
Jessica Cook, PhD
Maria Cooper, PhD
Amy L. Copeland, PhD, MP
Jennifer Comacchione Ross, PhD
Ryan Courtney, PhD
Sharon Cox, PhD
Julian Crane, FRCP
Melisa Creamer, PhD
Karen Cropsey, PsyD
Lynne Dawkins, PhD
Emma Dean, BPharm
Rey Decastro, ScD
Rachel Denlinger, MA
Andre Der-Avakian, PhD
Sarah Demody, PhD
Wayne deRuiter, MSc
Elise DeVito, PhD
Ghazali Dezfuli, PhD
Joseph Ditre, PhD
Omara Dogar, MBBS, MPH, PhD
Elisabeth Donaldson, PhD, MHS
Neal Doran, PhD
David Drobes, PhD
Jeff Drope, PhD
Maria Duaso, PhD
Katie East, MSc
Brian Eastwood, MSc
Martin Eichler, PhD
Ed Ellerbeck, MD, MPH
Helen Elsey, PhD
Tara Elton-Marshall, PhD
Sherry Emery, PhD
Kristen Emory, PhD
Anna Epperson, PhD
Rogers Erin, MPH, PhD
Stacey Espinet, PhD
Jean-Francois Etter, PhD
David Evans, PhD
David Fukunle, BA, ABD
Mary Falcone, PhD
Marcelo Febo, PhD
June Feng, PhD
Stuart Ferguson, PhD
Rebecca Ferrer, PhD
Sacha Filia, PhD
Miranda Fisher, BS
Nancy Fleischer, PhD
Evan L. Floyd, PhD
Matthew Ford, PhD
Christie D. Fowler, PhD
Ashley Fox-Loe, PhD
Neal Freedman, PhD, MPH
Brett Froeliger, PhD
Lisa Fucito, PhD
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<th>Year</th>
<th>President</th>
<th>Program Chair(s)</th>
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<tr>
<td>1995</td>
<td>Ovide Pomerleau, PhD</td>
<td>Kenneth Perkins, PhD, Chair</td>
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<td>1996</td>
<td>John Hughes, PhD</td>
<td>Steve Heishman, PhD, Chair</td>
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<td>1997</td>
<td>Neal Benowitz, MD</td>
<td>Steve Heishman, PhD, Chair</td>
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<td>1998</td>
<td>Maxine Stitzer, PhD</td>
<td>Scott J. Leischow, PhD, Chair</td>
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<td>1999</td>
<td>Jack Henningfield, PhD</td>
<td>Joy Schmitz, PhD, Chair</td>
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<td>1999-2000</td>
<td>Dorothy Hatsukami, PhD</td>
<td>David Wetter, PhD, Chair</td>
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<td>2000-2001</td>
<td>William Corrigall, PhD</td>
<td>David Wetter, PhD, Chair, Co-Chair</td>
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<td>2001-2002</td>
<td>Kenneth Perkins, PhD</td>
<td>Thomas Eissenberg, PhD, Chair</td>
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<td>2002-2003</td>
<td>Harry Lando, PhD</td>
<td>Thomas Eissenberg, PhD, Chair, Co-Chair</td>
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<td>2003-2004</td>
<td>Nancy Rigotti, MD</td>
<td>Laura Cousino Klein, PhD, Chair, Co-Chair</td>
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<td>2004-2005</td>
<td>Ken Warner, PhD</td>
<td>David Drobos, PhD, Chair, Co-Chair</td>
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<td>2005-2006</td>
<td>David Balfour, PhD</td>
<td>Suzanne Colby, PhD, Chair, Co-Chair</td>
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<td>2006-2007</td>
<td>Ellen R. Gritz, PhD</td>
<td>Eric C. Donny, PhD, Chair, Co-Chair</td>
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<td>Jennifer Tidey, PhD, Co-Chair</td>
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<td>Janet E. Audrain-McGovern, PhD, Co-Chair</td>
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<td>Cynthia A. Conklin, PhD, Co-Chair</td>
</tr>
</tbody>
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2007-2008
President: Ray Niaura, PhD
Program Chair(s): Janet Audrain-McGovern, PhD, Chair
Bernard Le Foll, MD, PhD, Co-Chair
Robert Scholl, PhD, Co-Chair

2008-2009
President: Scott J. Leischow, PhD
Program Chair(s): Bernard Le Foll, MD, PhD, Chair
Marcus Munafó, PhD, MSc, Chair
Ann McNeill, BSc, PhD, Co-Chair
Robert A. Schnoll, PhD, Co-Chair

2009-2010
President: Sue Curry, PhD
Program Chair(s): Robert A. Schnoll, PhD, Chair
Darlene Brunzell, PhD, Co-Chair
Lisa Dierker, PhD, Co-Chair

2010-2011
President: Caryn Lerman, PhD
Program Chair(s): Thomas Gould, PhD, Chair
Lisa Dierker, PhD, Co-Chair
Megan Piper, PhD, Co-Chair

2011-2012
President: Robert West, PhD
Program Chair(s): Megan Piper, PhD, Chair
Joanna Cohen, PhD, Co-Chair
Kelly Cosgrove, PhD, Co-Chair

2012-2013
President: Gary Swan, PhD
Program Chair(s): Joanna Cohen, PhD, Chair
Cristiano Chiamulera, PharmD, Co-Chair
Sean P. David, MD, SM, DPhil, Co-Chair

2013-2014
President: Anne Joseph, MD, MPH
Program Chair(s): Sean P. David, MD, SM, DPhil, Chair
Angela Attwood, PhD, Co-Chair
Judith J. Prochaska, PhD, MPH, Co-Chair

2014-2015
President: Thomas Gould, PhD
Program Chair(s): Judith J. Prochaska, PhD, MPH, Chair
Maciej L. Goniewicz, PhD, PharmD
Natalie Walker, PhD

2015-2016
President: Robin Mermelstein, PhD
Program Chair(s): Natalie Walker, PhD, Chair
Maciej L. Goniewicz, PhD, PharmD
Rachel Grana Mayne, PhD, MPH

2016-2017
President: Deborah Ossip, PhD
Program Chair(s): Maciej L. Goniewicz, PhD, PharmD, Chair
Rachel Grana Mayne, PhD, MPH
Daniel Kotz, PhD, Msc, MPH
Conference registration will be open daily located in the Key Ballroom Foyer Area, Main Building, Second Floor of the Baltimore Hilton Hotel during the Annual Meeting. Hours for the SRNT registration desk during the conference are as follows:

- Tuesday, February 20: 4:30 p.m.-6:30 p.m.
- Wednesday, February 21: 7:00 a.m.-8:00 p.m.
- Thursday, February 22: 7:15 a.m.-5:00 p.m.
- Friday, February 23: 7:15 a.m.-5:00 p.m.
- Saturday, February 24: 8:00 a.m.-12:30 p.m.

Complimentary Internet access will be available in the hotel meeting space available to all SRNT attendees. We kindly request one device per person. Instructions will be given on site.

**EDUCATIONAL OBJECTIVES**

- Address nicotine and tobacco’s role in the changing health care environment
- Describe new research and clinical data on the effects of nicotine and tobacco
- Discuss recent advances in nicotine and tobacco research
- Highlight international research on tobacco control
- Through scientific exchange, integrate current research with implications for clinical practice
- Address clinical and public health implications of concurrent use of tobacco with other psychoactive substances and drugs.

**TARGET AUDIENCE**

The 24th Annual Meeting of SRNT is geared toward individuals involved in the research of nicotine and tobacco. This includes basic, clinical, policy, and public health scientists from academia, government, and industry.

Please note: Symposia that take place in advance of the meeting, after the meeting’s conclusion, or during evening hours are not part of the SRNT Official Program unless specifically noted. The Program Committee has not reviewed the scientific content of Satellite Symposia. Satellite Symposia presenters are responsible for providing disclosures during their session.
CONTINUING EDUCATION

Physicians

Accreditation Statement: The SRNT Conference activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of Amedco and The Society for Research on Nicotine and Tobacco. Amedco is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement: Amedco designates this live activity for a maximum of 25.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Psychologists

The SRNT Conference activity is co-sponsored by Amedco, and The Society for Research on Nicotine and Tobacco. Amedco is approved by the American Psychological Association to sponsor continuing education for psychologists. Amedco maintains responsibility for this program, and its content for up to 25.25 hours.

NOTE: If you are seeking continuing education credit for a specialty not listed, it is your responsibility to contact your licensing/certification board to determine course eligibility for your licensing/certification requirement.

REQUIREMENTS TO RECEIVE CREDIT (AMA OR APA)

Satisfactory Completion

Participants must complete an evaluation form to receive a certificate of completion. Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available.

LUNCHES

Boxed lunches will be served on Wednesday, Thursday, and Friday (see below). Bring your badge with you, as it will serve as your ticket for lunch.

Wednesday, February 21, 2018
All Pre-Conference Workshop attendees will receive a lunch ticket redeemable for a boxed lunch. The lunches will be available for distribution in the Hilton Baltimore Hotel meeting space: Ballroom Holiday 6 (East Building, Second Floor) starting at 11:45 a.m.

Thursday, February 22, 2018
Boxed lunches will be distributed in the Hilton Baltimore Hotel meeting space: Key Ballroom Foyer area starting at 12:00 noon. Plan to attend Poster Session 1 while eating your boxed lunch!

Friday, February 23, 2018
Boxed lunches will be distributed in the Hilton Baltimore Hotel meeting space: Key Ballroom Foyer area starting at 11:30 a.m. Plan to attend Poster Session 3 while eating your boxed lunch!
Poster sessions have specific times designated for the authors to be present to discuss their posters with attendees in the Hilton Baltimore Hotel meeting space: **Key Ballroom 7-12, Main Building, Second Floor**. Have your SRNT badge at all times to gain access to this area. An attendant will be checking badges at all times. (Refer to the SRNT area maps for exact location.) All posters must be removed immediately during the designated dismantle time for each session outlined below.

The schedule for poster presentation assembly, authors present, and dismantle is as follows:

**Thursday, February 22**

**Poster Session 1**
- 10:00 a.m.–11:00 a.m. ................. Presenters set up posters
- 12:15 p.m.–1:30 p.m. .................. Poster Session 1
  Presenters available at their poster
- 1:30 p.m.–2:00 p.m. ................. Presenters remove their poster

**Poster Session 2**
- 2:30 p.m.–3:30 p.m. ................. Presenters set up posters
- 4:45 p.m.–6:00 p.m. .................. Poster Session 2
  Presenters available at their poster
- 6:00 p.m.–6:30 p.m. ................. Presenters remove their poster

**Friday, February 23**

**Poster Session 3**
- 10:00 a.m.–11:00 a.m. ................. Presenters set up posters
- 11:45 a.m.–1:00 p.m. .................. Poster Session 3
  Presenters available at their poster
- 1:00 p.m.–1:30 p.m. ................. Presenters remove their poster

**Poster Session 4**
- 2:30 p.m.–3:30 p.m. ................. Presenters set up posters
- 5:45 p.m.–7:00 p.m. .................. Poster Session 4
  Presenters available at their poster
- 7:00 p.m.–7:30 p.m. ................. Presenters remove their poster

**Saturday, February 24**

**Poster Session 5**
- 10:00 a.m.–11:00 a.m. ................. Presenters set up posters
- 12:15 p.m.–1:30 p.m. .................. Poster Session 5
  Presenters available at their poster
- 1:30 p.m.–2:00 p.m. ................. Presenters remove their poster
Thank you again for attending the meeting! We hope you enjoy the sessions and Baltimore, Maryland, USA. An overall program evaluation will be emailed to all Annual Meeting participants following the conference. Your feedback is greatly appreciated!

BADGES

Your badge will admit you to all the educational sessions, welcome reception, and poster sessions at the Annual Meeting. Please wear your badge at all times. Thank you.

SPEAKER READY ROOM

Important Information for all Oral Presentations:

The Speaker Ready Room is located in the meeting room Mencken, East Building, Second Floor. Each speaker using computerized audio-visual equipment for their presentation at the 2018 Annual Meeting MUST report to the Speaker Ready Room to load their presentation on the laptop computer that will be used in their session room. Please review the following schedule and make note of these important times:

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<th>If Your Presentation Date/Time is.....</th>
<th>Then Your Time to Load Your Presentation is.....</th>
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<tbody>
<tr>
<td>Thursday, February 22 between 8:00 a.m.-12:00 noon</td>
<td>Report to the Speaker Ready Room between 1:00 p.m.-7:30 p.m. on Wednesday, February 21</td>
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<td>Thursday, February 22 between 1:00 p.m.-5:00 p.m.</td>
<td>Report to the Speaker Ready Room no later than 11:00 a.m. on Thursday, February 22</td>
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<td>Friday, February 23 between 8:00 a.m.-12:00 noon</td>
<td>Report to the Speaker Ready Room no later than 3:00 p.m. on Thursday, February 22</td>
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<td>Friday, February 23 between 1:00 p.m.-5:00 p.m.</td>
<td>Report to the Speaker Ready Room no later than 11:00 a.m. on Friday, February 23</td>
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<td>Saturday, February 24 between 8:00 a.m.-12:30 p.m.</td>
<td>Report to the Speaker Ready Room no later than 3:00 p.m. on Friday, February 23</td>
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A technician from our audio-visual company will be available in the Speaker Ready Room to assist you. The Speaker Ready Room will be open at the following times:

Tuesday, February 20 . . . . . . . . . . . . . . . . . . . . 4:30 p.m.-6:30 p.m.
Wednesday, February 21 . . . . . . . . . . . . . . . . . . 1:00 p.m.-8:00 p.m.*
Thursday, February 22 . . . . . . . . . . . . . . . . . . . . 7:00 a.m.-5:00 p.m.
Friday, February 23 . . . . . . . . . . . . . . . . . . . . . 7:30 a.m.-5:00 p.m.
Saturday, February 24 . . . . . . . . . . . . . . . . . . . . . 7:30 a.m.-11:00 a.m.*

* All Pre-Conference workshop speakers may utilize the speaker ready room on Tuesday, February 20. On Wednesday, February 21, they should report directly to their meeting room as the speaker ready room does not open until 1:00 p.m. An audio-visual tech will be available to assist upon your arrival. Please report at least 20-30 minutes prior to the session start time.
The SRNT will be holding its Members Meeting on Friday, February 23, from 7:30 a.m.-8:15 a.m. in the Holiday Ballroom 1, East Building, Second Floor. All SRNT members are encouraged to attend.

2017-2018 SRNT BOARD OF DIRECTORS

President
Judith J. Prochaska, PhD, MPH

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Executive Director, Ex Officio Board Member
Bruce Wheeler

FUTURE SRNT MEETINGS

SRNT 25th Annual Meeting
February 20-24, 2019
Hilton San Francisco, San Francisco, California

SRNT 26th Annual Meeting
March 11-14, 2020
Hilton New Orleans Riverside, New Orleans, Louisiana

SRNT 27th Annual Meeting
February 24-27, 2021
Hilton Baltimore, Baltimore, Maryland
To ensure the safety and security of our attendees and guests, we have composed the following list of safety rules and guidelines for this conference.

1. When inside the conference venue, nametags should be worn and visibly displayed at all times. For security reasons, we recommend that you DO NOT wear your badge outside of the conference venue. If you lose your badge, please notify registration immediately.

2. If you witness a disruption or security issue, please contact any member of the SRNT staff or security.

3. Please do not leave any bags or articles unsecured in any display area, meeting room, or public area of the hotel.

4. If you note any suspicious articles, packages, persons, or activity please contact the SRNT staff, or security immediately.

5. Do not give your lodging information to any person. You should not open your room door or grant access to any person claiming to be with the event or hotel staff without proper identification. If you have any doubt, do not open your room door and contact the front desk or security.

6. When leaving the hotel, you should take care to secure your identification, cash and credit cards. Valuables in your hotel room should be secured in the room safe or a lock box at the hotel.

7. When venturing outside of the hotel, take reasonable care to protect yourself. Whenever possible, travel with another person. Remove any conference ID badges and make sure that someone knows where you are going and when you expect to return.

8. Attendees at this conference are expected to maintain a level of decorum appropriate to the nature and purpose of our meeting. While exchange and debate is welcome where appropriate, any person who is disruptive or abusive in language or manner will be removed and barred from further conference proceedings.

9. Individual photography is not permitted at the conference. SRNT reserves the right to inspect any and all packages or bags. (Photo Release: By attending the SRNT Annual Meeting all attendees should acknowledge that SRNT may take professional photos and those photos may be placed on the SRNT website without formal consent. Thank you.)
SRNT’s annual awards presentation will be Thursday, February 22, at 8:30 a.m. in the Key Ballroom 1-6, Main Building, Second Floor. Our awards are named after pioneers in the field of nicotine and tobacco research, and we are pleased to remember those pioneers.

**PRESIDENT’S AWARD**

2018 Award Recipient:

**Gary E. Swan, PhD**
Stanford Prevention Research Center
Department of Medicine
Stanford University School of Medicine
Stanford, CA, USA

**THE JOHN SLADE AWARD**

The John Slade Award honors individuals who have made outstanding contributions to public health and tobacco control through science-based public policy and public advocacy.

2018 Award Recipient:

**David L. Ashley, PhD**
RADM (retired) US Public Health Service
Limited-Term Professor
Division of Environmental Health
Atlanta, GA

**JOHN SLADE**

Dr. John Slade was an expert on the treatment of alcohol, tobacco, and drug addiction, and one of America’s pioneer advocates for tobacco control.

He was a member of the team that conducted the first scholarly analysis of previously secret documents from the Brown and Williamson Tobacco Company, which formed the basis for the film “The Insider.” John’s analysis led to a landmark series of articles in the *Journal of the American Medical Association* in 1995, as well as a book, “The Cigarette Papers.” His groundbreaking research to prove that cigarettes are nicotine delivery devices helped make it possible for the Food and Drug Administration to claim regulatory authority over tobacco products under then-FDA Commissioner Dr. David Kessler.

John was appointed Professor of Medicine, Robert Wood Johnson Medical School of the UMDNJ, in 1998. He emerged as a leader in substance abuse prevention and tobacco control for the state of New Jersey through his teaching and clinical work as well as through his active involvement with the Medical Society of New Jersey and the New Jersey Public Health Association. John played a major role in helping New Jersey develop its tobacco prevention and treatment program, funded as part of the 1998 $206 billion settlement with tobacco companies.

He co-edited the first major clinical textbook on nicotine addiction and founded the Committee on Nicotine Dependence of the American Society of Addiction Medicine (ASAM).
2018 NEW INVESTIGATOR BEST ABSTRACT AWARD

2018 Award Recipients:

Seung Hee Choi, PhD, RN
Michigan State University College of Nursing, USA
Abstract title: The Role of Smoking in the Relationship Between Multiple Health Behaviors and All-Cause Mortality Among US Adults

Andrey Khlystov, PhD
Atmospheric Sciences, Desert Research Institute, Reno, NV, USA
Abstract title: The Effect of Puff Topography and Power Settings on Aldehyde and Carbon Monoxide in E-Cigarette Aerosols

Annie R. Peng, BSc, PhD Candidate
Department of Pharmacology & Toxicology, Faculty of Medicine, University of Toronto, Canada
Abstract title: Examination of Different Measures of Varenicline Adherence and Smoking Abstinence

THE JARVIK-RUSSELL NEW INVESTIGATOR AWARD

The Jarvik-Russell Young Investigator Award, named after Murray Jarvik and Michael Russell, recognizes scientists early in their careers who have made extraordinary contributions to the field of nicotine and tobacco research.

2018 Award Recipient:

Andrea Villanti, PhD, MPH
Associate Professor
Department of Psychiatry
Vermont Center on Behavior and Health
University of Vermont

MURRAY E. JARVIK

Dr. Murray Jarvik was born in New York City in 1923. Following medical school, Murray worked at the Yerkes Laboratory in Florida. It was here that he serendipitously witnessed a monkey that would smoke cigarettes. A Fellowship at Mount Sinai Hospital in New York followed, where Murray became one of the pre-eminent researchers studying a newly discovered substance: LSD.

LSD research pivoted Murray into the emerging field of psychopharmacology in the mid-1950’s and to a professorial position at the newly created Albert Einstein School of Medicine. It was here that Murray established himself as a premier researcher on effects of drugs on learning and behavior.

Murray’s interests in the mid-1960s turned toward tobacco smoking. Although Murray continued, initially, to study the effects of other drugs and memory, he eventually shifted his focus to smoking and nicotine addiction almost entirely.

One of the first projects he attempted, spurred by the very memorable observation at Yerkes, was to attempt to get monkeys to smoke. This was partially successful and led to experiments with humans and rats so that by 1970 Murray had collected sufficient data to suggest that nicotine was key in the reinforcement of smoking. His work was included in subsequent Surgeon General Reports on smoking and nicotine addiction.
Perhaps Murray Jarvik’s most notable achievement was work done with Jed Rose in the 1980’s investigating the possibility of delivering nicotine through the skin in sufficient quantities to affect smoking behavior. At first, their approach was quite simple, a basic poultice of nicotine. After much development, they were able to patent the concept of a nicotine transdermal patch, which they turned over to UCLA. It soon made it into production as the second FDA-approved pharmacologic treatment for smoking cessation after nicotine gum. With both established efficacy and ease of use, it was highly successful, for several years among the top three most profitable patents for the University of California.

MICHAEL RUSSELL

By the 1960s, the emerging evidence of the danger of cigarette smoking was clear, but there was very little understanding of why people smoked. Cigarette smoking was generally thought of as a habit, with pharmacological factors receiving little or no attention.

Michael Russell was the man who did most to revolutionize our understanding. His research led to the 1988 report of the US Surgeon General, Nicotine Addiction, which finally brought recognition that cigarette smoking is a classic drug dependence. Russell was a psychiatrist in training at the Maudsley hospital, in south London, when he chose the topic of cigarette smoking for his research thesis in 1967. Based on his review of what was then fragmentary research literature, he concluded in a 1971 paper that the drug nicotine was the motivating force underlying smoking behavior. He made the study of the interacting pharmacological and psychological determinants of tobacco dependence his life’s work.

Mike is regarded by many as the father of effective treatment to help smokers quit. But he is probably best known in the cessation field for a non-pharmacological intervention. In 1979 he published a trial examining the effectiveness of brief advice to quit smoking given by GPs in the course of routine consultations. The one-year success rate was 5%, compared with less than 1% in controls. A successful trial of nicotine chewing gum combined with brief advice in primary care followed. Mike Russell moved toward the concept of an integrated district smoking cessation service, in which routine delivery of advice and pharmacological therapy in primary care was combined with intensive clinic support. That vision has now been realized in Great Britain’s National Health Service.

THE LANGLEY AWARD

The Langley Award honors scientists who have made groundbreaking advances in basic nicotine research in the area of pharmacology, neuroscience and/or genetics.

2018 Award Recipient:
Laura Jean Bierut, MD
Alumni Endowed Professor of Psychiatry
Health & Behavior Research Center
Washington University School of Medicine
St. Louis, MO

JOHN NEWTON LANGLEY

Born in 1852, the son of a private schoolmaster, John Newton Langley was first educated at home and then at Exeter Grammar School before he entered St John’s College, Cambridge, in October 1871. With the aim of qualifying for a career in the Civil Service, he initially studied mathematics, history and other
literary subjects, but changed his plans in his second year and began to read natural sciences. Langley was especially attracted by the classes in elementary biology, embryology and physiology, which were held at Trinity College. Langley’s first study was concerned with the physiological effects of the drug jaborandi (containing pilocarpine), which he examined in the frog, dog, rat and rabbit, noting in particular its decelerating effect on the heart rate and a similarity of its action with that of the alkaloid physostigmine.

From the late 1880s Langley became interested in the structure and function of the vegetative or “involuntary” nervous system. His research explored the hypothesis that not only the heart but all involuntary muscles were innervated by two different, antagonistic types of visceral nerve fibers. By 1886 he had distinguished morphologically the visceral (vegetative) fibers stemming from the thoracic part of the spinal cord (i.e. the sympathetic system) from the fibers that originated from its cervico-cranial and sacral regions (i.e. the parasympathetic system).

Langley’s classic research, performed in the early 1900s, described the effects of nicotine at neuromuscular and autonomic ganglionic sites. This research led directly to theories about the chemical mediation of neuronal transmission and the concept of neuronal receptors. Thus, Langley’s early research contributed to basic findings on the functioning of the nervous systems as well as to understanding of the biological basis of tobacco dependence.

Langley died on 5 November 1925, after very brief illness. At the end of his life he held honorary degrees from the universities of Dublin, St Andrews, Groningen, and Strasbourg.

2018 SRNT TRAVEL AWARD WINNERS

- Lynne Dawkins, England
- Lara Moody, USA
- Raglan Maddox, Australia
- Mackenzie Peltier, USA
- Ukoabasi Isip, Canada
- Yoo Jin Cho, USA
- Into Barrientos-Gutierrez, Mexico
- Samantha Cwalina, USA
- Hlijun Han, China
- Yadira Xitlalli Perez-Paramo, USA
- Charlotte Pauwels, Netherlands
- Cassandra Diane Gipson, USA
2018 HEALTH DISPARITIES TRAVEL AWARD WINNERS

- Jessica Barrington-Trimis, USA
- Cecelia Bergeria, USA
- Sarah Dermody, USA
- Anna Epperson, USA
- Patricia Escobedo, USA
- Stephanie Godleski, USA
- Emily Hebert, USA
- Nancy Jao, USA
- Jayaprakash Kumar, USA
- Barbara Pineiro, USA
- Erika Pinsker, USA
- Samantha Schiavon, USA
- Elise Stevens, USA

2018 SRNT SPONSORS & EXHIBITORS

Plan time in your schedule to visit with the SRNT sponsors and exhibitors. They will be located in the Key Ballroom, South Foyer area, Main Building, Second Floor.

Thanks to all the companies exhibiting this year. SRNT appreciates their financial support!

Exhibit Hours:

- Thursday, February 22, 2018 . . . . . . . . . . . . . . 9:30 a.m.-3:30 p.m.
- Friday, February 23, 2018 . . . . . . . . . . . . . . . 9:30 a.m.-4:00 p.m.

2018 SRNT SUPPORTORS

SRNT would like to thank Battelle, Pfizer, and Westat for their financial support of the 2018 annual meeting, and SRNT’s mission to stimulate the generation and dissemination of new knowledge concerning nicotine in all its manifestations, from cellular to societal.
* See next page for Poster Session / Exhibit Area Detail
TUESDAY, FEBRUARY 20, 2018

4:30 p.m.-6:30 p.m.
Key Ballroom Foyer (Main Building, Second Floor)
SRNT Registration

4:30 p.m.-6:30 p.m.
Mencken (East Building, Second Floor)
Speaker Ready Room

WEDNESDAY, FEBRUARY 21, 2018

7:00 a.m.-8:00 p.m.
Key Ballroom Foyer (Main Building, Second Floor)
Registration

8:30 a.m.-12:00 noon
Pre-Conference Workshops
(Available at an additional fee)

8:30 a.m.-12:00 noon
Latrobe (East Building, First Floor)
Pre-Conference Workshop #1
Introduction to the Multiphase Optimization Strategy (MOST) for Building More Effective, Efficient, Economical, and Scalable Behavioral and Biobehavioral Interventions
Moderator and Presenter: Linda M. Collins, PhD, The Methodology Center and Department of Human Development and Family Studies, Pennsylvania State University
Sponsoring Organization: N/A

8:30 a.m.-12:00 noon
Holiday Ballroom 1 (East Building, Second Floor)
Pre-Conference Workshop #2
PATH Study Data and Resources
Presenters: Kristie Taylor, PhD, Westat; Katy Edwards, PhD, Westat; Robert Choate, MS, NAHDAP/ICPSR/University of Michigan
Moderators: Heather Kimmel, PhD, National Institute on Drug Abuse (NIDA)/NIH; and Karl A. Poonai, MAA, MPH, Center for Tobacco Products (CTP)/FDA
Sponsoring Organizations: NIDA/FDA

8:30 a.m.-12:00 noon
Holiday Ballroom 3 (East Building, Second Floor)
Pre-Conference Workshop #3
Alternative Careers for Individuals in Tobacco and Nicotine Research
Presenters: Amy Avila, PhD, FDA; Albert Avila, PhD, NIDA; Elizabeth C. Hair, PhD, MA, Truth Initiative Schroeder Institute; Mary Kautz, PhD, NIDA; Glenda Lassi, PhD, Astra-Zeneca and University of Bristol; Cindy Miner, PhD, NHLBI; Kymerber Sterling, DrPH, MPH, Bettelle Memorial Institute; Andrea Villanti, PhD, MPH, University of Vermont
Moderators: Allison Borges, Rutgers, SRNT Trainee Network; Christie Fowler, PhD, University of California, Irvine, SRNT Basic Science Network
Sponsoring Organizations: SRNT Trainee Advisory Network and SRNT Basic Science Network
8:30 a.m.-12:00 noon
Johnson A-B (East Building, First Floor)

Pre-Conference Workshop #4
Adolescent and Young Adult Nicotine Dependence in the Contemporary Tobacco Landscape

Presenters: Robin Mermelstein, PhD, University of Illinois at Chicago; Mark Rubinstein, MD, University of California, San Francisco; David Strong, PhD, University of California, San Diego; Amy K. Ferketch, PhD, The Ohio State University; Jessica Barrington-Trimis, PhD, University of Southern California; Melissa Creamer, PhD, and Kathleen Case, DrPH, UT Health School of Public Health in Austin; Susan Flocke, PhD, Case Western Reserve University

Moderators: Alexandra Loukas, PhD, University of Texas at Austin; and Yvonne Hunt, PhD, MPH, National Cancer Institute

Sponsoring Organization: SRNT Adolescent Network

8:30 a.m.-12:00 noon
Holiday Ballroom 2 (East Building, Second Floor)

Pre-Conference Workshop #5
Innovations in Tobacco Treatment Research: New Treatments and Methodologies

Presenters: Jonathan B. Bricker, PhD, Fred Hutchinson Cancer Research Center; Christopher R. Bullen, MD, MPH, University of Auckland; Michael S. Businelle, PhD, University of Oklahoma Health Science Center; Kelly Carpenter, OptumHealth; Lion Shahab, MA (Oxon) MSc MSc PhD CPsychol PGCLTHE, University College London; and Natalie K. Walker, PhD, MSc, DPH, University of Auckland, NIH

Moderator: Erik Auguston, NCI

Sponsoring Organization: SRNT Treatment Research Network

8:30 a.m.-12:00 noon
Peale BC (East Building, First Floor)

Pre-Conference Workshop #6
Engaging Indigenous Communities in Tobacco Control Research

Presenters: Jennifer Cantrell, DrPh, MPA, Truth Initiative; Won Choi, PhD, University of Kansas Medical Center; Ashley Comiford, DrPh, Cherokee Nation; Narinder Dhaliwal, MA, Education, Training, and Research, Inc.; Joanne D'Silva, MPH, ClearWay Minnesota; David Gahn, MD, Indian Health Service; Gary Hayward, MA, Win-River Casino, Redding Rancheria; Jeffrey A. Henderson, MD, MPH, Black Hills Center for American Indian Health; Patricia Nez Henderson, MD, MPH, Black Hills Center for American Indian Health; Scott Leischow, PhD, Arizona State University; Raymond Lovett, MAE, PhD, Australian National University; Raglan Maddox, PhD, MPH, Well Living House, St. Michael's Hospital, University of Canberra; Paul Mowery, MA, Biostatistics, Inc.; Janet Smylie, MD, FCFP, MPH, St. Michael's Hospital, Ontario; Andrew Waa, MPH, BScSc, University of Otago

Moderators: Patricia Nez Henderson, MD, MPH, Black Hills Center for American Indian Health; and Scott Leischow, PhD, Arizona State University

Sponsoring Organization: SRNT Health Disparities Network
8:30 a.m.-12:00 noon
Ruth (East Building, First Floor)
Pre-Conference Workshop #7
Today’s Smokers—New Challenges in a Changing Population

Moderators: Kevin M. Walton, PhD, National Institute on Drug Abuse, National Institutes of Health; James M. Davis, MD, Duke University

Speakers: Rachel Widome, PhD, School of Public Health, University of Minnesota; David W. Wetter, PhD, MS, Huntsman Cancer Institute, University of Utah; Carolyn Reyes-Guzman, PhD, MPH, National Cancer Institute, National Institutes of Health; Saul Shiffman, PhD, University of Pittsburgh; Michael J. Zvolensky, PhD, University of Houston; A. Eden Evins, MD, MPH, Massachusetts General Hospital and Harvard Medical School; Serena Tonstad, MD, PhD, MPH, Oslo University Hospital and Loma Linda University; Nancy Rigotti, MD, Massachusetts General Hospital and Harvard Medical School; Tamar M. J. Antin, DrPH, MAA, Pacific Institute for Research and Evaluation; Carlos Blanco, MD, PhD, National Institute on Drug Abuse, National Institutes of Health

Sponsoring Organization: N/A

8:30 a.m.-12:00 noon
Peale A (East Building, First Floor)
Pre-Conference Workshop #8
Sample Size Calculations for Observational and Experimental Studies in Tobacco Control

Moderator and Presenter: Israel Agaku, DMD, MPH, PhD, is a senior scientist in the Office on Smoking and Health at CDC. He is an Associate Editor of the Journal of Tobacco Induced Diseases, and an Adjunct Faculty at the Harvard School of Dental Medicine, Boston, MA

Sponsoring Organization: N/A

10:00 a.m.-10:30 a.m.
Holiday Ballroom 1—North Foyer (East Building, 2nd Floor)
Lobby B—Latrobe Foyer (East Building, 1st Floor)
Pre-Conference Workshop Refreshment Breaks

12:00 Noon-1:15 p.m.
Holiday Ballroom 6 (East Building, Second Floor)
Lunch Break
(All attendees must wear their pre-conference workshop badges and present a lunch ticket to receive a boxed lunch.)

1:00 p.m.-3:15 p.m.
Network Meetings
Plan to join your colleagues and attend the Network meeting of interest.

1:00 p.m.-2:00 p.m.
Johnson A-B (East Building, First Floor)
Adolescent Network Meeting

1:00 p.m.-2:00 p.m.
Peale A (East Building, First Floor)
Genetics Network Meeting

1:00 p.m.-2:00 p.m.
Ruth (East Building, First Floor)
Global Research Network Meeting

1:00 p.m.-2:00 p.m.
Holiday Ballroom 2 (East Building, Second Floor)
Health Disparities Network Meeting

2:15 p.m.-3:15 p.m.
Latrobe (East Building, First Floor)
Basic Science Network Meeting
Program • Wednesday, February 21, 2018

2:15 p.m.-3:15 p.m.
Peale BC (East Building, First Floor)
Policy Research Network Meeting

2:15 p.m.-3:15 p.m.
Holiday Ballroom 3 (East Building, Second Floor)
Treatment Research Network Meeting

1:00 p.m.-8:00 p.m.
Mencken (East Building, Second Floor)
Speaker Ready Room

3:30 p.m.-4:15 p.m.
Holiday Ballroom 1 (East Building, Second Floor)
Food and Drug Administration’s Center for Tobacco Products: An Update on Regulatory Activities and Priorities
Session Chair: Mitch Zeller, JD
Speakers: Mitch Zeller, JD, Director, Center for Tobacco Products, FDA; Matthew R. Holman, PhD, Director, Office of Science, Center for Tobacco Products, FDA; and Kathy Crosby, Director, Office of Health Communications and Education, Center for Tobacco Products, FDA

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

4:30 p.m.-5:15 p.m.
Holiday Ballroom 1 (East Building, Second Floor)
Investigational Research Issues with Electronic Nicotine Delivery Systems and Other Tobacco Products: FDA Center for Tobacco Products (CTP) and FDA Center for Drug Evaluation and Research (CDER) Joint Session
Session Chair/Moderator: Judith J. Prochaska, PhD, MPH, President, SRNT, Associate Professor, Stanford University
Panelists: Mitch Zeller, JD, Director, Center for Tobacco Products; Janet Woodcock, MD, Director, Center for Drug Evaluation and Research; Priscilla Callahan-Lyon, MD, Deputy Director, Division of Individual Health Science, Center for Tobacco Products; Grail Sipes, JD, Director, Office of Regulatory Policy, Center for Drug Evaluation and Research

5:15 p.m.-5:30 p.m.
Break

5:30 p.m.-6:45 p.m.
Key Ballroom 1-6 (Main Building, Second Floor)
Opening Session: Presidential Symposium
Reducing Nicotine Content in Cigarettes: A Discussion of the Evidence and Policy Implications
Session Chair: Dorothy K. Hatsukami, PhD, Masonic Cancer Center, University of Minnesota, Minneapolis, MN, USA
Presenters: Eric Donny, PhD, Wake Forest University; Dorothy K. Hatsukami, PhD, University of Minnesota; Stephen Higgins, PhD, University of Vermont; Saul Shiffman, PhD, University of Pittsburgh
Panelists: Suchitra Krishnan-Sarin, PhD, Yale University; Kurt Ribisl, PhD, University of North Carolina; Natalie Walker, PhD, University of Auckland; Mitch Zeller, JD, Center for Tobacco Products, FDA

The U.S. Food and Drug Administration recently announced the agency’s intent to consider reducing the nicotine content of cigarettes as a regulatory action to reduce cigarette smoking. The proposal is intended to facilitate abstinence among smokers who are interested in quitting and could prevent the progression to dependence among those experimenting with cigarettes. To date, the research shows that the level of nicotine that consistently results in reduced smoking and cigarette dependence and increased quit attempts is < 0.4 mg/g of tobacco. This dose is also associated with minimal compensatory smoking and other
unintended consequences. This session will include scientific presentations of relevant evidence to date and a panel discussion about the implications of the evidence in the context of the proposed reduced nicotine policy and larger tobacco control climate. Dr. Dorothy Hatsukami will moderate the panel discussion and provide a brief introduction to the session. Dr. Stephen Higgins will describe the most recent epidemiological and human laboratory studies on the impact of reduced nicotine content cigarettes in vulnerable populations including smokers with affective disorders, opioid dependence and socially disadvantaged women. Dr. Saul Shiffman will describe the impact of RNC cigarettes among intermittent smokers. Dr. Hatsukami will present results from a recent study on the best approach to reducing nicotine in cigarettes: immediate vs. gradual reduction. Four panelists will offer their perspectives: Dr. Suchitra Krishnan-Sarin will discuss important research gaps and relevant contextual issues to date. Dr. Kurt Ribisl will discuss the tax and trade issues for consideration in the context of such a policy. Dr. Mitch Zeller will provide a tobacco regulatory and policy perspective. Similar reduced nicotine policies and related research is being conducted outside the US. Lessons learned outside of the US will be presented by Dr. Natalie Walker.

6:45 p.m.-8:00 p.m.
Holiday Ballroom 4-6 (East Building, Second Floor)
Opening Welcome Reception
All attendees are welcome! Cash bar and hors d’oeuvres
7:00 a.m.-5:00 p.m.  
Mencken (East Building, Second Floor)  
**Speaker Ready Room**

7:15 a.m.-5:00 p.m.  
Key Ballroom Foyer (Main Building, Second Floor)  
**Registration**

7:15 a.m.-8:15 a.m.  
Paca (Main Building, Third Floor)  
**Health Disparities Network Breakfast Meeting**

8:30 a.m.-10:00 a.m.  
Key Ballroom 1-6 (Main Building, Second Floor)  
**Welcome/Awards/Plenary Theme Lecture**

8:30 a.m.  
**Welcome and Opening Remarks by the President of SRNT**  
Judith J. Prochaska, PhD, MPH

8:40 a.m.  
**Awards**  
Thomas J. Glynn, PhD  
Chair, Awards Sub-Committee

- **President’s Award**  
  Gary E. Swan, PhD  
  Stanford Prevention Research Center  
  Department of Medicine  
  Stanford University School of Medicine  
  Stanford, CA, USA

- **John Slade Award**  
  David L. Ashley, PhD  
  RADM (retired) US Public Health Service  
  Limited-Term Professor  
  Division of Environmental Health  
  Atlanta, GA

- **2018 New Investigator Best Abstract Award Recipients**  
  Seung Hee Choi, PhD, RN  
  Michigan State University College of Nursing, USA  
  **Abstract title:** The Role of Smoking in The Relationship Between Multiple Health Behaviors and All-Cause Mortality Among US Adults
  Andrey Khlystov, PhD  
  Atmospheric Sciences, Desert Research Institute, Reno, NV, USA  
  **Abstract title:** The Effect of Puff Topography and Power Settings on Aldehyde and Carbon Monoxide in E-Cigarette Aerosols
  Annie R. Peng, BSc, PhD Candidate  
  Department of Pharmacology and Toxicology, Faculty of Medicine, University of Toronto, Canada  
  **Abstract title:** Examination of Different Measures of Varenicline Adherence and Smoking Abstinence.

- **Jarvik-Russell New Investigator Award**  
  Andrea Villanti, PhD, MPH  
  Associate Professor  
  Department of Psychiatry  
  Vermont Center on Behavior and Health  
  University of Vermont

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**Audience Key:**  
BS: Basic Science; PC: Pre-Clinical; C: Clinical; PH/E: Public Health/Epidemiology; P: Policy; HD: Health Disparities; I: International; LMIC: Lower-Middle Income Countries; T=Treatment
The Langley Award
Laura Jean Bierut, MD
Alumni Endowed Professor of Psychiatry
Health & Behavior Research Center
Washington University School of Medicine
St. Louis, MO

9:00 a.m.-10:00 a.m.
Pre-Clinical Theme Plenary and Recipient of the 2018 Langley Award
Bringing Precision Medicine to Smoking Cessation
Session Chair: Dorothy K. Hatsukami, PhD
Speaker: Laura Jean Bierut, MD
Alumni Endowed Professor of Psychiatry
Health & Behavior Research Center
Washington University School of Medicine
St. Louis, MO

9:30 a.m.-3:30 p.m.
Key Ballroom, South Foyer area (Main Building, Second Floor)
Exhibits Open

10:00 a.m.-10:30 a.m.
Key Ballroom, South Foyer area (Main Building, Second Floor)
Exhibitor Time
Refreshment Break

10:30 a.m.-12:00 noon
Key Ballroom 1-6 (Main Building, Second Floor)
Podium Presentation 1: Symposium 1
HEALTH EFFECTS OF ELECTRONIC CIGARETTES AND RECOMMENDATIONS FOR RESEARCH: THE 2018 REPORT OF THE NATIONAL ACADEMIES OF SCIENCE, ENGINEERING, AND MEDICINE FOR THE FDA CENTER FOR TOBACCO PRODUCTS
Chair: Nancy Rigotti, MD
Co-Chair: Adam Leventhal, PhD
Audience: P, C, PH/E, C

SYM1A: PHYSICAL AND CHEMICAL CHARACTERISTICS OF E-CIGARETTES AND EXPOSURES AMONG USERS AND NONUSERS: FINDINGS FROM A REPORT OF THE U.S. NATIONAL ACADEMIES OF SCIENCES, ENGINEERING, AND MEDICINE
Gideon St.Helen*

SYM1B: THE HEALTH EFFECTS OF E-CIGARETTES: FINDINGS FROM A REPORT OF THE U.S. NATIONAL ACADEMIES OF SCIENCE, ENGINEERING, AND MEDICINE
Sharon McGrath-Morrow*, Ana Navas-Acien, Anthony Alberg, David Savitz

SYM1C: THE EFFECT OF E-CIGARETTE USE ON COMBUSTIBLE CIGARETTE SMOKING INITIATION AND CESSATION: FINDINGS FROM A REPORT OF THE U.S. NATIONAL ACADEMIES OF SCIENCES, ENGINEERING, AND MEDICINE
Adam Leventhal*, Nancy Rigotti

SYM1D: E-CIGARETTES AS A HARM REDUCTION TOOL: FINDINGS FROM A REPORT OF THE U.S. NATIONAL ACADEMIES OF SCIENCE, ENGINEERING, AND MEDICINE
Maciej Goniewicz*

SYM1E: MODELLING THE PUBLIC HEALTH EFFECTS OF ELECTRONIC CIGARETTES: FINDINGS FROM A REPORT OF THE U.S. NATIONAL ACADEMIES OF SCIENCE, ENGINEERING, AND MEDICINE
David Mendez*
10:30 a.m.-12:00 noon
Holiday Ballroom 4 (East Building, Second Floor)

Podium Presentation 1: Symposium 2
COMMUNICATING SCIENCE TO POLICYMAKERS
Chair: Nicole Nicksic, PhD, MPH
Co-Chair: Desmond Jenson, JD; Andrea Villanti, PhD, MPH

SYM2A: FRAMING RESEARCH FOR PUBLIC HEALTH POLICYMAKERS
David Holtgrave*

SYM2B: CIGARETTE TAXATION: A HISTORIC TOBACCO CONTROL SCIENCE-TO-POLICY SUCCESS STORY
Kenneth Warner*

SYM2C: RESEARCH IN ACTION: USING DATA TO ADVOCATE FOR A MENTHOL TOBACCO RESTRICTION IN MINNEAPOLIS
Betsy Brock*, Kristen Werner, LaTrisha Vetaw, Molly Moilanen, Barbara Schillo

SYM2D: EMOTION IN THE LAW AND THE LAB: THE CASE OF GRAPHIC CIGARETTE WARNINGS
Ellen Peters, Abigail Evans, Natalie Hemmerich*, Micah Bern

10:30 a.m.-12:00 noon
Peale ABC (East Building, First Floor)

Podium Presentation 1: Symposium 3
THE IMPACT OF WATERPIPE CONSTITUENTS, COMPOUNDS, AND DESIGN FEATURES ON TOXICITY: A CALL FOR REGULATORY ACTION
Chair: Wasim Maziak, MD, PhD
Co-Chair: Eva Sharma, PhD, MPH

SYM3A: ROLE OF FLAVOR IN WATERPIPE EXPERIENCE, EXPOSURES, AND SMOKING BEHAVIOR
Ziyad Ben Taleb, Raed Bahelah, Rana Jaber, Mayra Vargas-Rivera, Olatokunbo Osibogun, Mohammed Ebrahim-Kalan, Wasim Maziak*

SYM3B: COMPARISON OF WATERPIPE SMOKERS’ EXPOSURES WHEN USING HARM REDUCTION ACCESSORIES
Marielle Brinkman*, Hyoshin Kim, Stephanie Buehler, Anna Adetona, Sydney Gordon, Pamela Clark

SYM3C: IMPACT OF SHISHA CONSTITUENTS, HEATING METHOD, PIPE HEIGHT, AND HOSE LENGTH ON PARTICLE CONCENTRATIONS AND SIZE DISTRIBUTIONS IN WATERPIPE TOBACCO SMOKE
Cindy Hauser*, David DeGroom, Sarah Coats, Ronnae Mailig, Sam Lidsky

SYM3D: SHISHA CONSTITUENTS AND HEATING METHOD AFFECT THE CYTOTOXICITY OF WATERPIPE TOBACCO SMOKE ON ALVEOLAR CELLS
Karen Bernd*, John Cook, Noa Schork, Shi Chen, Chisom Odoemena, Hannah Stadtlr

SYM3E: PERCEPTIONS AND PREFERENCES FOR WATERPIPE TOBACCO FLAVORS IN PREGNANT MOTHERS: A NOVEL CORRESPONDENCE ANALYSIS APPROACH
Laura Stroud*, George Papandonatos, Tessa Kehoe, Margaret Bublitz, Lori Scott-Sheldon

Audience Key: BS: Basic Science; PC: Pre-Clinical; C: Clinical; PH/E: Public Health/Epidemiology; P: Policy; HD: Health Disparities; I: International; LMIC: Lower-Middle Income Countries; T=Treatment
10:30 a.m.-12:00 noon
Holiday Ballroom 5 (East Building, Second Floor)

Podium Presentation 1: Symposium 4
REACHING, ENGAGING, AND INTERVENING WITH BEHAVIORAL HEALTH SMOKERS
Chair: Carlo DiClemente, PhD, ABPP

Audience: PH/E, C

SYM4A: IMPLEMENTATION OF A SMOKING CESSATION PROGRAM IN A LARGE PSYCHIATRIC HOSPITAL SETTING
Faith Dickerson*, Rachel Smolowitz

SYM4B: SUPPORTING IMPLEMENTATION OF A STATEWIDE SMOKING CESSATION INTERVENTION AMONG MARYLAND BEHAVIORAL HEALTH AGENCIES
Rebecca Schacht*, Alicia Wiprovnick, Daniel Knoblach, Megan Graydon, Catherine Corno, Carlo DiClemente

SYM4C: TOBACCO DEPENDENCE AND SMOKING CESSATION: REACHING VETERANS WITH SERIOUS MENTAL ILLNESS
Melanie Bennett*, Julie Kreyenbuhl, Lache Wilkins

SYM4D: SMOKING CESSATION IN THE COMPREHENSIVE CARDIOVASCULAR RISK REDUCTION TRIAL IN PERSONS WITH SERIOUS MENTAL ILLNESS REDUCTION (IDEAL)
Corinne Cather*, Faith Dickerson, Arlene Dalcin, Gerald Jerome, Nae-Yuh Wang, Deborah Young, Joseph Gennusa, Stacy Goldscholl, Ann Heller, Courtney Cook, Edgar Miller, Lawrence Appel, A. Eden Evins, Gail Daumit

10:30 a.m.-12:00 noon
Ruth (East Building, First Floor)

Podium Presentation 1: Symposium 5
UNDERSTANDING SMOKING PATTERNS, STIGMA, AND SMOKING CESSATION TREATMENT ENGAGEMENT IN THE SEXUAL AND GENDER MINORITY POPULATION
Chair: Danielle Ramo, PhD

Audience: P, I, LMIC

SYM5A: SEXUAL ORIENTATION DISCRIMINATION, TOBACCO USE DISORDER, AND ELIGIBILITY FOR LUNG CANCER SCREENING AMONG U.S. ADULTS
Sean McCabe*, Alicia Matthews, Joseph Lee, Tonda Hughes, Brady West, Phil Veliz, Carol Boyd

SYM5B: THE ROLE OF MULTIPLE SOCIAL IDENTITIES IN DISCRIMINATION AND PERCEIVED SMOKER-RELATED STIGMA AMONG SEXUAL AND GENDER MINORITY CURRENT OR FORMER SMOKERS: AN INTERSECTIONAL APPROACH
Sharon Lipperman-Kreda*, Tamar Antin, Emile Sanders, Malissa Young

SYM5C: SMOKING CESSATION AND HEALTH RISK BEHAVIORS AMONG SEXUAL AND GENDER MINORITY YOUNG ADULTS PARTICIPATING IN A FACEBOOK SMOKING CESSATION INTERVENTION TRIAL
Erin Vogel*, Johannes Thrul, Danielle Ramo

SYM5D: DEVELOPMENT OF A SMOKING CESSATION INTERVENTION FOR SEXUAL AND GENDER MINORITY YOUNG ADULTS ON FACEBOOK: A SYSTEMATIC APPROACH
Danielle Ramo*, Alina Belohlavcek, D'Arius Hambrick, Johannes Thrul, Judith Prochaska, Kevin Delucchi, Urmimala Sarkar, Gary Humfleet
10:30 a.m.-12:00 noon
Johnson A-B (East Building, First Floor)

Podium Presentation 1: Symposium 6
TRANSLATING GENETIC RESEARCH INTO CLINICAL PRACTICE FOR PRECISION MEDICINE TOBACCO TREATMENT—SRNT GENETICS NETWORK
Chair: Sean David, MD, SM, DPhil
Audience: PC

SYM6A: STATE OF THE SCIENCE OF GENETICALLY-INFORMED TOBACCO TREATMENT BIOMARKER RESEARCH AND DEVELOPMENT
Andrew Bergen*, James Baurley

SYM6B: RESULTS FROM THE FIRST COCHRANE SYSTEMATIC REVIEW AND META-ANALYSES OF GENETICALLY-INFORMED BIOMARKERS FOR SMOKING CESSATION
Sean David*, Andrew Bergen, Ewoud Schuit, Orestis Panagiotou, Marcus Munafò, Derrick Bennett

SYM6C: WILL MY GENES INFORM MY PERSONALIZED RISK, TREATMENT, AND PREVENTION?
Li-Shiun Chen*, Timothy Baker, Laura Bierut

SYM6D: MULTI-STAKEHOLDER PANEL DISCUSSION OF TRANSLATION INTO EVIDENCE-BASED PRECISION MEDICINE FOR TOBACCO TREATMENT
Robert Schnoll*, Timothy Baker, Li-Shiun Chen, Kristopher Bough, Andrew Bergen, James Baurley, Sean David

10:30 a.m.-12:00 noon
Holiday Ballroom 2 (East Building, Second Floor)

Podium Presentation 1: Paper Session 1
EXPANDING TOBACCO-FREE POLICIES
Chair: Bob Vollinger, MSPH
Audience: PH/E, P

PA1-1: EXAMINING SELF-REPORTED TOBACCO SMOKE EXPOSURE AND EMERGENCY DEPARTMENT UTILIZATION AMONG US ADOLESCENTS WITH ASTHMA FROM WAVE 1 OF THE POPULATION ASSESSMENT OF TOBACCO AND HEALTH (PATH) STUDY
Ashley Merianos*, Roman Jandarov, E. Melinda Mahabee-Gittens

Bridget Hyland, Andrew Hyland*, Cheryl Rivard, Karin Kasza, Maansi Bansal-Travers, Christine Sheffer

PA1-3: CHILDREN’S UPTAKE OF TOBACCO-RELATED TOXICANTS WHILE LIVING IN VAPING, SMOKING, AND NON-TOBACCO USING HOMES
Theodore Wagener*, David Fedele, Elise Turner, Irina Stephanov, Alexis Moisiuc, Jessica Son, Neil Molina, Eleanor Leavens, Raees Shaikh

PA1-4: SMOKE-FREE POLICY ENFORCEMENT, COMPLIANCE AND THE PROVISION OF SMOKING CESSATION CARE IN HOSPITALS
Sam McCrabb*, John Attia, Amanda Baker, Zsolt Balogh, Natalie Lott, Kerrin Palazzi, Justine Naylor, Ian Harris, Christopher Doran, Johnson George, Luke Wolfenden, Eliza Skelton, Billie Bonevski

Audience Key: BS: Basic Science; PC: Pre-Clinical; C: Clinical; PH/E: Public Health/Epidemiology; P: Policy; HD: Health Disparities; I: International; LMIC: Lower-Middle Income Countries; T=Treatment
PA1-5: ENHANCING SMOKE-FREE POLICY IMPLEMENTATION STRATEGIES IN LOW INCOME HOUSING: FINDINGS FROM A RANDOMIZED CONTROLLED TRIAL
Vaughan Rees*, Jessica Davine, Robyn Keske, Natasha Sokol, Alan Geller

PA1-6: ATTITUDES TOWARDS ELECTRONIC VAPOR PRODUCT USE IN INDOOR PUBLIC PLACES AMONG US ADULTS, 2017
Teresa Wang*, Kristy Marynak, Andrea Gentzke, Brian King

10:30 a.m.-12:00 noon
Holiday Ballroom 3 (East Building, Second Floor)
Podium Presentation 1: Paper Session 2
TOBACCO PRODUCT WARNINGS: RESEARCH TO POLICY
Chair: Kelly Blake, ScD
Audience: PH/E, P
PA2-1: HOPE + SHAME = GREATER INTENTIONS TO QUIT: EMOTIONAL RESPONSES TO EXPERIMENTAL CIGARETTE WARNING LABELS
Lucy Popova*, Daniel Owusu, Katherine Masyn
PA2-2: Effects of Visual Features in Graphic Tobacco Warning Labels on Quitting Intention: A Least Absolute Shrinkage and Selection Operator (LASSO) Approach
Sijia Yang*, Jazmyne Sutton, Joseph Cappella
PA2-3: THE IMPACT OF HEALTH WARNING LOCATION, FRAMING, TYPE, IMMEDIACY, AND SEVERITY ON VISUAL ATTENTION AND SELF-REPORTED AVOIDANCE
Olivia Maynard*, Carlos Silero-Rejon, Ute Leonards, Janet Hoek, Benjamin Toll, Harry Gove, Isabel Willis, Rose Barry, Abi Robinson, Marcus Munafò
PA2-4: How do conversations about pictorial cigarette pack warnings impact quit attempts? A multiple mediational analysis of a randomized controlled trial
Jennifer Morgan*, Shelley Golden, Seth Noar, Kurt Ribisl, Brian Southwell, Michelle Jeong, Marissa Hall, Noel Brewer
PA2-5: ASSESSING CIGARETTE PACKAGING AND LABELING POLICY EFFECTS ON EARLY ADOLESCENTS: RESULTS FROM A DISCRETE CHOICE EXPERIMENT
James Thrasher*, Farahnaz Islam, Edna Arillo-Santillán, Inti Barrientos-Gutierrez, Victoria Lambert, Yoo Jin Cho, Ramzi Salloum, Jordan Louviere

10:30 a.m.-12:00 noon
Holiday Ballroom 1 (East Building, Second Floor)
Podium Presentation 1: Paper Session 3
CONTEXTUAL, BEHAVIORAL, AND DEMOGRAPHIC PREDICTORS OF SMOKING CESSION SUCCESSES
Chair: Hayden McRobbie, PhD
Audience: C, PH/E
PA3-1: SCHOOL-LEVEL DISADVANTAGE AND FAILED CESSION TREATMENT AMONG ADOLESCENT SMOKERS
Kimberly Horn*, Maliha Ali, Tiffany Gray, Andrew Anesetti-Rothermel, Steven Branstetter
PA3-2: IN-THE-MOMENT CONTEXTUAL INFLUENCES ON “TRYING TO QUIT” EPISODES AMONG YOUNG ADULT SMOKERS
Andrea Villanti*, Amanda Johnson, Donald Hedeker, Robin Mermelstein
PA3-3: A SOCIO-SPATIAL APPROACH TO BROADENING EXPLANATIONS OF ADOLESCENT TOBACCO CESSATION OUTCOMES
Kimberly Horn*, Maliha Ali, Tiffany Gray, Andrew Anesetti-Rothermel, Steven Branstetter

PA3-4: DYNAMIC PATTERNS OF SELF-EFFICACY AND QUITTING SMOKING: AN ECOLOGICAL MOMENTARY ASSESSMENT STUDY
Claire Spears*, Liang Li, Christine Vinci, Cho Lam, David Wetter

PA3-5: MENOPAUSAL STATUS IS ASSOCIATED WITH FAILURE TO QUIT SMOKING IN A 10-YEAR EPIDEMIOLOGICAL SAMPLE: RESULTS FROM THE STUDY OF WOMEN'S HEALTH ACROSS THE NATION (SWAN)
MacKenzie Peltier*, Sherry McKee

10:30 a.m.-12:00 noon
Holiday Ballroom 6 (East Building, Second Floor)
Podium Presentation 1: Paper Session 4
STRATEGIES FOR OPTIMIZING AND PERSONALIZING SMOKING TREATMENT
Chair: Laurie Zawertailo, PhD
Audience: C

PA4-1: INCREASING THE DOSE OF NICOTINE REPLACEMENT TREATMENT TO INDIVIDUAL NEEDS: A PILOT STUDY
Dunja Przulj*, Luis Wehbe, Felicitas Fernandez Voena, Jaqueline Herrera, Mariana Gonzalez, Hayden McRobbie

PA4-2: OPTIMIZING SMOKING TREATMENT ON BOTH EFFECTIVENESS AND COST AS PART OF THE MULTIPHASE OPTIMIZATION STRATEGY (MOST)
Megan Piper*, Stevens Smith, Linda Collins, Daniel Bolt, David Fraser, Marlon Mundt, Michael Fiore, Timothy Baker

PA4-3: PREDICTING SUCCESSFUL QUITTERS: A CLASSIFICATION-BASED APPROACH TO GROUP CBT RESPONDERS
Lara Moody*, Allison Tegge, Elan Perry, Christine Sheffer, Warren Bickel

PA4-4: EVALUATION OF A WEIGHTED GENETIC RISK SCORE MODEL FOR THE PREDICTION OF NICOTINE METABOLISM
Ahmed El-boraie*, Taraneh Taghavi, Meghan Chenoweth, Caryn Lerman, Neal Benowitz, Rachel Tyndale

PA4-5: CAN WE INCREASE SMOKING CESSATION MEDICATION ADHERENCE AND DOES IT MATTER?
Tanya Schlam*, Timothy Baker, Jessica Cook, Todd Hayes-Birchler, Daniel Bolt, Stevens Smith, Michael Fiore, Megan Piper

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

12:15 p.m.-1:30 p.m.
Key Ballroom 7-12 (Main Building, Second Floor)
Poster Session 1: Pre-Clinical and Policy

12:15 p.m.-1:30 p.m.
Key Ballroom Foyer (Main Building, Second Floor)
Lunch Break
Boxed lunches will be distributed starting at 12:00 noon. Plan to attend Poster Session 1 while eating your boxed lunch!
1:30 p.m.-2:30 p.m.
Key Ballroom 1-6 (Main Building, Second Floor)
**Public Health Theme Keynote Lecture**

*Session Chair:* Judith J. Prochaska, PhD, MPH  
*Presenter:* VADM Jerome M. Adams, MD, MPH  
*United States Surgeon General, Washington, DC, USA*

2:30 p.m.-3:00 p.m.
Key Ballroom, South Foyer area (Main Building, Second Floor)
**Exhibitor Time**
**Refreshment Break**

3:00 p.m.-4:30 p.m.
Holiday Ballroom 5 (East Building, Second Floor)
**Podium Presentation 2: Symposium 7**
**EXPLORING USE AND PREFERENCE OF E-CIGARETTE FLAVORS AMONG ADOLESCENTS, YOUNG ADULTS, AND ADULTS**

*Chair:* Cathy Backinger, PhD, MPH  
*Audience:* PH/E

SYM7A: **THE IMPACT OF FLAVORED E-CIGARETTE USE ON TOBACCO USE AMONG YOUTH AND YOUNG ADULTS**  
*Melissa Harrell*, Alexandra Loukas, Christian Jackson, Nate Marti, Cheryl Perry

SYM7B: **ASSOCIATIONS BETWEEN ENDS FLAVOR PREFERENCE AND QUITTING BEHAVIORS IN DUAL CIGARETTE/ENDS AND ENDS ONLY USERS ENROLLED IN THE TOBACCO USER ADULT COHORT (TUAC)**  
*Amanda Quisenberry*, Elizabeth Klein, Sarah Cooper, Alice Hinton, Wenna Xi, Mary Ellen Wewers

SYM7C: **FLAVORED E-CIGARETTE USE AMONG ADOLESCENT EXCLUSIVE E-CIGARETTE AND DUAL PRODUCT USERS**  
*Jessica Barrington-Trimis*, Nicholas Goldenson, Feifei Liu, Robert Urman, Hanna Hong, Rob McConnell, Adam Leventhal

SYM7D: **FLAVOR PREFERENCE AMONG ADOLESCENT, YOUNG ADULT, AND ADULT E-CIGARETTE USERS: FINDINGS FROM WAVE 2 OF THE POPULATION ASSESSMENT OF TOBACCO AND HEALTH STUDY**  
*Samir Soneji*, Kristin Knutzen, Andrea Villanti

3:00 p.m.-4:30 p.m.
Johnson A-B (East Building, First Floor)
**Podium Presentation 2: Symposium 8**
**TOBACCO RETAIL OUTLETS: INSIDE AND OUT**

*Chair:* Jason Oliver, PhD  
*Co-Chair:* Janet Hoek, PhD  
*Audience:* PH/E

SYM8A: **A NOVEL ‘COMMUNITY NEUROSCIENCE’ APPROACH TO UNDERSTANDING THE INFLUENCE OF TOBACCO RETAIL OUTLETS ON SMOKING BEHAVIOR**  
*Jason Oliver*, Matthew Hallyburton, Maggie Sweitzer, Kurt Ribisl, F. Joseph McClernon

SYM8B: **USING EYETRACKING AND VIRTUAL STORE TECHNOLOGY TO UNDERSTAND CONSUMERS’ VISUAL ATTENTION TO PRO-TOBACCO CUES AND ANTI-TOBACCO ADS AT THE POINT-OF-SALE**  
*Annice Kim*, James Nonnemaker, Lauren Dutra, Brian Bradfield, Nathaniell Taylor, Jamie Guillory
SYM8C: DISPARITIES IN RETAIL MARKETING FOR MENTHOL CIGARETTES IN THE UNITED STATES, 2015
Sarah Mills*, Lisa Henriksen, Shelley Golden, Rachel Kurtzman, Amanda Kong, Tara Queen, Kurt Ribisl

SYM8D: BEYOND TOBACCO POS DISPLAYS: PROGRESS AND ANOMALIES FROM NEW ZEALAND
Janet Hoek*, Lindsay Robertson

3:00 p.m.-4:30 p.m.
Podium Presentation 2: Symposium 9
SOCIAL NORMS AS A PREDICTOR OF SMOKING AND E-CIGARETTE USE
Chair: Stuart Ferguson, PhD
Audience: P

SYM9A: THE ASSOCIATION BETWEEN NORMS AND SMOKING UPTAKE AMONG YOUTH: A SYSTEMATIC REVIEW
Katherine East*, Sara Hitchman, James Thrasher, Ann McNeill

SYM9B: PATTERNING OF TOBACCO USE BY SOCIAL NORMS AND SOCIOECONOMIC STATUS AMONG MEXICAN ADOLESCENTS: SIMILARITIES AND DIFFERENCES BETWEEN E-CIGARETTES AND CONVENTIONAL CIGARETTES
James Thrasher*, Paula Lozano, Edna Arillo-Santillán, Inti Barrientos-Gutierrez, Adriana Pérez

SYM9C: MEASURING SOCIAL NORMS USING ECOLOGICAL MOMENTARY ASSESSMENT METHODS
Tina Jahnel*, Stuart Ferguson, Saul Shiffman, Johannes Thrul, Benjamin Schüz

SYM9D: SOCIAL NORMS TOWARDS SMOKING IN 2002 AND 2013/15 AMONG DAILY SMOKERS: FINDINGS FROM THE INTERNATIONAL TOBACCO CONTROL (ITC) FOUR COUNTRY SURVEY
Katherine East, Sara Hitchman, Ann McNeill, Stuart Ferguson, K. Michael Cummings, Geoffrey Fong, Ron Borland*

3:00 p.m.-4:30 p.m.
Podium Presentation 2: Symposium 10
LEVERAGING USER DATA FROM ONLINE CESSATION INTERVENTIONS: NOVEL ANALYTIC APPROACHES TO IMPROVE EFFECTIVENESS AND REACH
Chair: Michael Amato, PhD
Co-Chair: Amanda Graham, PhD
Audience: C

SYM10A: APPLYING A MARKETING FUNNEL ANALYSIS TO MAXIMIZE THE IMPACT OF SOCIAL MEDIA IN DIGITAL TOBACCO CESSATION CAMPAIGNS
Alice Murray, Brian Keefe, Laura Vercammen*, Sohana Wagar, Jessica Havlak, Joshua Delung, Lindy Dreyer, Erik Augustson, Meredith Grady

SYM10B: PREDICTING THE PERFORMANCE OF TOBACCO CESSATION IMAGERY WITH VETERANS
Alice Murray*, Jessica Havlak, Dana Christofferson, Kim Hamlett-Berry, Erik Augustson
SYM10C: IS EXPOSURE TO ONLINE PEER CONTENT ABOUT NICOTINE REPLACEMENT THERAPY (NRT) ASSOCIATED WITH NRT USE? RESULTS FROM A LONGITUDINAL STUDY
Jennifer Pearson*, Michael Amato, Bahar Erar, Xi Wang, Sarah Cha, Kang Zhao, Amy Cohn, George Papandonatos, Amanda Graham

SYM10D: AUTOMATED SURVEILLANCE OF QUIT ATTEMPTS IN AN ONLINE CESSATION COMMUNITY THROUGH PASSIVE ANALYSIS OF USER GENERATED CONTENT
Michael Amato*, Kang Zhao, Sarah Cha, Xi Wang, George Papandonatos, Jennifer Pearson, Amy Cohn, Amanda Graham

3:00 p.m.-4:30 p.m.
Holiday Ballroom 1 (East Building, Second Floor)
Podium Presentation 2: Symposium 11
LABORATORY-BASED CLINICAL STUDIES TO INFORM TOBACCO CESSATION INTERVENTIONS AMONG INDIVIDUALS WITH PSYCHIATRIC CONDITIONS
Chair: Sarah Dermody, PhD
Audience: C

SYM11A: EFFECTS OF SMOKING ABSTINENCE AND METHYLPHENIDATE CHALLENGE ON REWARD FUNCTION AMONG SMOKERS WITH AND WITHOUT ADHD
Maggie Sweitzer*, Scott Kollins, Rachel Koznik, Matthew Hal-lyburton, Joseph English, Merideth Addiccott, Jason Oliver, F. Joseph McClenmon

SYM11B: CHANGES IN TOBACCO CONSUMPTION IN CANNABIS DEPENDENT PATIENTS WITH SCHIZOPHRENIA VERSUS NON-PSYCHIATRIC CONTROLS DURING 28 DAYS OF CANNABIS ABSTINENCE
Sarah Dermody*, Tony George, Rachel Rabin

SYM11C: EFFECTS OF REDUCED-NICOTINE CIGARETTES ON SMOKING AND PSYCHIATRIC SYMPTOMS IN SMOKERS WITH AND WITHOUT DEPRESSION
Jennifer Tidey*, Rachel Denlinger-Apte, Eric Donny, Joseph Koopmeiners, Dorothy Hatsuksami, Diann Gaalema, John Hughes, Stephen Higgins

3:00 p.m.-4:30 p.m.
Holiday Ballroom 3 (East Building, Second Floor)
Podium Presentation 2: Paper Session 5
SOCIAL AND ENVIRONMENTAL FACTORS FOR TOBACCO USE AMONG SPECIAL POPULATIONS
Chair: Monica Webb Hooper, PhD
Audience: PC, C, PH/E

PA5-1: TOBACCO ABSTINENCE POTENTIATES ATTENTIONAL BIAS TOWARD RACIAL DISCRIMINATION-RELATED STIMULI IN AFRICAN AMERICAN SMOKERS
Mariel Bello*, Nicholas Goldenson, Ellen Galstyan, Matthew Kirkpatrick, Junhan Cho, Raina Pang, Adam Leventhal

PA5-2: HATE STRESS? RACIAL/ETHNIC DIFFERENCES IN PERCEIVED DISCRIMINATION AND RELATIONSHIP TO OVERALL SMOKING QUIT ATTEMPTS
Monica Webb Hooper*, David Lee, Vani Simmons, Marina Unrod, Karen Brandon, Michael Antoni, Taghrid Asfar, John Correa, Tulay Koru-Sengal, Thomas Brandon
PA5-3: ASSOCIATION BETWEEN CONCERN OVER SOCIETAL INCREASES IN DISCRIMINATION AND SMOKING AMONGST ADOLESCENTS DURING 2016-2017
Adam Leventhal*, Junhan Cho

PA5-4: FDA COMPLIANCE VIOLATIONS AMONG INDEPENDENT TOBACCO RETAILERS IN SOCIOECONOMICALLY DISADVANTAGED RACIAL/ETHNIC MINORITY COMMUNITIES
Lourdes Baezconde-Garbanati*, Vanessa Altamirano, Patricia Escobedo, Robert Garcia, Sheila Yu, Rosa Barahona, Yaneth Rodriguez, Sabrina Smiley, Claradina Soto, Nancy Cruz, Steve Sussman, Ricky Bluthenthal, Jennifer Unger, LuAnne Rohrbach, Sheila Murphy, Myles Cockburn, Chris Castro, Kacie Blackman, Connie Hur, Chih-Ping Chou, Mengyu Liu, Natalie Kintz, Mary Ann Penitz, Jonathan Samet

PA5-5: AFRICAN AMERICAN SMOKERS WITH STRONG SOCIAL SUPPORT ACHIEVE SMOKING CESSSION AT HIGHER RATES COMPARED TO CAUCASIANS REGARDLESS OF MOTIVATION TO QUIT
Samantha Schiavon*, Michelle Sisson, Karen Cropsey

3:00 p.m.-4:30 p.m.
Holiday Ballroom 2 (East Building, Second Floor)
Podium Presentation 2: Paper Session 6
TOBACCO REGULATORY SCIENCE AND POLICY DEVELOPMENT
Chair: David Portnoy, PhD, MPH

Audience: P, PH/E

PA6-1: MISPERCEPTIONS ABOUT THE HARM OF VERY LOW NICOTINE CIGARETTES: A NATIONAL SURVEY OF US ADULT SMOKERS
M. Justin Byron*, Michelle Jeong, David Abrams, Noel Brewer

PA6-2: COUNTY-LEVEL ASSOCIATIONS BETWEEN TOBACCO RETAILER DENSITY AND SMOKING PREVALENCE IN THE USA, 2012
Shelley Golden*, Chris Baggett, Amanda Kong, Tzy-Mey Kuo, Lisa Henriksen, Kurt Ribisl

PA6-3: RISK ASSESSMENT FOR TOBACCO REGULATION
Micah Berman*, Taleed El-Sabawi, Peter Shields

PA6-4: MODIFIED RISK TOBACCO PRODUCTS: SOCIAL SCIENCE RESEARCH TO INFORM PRODUCT REVIEW AND REGULATION
Cindy Tworek*, Erin O’Brien, Alexander Persoskie, Amber Koblizt, Wendy Slavit, Aura Morse

PA6-5: SMOKERS’ SUPPORT FOR POLICIES TO REGULATE THE CONTENTS OF TOBACCO PRODUCTS IN CANADA, THE US, AUSTRALIA, AND ENGLAND: FINDINGS FROM THE ITC FOUR COUNTRY SURVEY
Janet Chung-Hall*, Geoffrey Fong, Pete Driezen, Lorraine Craig, David Hammond, K. Michael Cummings, Sara Hitchman, Ron Borland, Richard O’Connor

3:00 p.m.-4:30 p.m.
Key Ballroom 1-6 (Main Building, Second Floor)
Podium Presentation 2: Paper Session 7
ELECTRONIC NICOTINE DELIVERY SYSTEMS: INITIATION AND SUBSEQUENT SMOKING INITIATION
Chair: Cassandra Gipson-Reichardt, PhD

Audience: PH/E, PC
PA7-1: DETERMINANTS OF E-CIGARETTE AND CIGARETTE USE INITIATION AMONG YOUNG ADULTS IN THE SOUTHERN CALIFORNIA CHILDREN’S HEALTH STUDY
Natalie Kintz*, Mengyu Liu, Chih-Ping Chou, Robert Urman, Rob McConnell, Jessica Barrington-Trimis

PA7-2: E-CIGARETTES: COMPARING THE POSSIBLE RISKS OF INCREASING SMOKING INITIATION WITH THE POTENTIAL BENEFITS OF INCREASING SMOKING CESSION
Kenneth Warner*, David Mendez

PA7-3: E-CIGARETTE USE IS ASSOCIATED WITH FUTURE CIGARETTE INITIATION AMONG NONSOMKERS AND RELAPSE AMONG DISTANT FORMER SMOKERS: RESULTS FROM TWO WAVES OF THE PATH STUDY
Robert McMillen*, Jonathan Klein, Karen Wilson, Jonathan Winickoff, Susanne Tanski

PA7-4: YOUTH TOBACCO USE TRAJECTORIES OVER TIME: E-CIGARETTE USE PREDICTS SUBSEQUENT CIGARETTE SMOKING
Krysten Bold*, Grace Kong, Deepa Camenga, Patricia Simon, Dana Cavallo, Meghan Morean, Suchitra Krishnan-Sarin

PA7-5: RISKY BUSINESS: EXAMINING CIGARETTE SMOKING INITIATION AMONG SUSCEPTIBLE AND NON-SUSCEPTIBLE E-CIGARETTE USERS
Sarah Aleyan, Adam Cole*, Wei Qian, Scott Leatherdale

PA7-6: ELECTRONIC AND CONVENTIONAL CIGARETTE USE IN A GENETICALLY INFORMATIVE SAMPLE OF YOUNG ADULTS: GENETIC AND ENVIRONMENTAL INFLUENCES
James Clifford*, Jennifer Cecilione, Megan Cooke, Roxann Roberson-Nay, Elizabeth Prom-Wormley

3:00 p.m.-4:30 p.m.
Holiday Ballroom 6 (East Building, Second Floor)
Podium Presentation 2: Paper Session 8
ELECTRONIC NICOTINE DELIVERY SYSTEM: OXIDANT AND ALDEHYDE EMISSIONS AND EXPOSURE
Chair: Bartosz Koszowski, PhD
Audience: PC, C, P

PA8-1: EXPOSURE TO TOXIC AND/OR CARCINOGENIC VOLATILE ORGANIC COMPOUNDS IN DUAL USERS DURING SMOKING, VAPEING, AND ABSTINENCE
Gideon St.Helen*, Natalie Nardone, Newton Addo-Otoo, Neal Benowitz

PA8-2: EFFECT OF FLAVORING CHEMICALS ON FREE RADICAL FORMATION IN ELECTRONIC CIGARETTE AEROSOLS
Zachary Bitzer*, Reema Goel, Samantha Reilly, Ryan Elias, Jonathan Foulds, Joshua Muscat, John Richie

PA8-3: ALDEHYDE EMISSIONS FROM HIGH-POWER “SUB-OHM” ELECTRONIC CIGARETTE DEVICES
Soha Talih, Rola Salman, Nareg Karaoghlanian, Ahmed El-Hellani, Najat Saliba, Thomas Eissenberg, Alan Shihadeh*

PA8-4: EXPOSURE TO TOXIC VOLATILE ORGANIC CHEMICALS FROM E-CIGARETTE USE IN ADOLESCENTS
Mark Rubinstein*, Kevin Delucchi, Neal Benowitz, Danielle Ramo
PA8-5: THE CATALYTIC ROLE OF THE METALLIC COILS OF ELECTRONIC CIGARETTES IN ALDEHYDE FORMATION  
Najat Saliba*, Ahmad El Hellani, Edward Honein, Rola Salman, Joseph Zeaiter, Alan Shihadeh

3:00 p.m.-4:30 p.m.  
Holiday Ballroom 4 (East Building, Second Floor)  
Podium Presentation 2: Paper Session 9  
COMPREHENSIVE ASSESSMENT OF IMPACT OF FLAVORS: CONSTITUENTS TO PERCEPTIONS  
Chair: Christie Fowler, PhD  
Audience: PC, PH/E, P

PA9-1: FLAVOR CONDITIONED REINFORCERS DOSE-DEPENDENTLY INCREASE MOTIVATION AND EXTRACELLULAR DOPAMINE IN RATS.  
Matthew Palmatier*, Amanda Smith, Curtis Bradley, Amy Patterson, Samantha Malone, Caleb Bailey, Gerald Deehan

PA9-2: ANALYSIS OF FLAVOR ENHANCERS USED IN ELECTRONIC CIGARETTE REFILL SOLUTIONS  
Brandon Woitas*, Taylor Vanderbush, Isaac Sundar, Irfan Rahman, Richard O’Connor, Maciej Goniewicz

PA9-3: AN FMRI STUDY ON THE IMPACT OF ADVERTISING FOR FLAVORED E-CIGARETTES ON SUSCEPTIBLE COLLEGE-AGE YOUTH  
Kathleen Garrison*, Stephanie O’Malley, Ralitza Gueorguieva, Suchitra Krishnan-Sarin

PA9-4: THE ROLE OF SWEETENERS IN SMOKELESS TOBACCO PRODUCT PREFERENCE IN MICE  
Sairam Jabba*, Arin Dritil, Hanno Erythopel, Pamella Bonner, Julie Zimmerman, Sven Jordt

PA9-5: FLAVORS INCREASE SUSCEPTIBILITY TO CIGARILLO USE BY INCREASING PERCEPTIONS OF TASTE AND BY INCREASING THE WEIGHT GIVEN TO PERCEPTIONS OF TASTE  
Aya Avishai*, Adam Goldstein, Clare Meernik, Paschal Sheeran

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

4:45 p.m.-6:00 p.m.  
Key Ballroom 7-12 (Main Building, Second Floor)  
Poster Session 2: Epidemiology and Public Health (Session 1)

6:30 p.m.-7:30 p.m.  
East Foyer (Main Building, 3rd Floor)  
Trainee Network Mentoring Roundtables  
Check in at Registration Table located on the 3rd Floor

7:30 p.m.-9:00 p.m.  
Paca (Main Building, 3rd Floor)  
Trainee Network Mixer

Audience Key:  BS: Basic Science; PC: Pre-Clinical; C: Clinical; PH/E: Public Health/Epidemiology; P: Policy; HD: Health Disparities; I: International; LMIC: Lower-Middle Income Countries; T=Treatment
7:15 a.m.-5:00 p.m.
Key Ballroom Foyer (Main Building, Second Floor)
Registration

7:30 a.m.-5:00 p.m.
Mencken (East Building, Second Floor)
Speaker Ready Room

7:30 a.m.-8:15 a.m.
Holiday Ballroom 1 (East Building, Second Floor)
SRNT Members Meeting
(All members are welcome to attend.)

8:30 a.m.-9:30 a.m.
Key Ballroom 1-6 (Main Building, Second Floor)
Clinical Theme Plenary Lecture
Technology and Smoking Cessation: Is it all Smoke and Mirrors?
Session Chair: Chris Bullen MBChB, DOBst, DCH, MPH, PhD, FAFPHM, FNZCPHM
Speaker: Robyn Whittaker, MBChB, MPH, PhD, FNZCPHM
Associate Professor, Clinical Director of Innovation, Waitemata District Health Board and University of Auckland, Auckland, New Zealand

9:30 a.m.-4:00 p.m.
Exhibits Open

9:30 a.m.-10:00 a.m.
Key Ballroom, South Foyer area (Main Building, Second Floor)
Exhibitor Time (last day)
Refreshment Break

10:00 a.m.-11:30 a.m.
Key Ballroom 1-6 (Main Building, Second Floor)
Podium Presentation 3: Symposium 12
SMOKERS WHO VAPE AND VAPERS WHO SMOKE: PUBLIC HEALTH IMPLICATIONS OF DUAL USE OF TOBACCO AND ELECTRONIC CIGARETTES
Chair: Maciej Goniewicz, PhD, PharmD
Co-Chair: Ron Borland, PhD
Audience: PH/E

SYM12A: CONCEPTUAL AND EMPIRICAL CONSIDERATIONS FOR DISTINGUISHING TYPES OF “DUAL USE”: FINDINGS FROM THE ITC PROJECT
Ron Borland*, Krista Murray

SYM12B: CONTEXT OF DUAL USE OF E-CIGARETTES AND CIGARETTES AMONG YOUNG ADULTS
Pamela Ling*

SYM12C: DELAY DISCOUNTING IN E-CIGARETTE USERS, SMOKERS, DUAL USERS, AND FORMER SMOKERS: BEHAVIORAL ECONOMIC PERSPECTIVE ACROSS FOUR COUNTIES
Bryan Heckman*, Geoffrey Fong, Ron Borland, Richard O’Connor, Warren Bickel, Mikhail Koffarnus, Jeffrey Stein, Derek Pope, K. Michael Cummings

Audience Key: BS: Basic Science; PC: Pre-Clinical; C: Clinical; PH/E: Public Health/Epidemiology; P: Policy; HD: Health Disparities; I: International; LMIC: Lower-Middle Income Countries; T=Treatment
SYM12D: HIGHER CIGARETTE CONSUMPTION AMONG DUAL USERS OF TOBACCO AND ELECTRONIC CIGARETTES IS ASSOCIATED WITH HIGHER EXPOSURE TO TOBACCO-RELATED TOXICANTS: FINDINGS FROM AN INTERNATIONAL MULTI-CENTER TRIAL
Danielle Smith*, Lion Shahab, K. Udeni Alwis, Lanqing Wang, Connie Sosnoff, Yang Xia, Benjamin Blount, Michal Gawron, Leon Kosmider, Andrzej Sobczak, Maciej Goniewicz

SYM12E: PATTERNS OF USE AND BIOMARKERS OF EXPOSURE AMONG ‘DUAL’ TOBACCO CIGARETTE AND ELECTRONIC CIGARETTE USERS IN CANADA
Christine Czoli*, Geoffrey Fong, Maciej Goniewicz, David Hammond

10:00 a.m.-11:30 a.m.
Holiday Ballroom 5 (East Building, Second Floor)
Podium Presentation 3: Symposium 13
COOLING AGENTS, FLAVORS, AND NICOTINE: ADDITIVES OR DRUGS?
Chair: M. Imad Damaj, Ph.D.
Audience: PC, C, PH/E

SYM13A: Menthol increases nicotine oral intake and preference in mice: Role of concentration, sex, and age factors
M. Imad Damaj*, PhD

SYM13B: Synthetic Cooling Agents in Tobacco Products: Chemistry, Pharmacology and Effects on Nicotine Consumption
Sven-Eric Jordt*

SYM13C: Effects of Inhaled Menthol on the Rewarding Effects of Intravenous Nicotine in Smokers
Mehmet Sofuoglu*

SYM13D: DISCUSSION
Cheryl Oncken*

10:00 a.m.-11:30 a.m.
Johnson A-B (East Building, First Floor)
Podium Presentation 3: Symposium 14
VULNERABILITIES TO TOBACCO PRODUCT USE AND STRATEGIES TO REDUCE USE AMONG WOMEN OF REPRODUCTIVE AGE
Chair: Allison Kurti, PhD
Co-Chair: Stephen Higgins, PhD
Audience: PH/E

SYM14A: TOBACCO AND NICOTINE DELIVERY PRODUCT USE IN A US NATIONAL SAMPLE OF WOMEN OF REPRODUCTIVE AGE
Ryan Redner*, Alexa Lopez, Allison Kurti, Diana Keith, Andrea Villanti, Cassandra Stanton, Diann Gaalema, Janice Bunn, Nathan Doogan, Megan Roberts, Stephen Higgins

SYM14B: EXAMINING PATTERNS OF TOBACCO PRODUCT USE AMONG PREGNANT WOMEN
SYM14C: SMOKING TRENDS AMONG RURAL WOMEN LAG BEHIND THOSE OF RURAL MEN, URBAN MEN, AND URBAN WOMEN
Antonio Cepeda-Benito*, Nathan Doogan, Megan Roberts, Andrea Villanti, Allison Kurti, Alexa Lopez, Ryan Redner, Diana Keith, Cassandra Stanton, Diann Gaalema, Stephen Higgins

SYM14D: STRONGER WARNING LABELS ARE NEEDED TO TARGET PREGNANT WOMEN AND WOMEN OF REPRODUCTIVE AGE WHO SMOKE
Erin Mead*, Cheryl Oncken, Raul Cruz-Cano, Allison Groom, Joy Hart, Kandi Walker, Aida Giachello, Rose Robertson

10:00 a.m.-11:30 a.m.
Holiday Ballroom 2 (East Building, Second Floor)
Podium Presentation 3: Symposium 15
CUTTING-EDGE MIXED METHODS RESEARCH ON MARIJUANA AND TOBACCO CO-USE: CAUSES, CORRELATES, AND CONSEQUENCES ACROSS THE AGE SPECTRUM
Chair: Amy Cohn, PhD
Audience: PH/E

SYM15A: DISCOUNTING OR DISSONANCE? DISCREPANCIES IN A MIXED METHODS STUDY OF DUAL USE OF CANNABIS AND NICOTINE
Juliet Lee*, Rakiah Anderson, Rachelle Annechino, Elizabeth Waiters

SYM15B: VARENICLINE AND NABILONE IN TOBACCO+CANNABIS CO-USERS: VARENICLINE INCREASES OUTPATIENT TOBACCO ABSTINENCE, AND BEHAVIORAL MARKERS OF TOBACCO DEPENDENCE SEVERITY PREDICT INPATIENT CANNABIS RELAPSE
Evan Hermann*, Ziva Cooper, Gillinder Bedi, Divya Remesh, Stephanie Reed, Sandra Comer, Richard Foltin, Margaret Haney

SYM15C: PREVALENCE AND CORRELATES OF RECENT MARIJUANA USE IN ADULT E-CIGARETTE USERS IN BALTIMORE
Emmanuel Oga*, Erica Peters, Catherine Peasley-Miklus, Peter Callas, John Hughes

SYM15D: MARIJUANA USE DAMPENS THE REINFORCING VALUE OF CIGARETTES AMONG TREATMENT-SEEKING SMOKERS
Amy Cohn*, James Murphy, Ollie Ganz, Ashley Dennhardt, Sarah Ehike, Sarah Cha, Lexie Perreras, Erica Peters, Amanda Graham

SYM15E: EXPOSURE TO TOBACCO OUTLETS IN ACTIVITY SPACES AND TOBACCO, NICOTINE, AND MARIJUANA DAILY USE AND CO-USE
Sharon Lipperman-Kreda*, Joel Grube, Andrew Gaidus, Laura Finan
Friday, February 23, 2018

10:00 a.m.-11:30 a.m.
Holiday Ballroom 4 (East Building, Second Floor)
Podium Presentation 3: Paper Session 10
EMERGING TOPICS IN REDUCED NICOTINE TOBACCO PRODUCTS
Chair: Gideon St.Helen, PhD
Audience: PC, C, PH/E
PA10-1: ELECTROPHYSIOLOGICAL RESPONSES TO VARYING LEVELS OF NICOTINE IN CIGARETTES
Mauricio Rangel-Gomez*, Raul Cruz-Cano, Azieb Kidanu, Spencer Fix, Edward Bernat, Pamela Clark
PA10-2: ABRUPT NICOTINE REDUCTION INCREASES ESSENTIAL VALUE OF NICOTINE AND EXACERBATES REINSTATED NICOTINE SEEKING
Cassandra Gipson*, Julie Marusich, Joshua Beckmann, Gregory Powell
PA10-3: PREFERENCES FOR VERY LOW NICOTINE CONTENT CIGARETTES IN SMOKERS
Joanna Chu*, Chris Bullen, Varsha Parag, Natalie Walker
PA10-4: A CROWD-SOURCED EVALUATION OF REDUCED-NICOTINE CIGARETTE FRAMING ON BEHAVIORAL ECONOMIC DEMAND CURVES
Brent Kaplan*, Mikhail Koffarnus, Warren Bickel

10:00 a.m.-11:30 a.m.
Holiday Ballroom 1 (East Building, Second Floor)
Podium Presentation 3: Paper Session 11
HEALTH IMPACT OF TOBACCO PRODUCTS
Chair: Mirjana V. Djordjevic, PhD
Audience: PC, C, PH/E
PA11-1: IMPACT OF ELECTRONIC CIGARETTE USE ON LUNG FUNCTION (FEV1) AMONG ADULT SMOKERS ATTEMPTING TO REDUCE THEIR CIGARETTE CONSUMPTION
Susan Veldheer*, Jessica Yingst, Shari Hrabovsky, Sophia Allen, Miao-Shan Yen, Caroline Cobb, Jonathan Foulds, Thomas Eissenberg
PA11-2: The significance of 15-lipoxygenase metabolites in smokers with chronic obstructive pulmonary disease, a high risk population for lung cancer
George Chen*
PA11-3: The role of smoking in the relationship between multiple health behaviors and all-cause mortality among US adults
Seung Hee Choi*, Manfred Stommel
PA11-4: WIDESPREAD TOBACCO-SMOKING ASSOCIATED CHANGES IN DNA METHYLATION AND GENE EXPRESSION IN LUNG TISSUE OF SMOKERS
Daniel Mullen, Kimberly Siegmund, Ite Laird-Offringa*
PA11-5: ANOTHER SMOKING GUN (MODEL): MODELLING THE TIME VARYING EFFECT OF TOBACCO USE AND SMOKE EXPOSURE ON MEAN TELOMERE LENGTH BY RACE/ETHNICITY IN THE US
Gary King, Tamika Gilreath, Francisco Montiel Ishino*
10:00 a.m.-11:30 a.m.  
Ruth (East Building, First Floor)  
Podium Presentation 3: Paper Session 12  
IMPACT OF ECONOMIC TOBACCO CONTROL POLICY INTERVENTIONS  
Chair: James Thrasher, PhD  
Audience: P, PH/E  

Pete Driezen*, Mary Thompson, Nigar Nargis, K. Michael Cummings, Geoffrey Fong, Frank Chaloupka, Ce Shang, Kai-Wen Cheng  

PA12-2: An Empirical Analysis of the Impact of Income Change and Cigarette Taxation in a Price-Tiered Cigarette Market of Bangladesh  
Iftekharul Huq*, Nigar Nargis, Damba Lkhagvasuren, Ghulam Hossain, Geoffrey Fong  

PA12-3: TOBACCO PRODUCT COUPONS: RECEIPT AND USE AMONG ADULT SMOKERS IN THE UNITED STATES  
Amira Osman*, Tara Queen, Kelvin Choi, Adam Goldstein  

PA12-4: PROXIMITY TO FIRST NATIONS RESERVES AND LIKELIHOOD OF ILLICIT CIGARETTE PURCHASING IN ONTARIO AND QUEBEC: FINDINGS FROM THE ITC CANADA SURVEY 2002-2014  
Pete Driezen*, Emmanuel Guindon, Geoffrey Fong, Mary Thompson, David Hammond, Anne Quah  

PA12-5: MARKETING NATURAL AMERICAN SPIRITS: CIGARETTE SALES GROWTH AND PRICE VARIATION IN CALIFORNIA NEIGHBORHOODS  
Anna Epperson*, Trent Johnson, Nina Schleicher, Lisa Henrikson  

PA12-6: DISPARITIES IN CIGARETTE TAX EXPOSURE BY RACE, ETHNICITY, POVERTY AND SEXUAL ORIENTATION, 2006-2014, USA  
Shelley Golden*, Amanda Kong, Joseph Lee, Kurt Ribisl  

10:00 a.m.-11:30 a.m.  
Peale ABC (East Building, First Floor)  
Podium Presentation 3: Paper Session 13  
SMOKING CESSATION INTERVENTIONS FOR PATIENTS WITH MEDICAL AND PSYCHIATRIC CO-MORBIDITIES  
Chair: Andrea Weinberger, PhD  
Audience: C  

PA13-1: BARRIERS TO THE IMPLEMENTATION OF A BEHAVIOR CHANGE COUNSELING SESSION ON TOBACCO CESSATION FOR TUBERCULOSIS PATIENTS IN PAKISTAN: FIRST FINDINGS FROM A MIXED METHODS PROCESS EVALUATION  
Melanie Boeckmann*, Amina Khan, Raana Zahid, Maryam Noor, Sahil Warsi, Helen Elsey, Daniel Kotz  

PA13-2: ENGAGEMENT IN SMOKING REDUCTION TREATMENT IN PRIMARY CARE AMONG SMOKERS INITIALLY UNWILLING TO QUIT  
Jessica Cook*, Timothy Baker, Tanya Schlam, Megan Piper, Robin Mermelstein  

Audience Key:  BS: Basic Science; PC: Pre-Clinical; C: Clinical; PH/E: Public Health/Epidemiology; P: Policy; HD: Health Disparities; I: International; LMIC: Lower-Middle Income Countries; T=Treatment
PA13-3: A PREOPERATIVE CONTINGENCY MANAGEMENT INTERVENTION FOR SMOKING ABSTINENCE IN CANCER PATIENTS
Alana Rojewski*, Nortorious Coleman-Taylor, Lisa Fucito, Steven Bernstein, Nathaniel Baker, Roy Herbst, Suchitra Krishnan-Sarin, Benjamin Toli

PA13-4: A CLUSTER RANDOMISED CONTROLLED TRIAL OF ORGANISATIONAL CHANGE FOR SMOKING CESSION IN AUSTRALIAN DRUG AND ALCOHOL TREATMENT CENTRES
Billie Bonevski*, Ashleigh Guillaumier, Eliza Skelton, Anthony Shakeshaft, Flora Tzelepis, Chris Paul, Catherine D’Este, Michael Farrell, Chris Oldmeadow

PA13-5: Referral to Randomized Smoking Reduction and Cessation Treatments in Primary Care Clinics: Electronic vs. Fax Referral
Madeline Oguss*, Danielle McCarthy, David Fraser, Megan Piper, Jessica Cook, Tanya Schlam, Timothy Baker, Michael Fiore

10:00 a.m.-11:30 a.m.
Holiday Ballroom 6 (East Building, Second Floor)
Podium Presentation 3: Paper Session 14
TRAJECTORIES OF MULTIPLE TOBACCO PRODUCT USE
Chair: Jessica Barrington-Trimis, PhD
Audience: PH/E, C

PA14-1: Adult Perceptions of the Relative Harmfulness of Tobacco Products and Subsequent Tobacco Product Use: Longitudinal Findings from Waves 1-2 of the PATH Study

PA14-2: YOUNG ADULT MULTIPLE PRODUCT USE DECLINES ACROSS TIME AND MAY CONSOLIDATE INTO CIGARETTE USE
Alexandra Loukas*, C. Nathan Marti, Cheryl Perry

PA14-3: TRANSITIONS BETWEEN COMBUSTIBLE, ENDS, AND DUAL USE IN YOUTH AND YOUNG ADULTS: RELATIONSHIPS WITH AGE AND OTHER DEMOGRAPHIC CHARACTERISTICS
Elizabeth Hair, Alexa Romberg*, Raymond Niaura, Morgane Bennett, Jessica Rath, Lindsay Pitzer, Haijuan Xiao, David Abrams, Donna Vallone

PA14-4: Transitions in Electronic Cigarette Use among Adults in the Population Assessment of Tobacco and Health (PATH) Study, Waves 1 and 2

PA14-5: HOW DOES SMOKING AND NICOTINE DEPENDENCE CHANGE AFTER ONSET OF VAPING? ANALYSIS OF DUAL USERS
Ursula Martinez*, Victor Martinez-Loredo, Steven Sutton, Lauren Meltzer, John Correa, Vani Simmons, David Drobes, Thomas Eissenberg, Thomas Brandon
Podium Presentation 3: Paper Session 15
TOBACCO AND SUBSTANCE USE DISORDER COMORBIDITY
Chair: Suzanne Colby, PhD
Co-Chair: Cara Murphy, PhD
Audience: C, PH/E, P

PA15-1: ENHANCING SYSTEMS-LEVEL TOBACCO INTERVENTIONS IN OPIOID TREATMENT PROGRAMS
Shadi Nahvi*, Claire Heuberger, Sebastian Placide, Stephen Beswick-Bozier, Chenshu Zhang, Erica D’Aquila, Julia Arnsten

PA15-2: SUBSTANCES USED IN ELECTRONIC VAPOR PRODUCTS AMONG ADULTS, UNITED STATES, 2017
Katrina Trivers*, Andrea Gentzke, Elyse Phillips, Michael Tynan, Kristy Maryn

PA15-3: IS CIGARETTE SMOKING STILL DECLINING IN THE UNITED STATES? THE IMPACT OF CANNABIS USE STATUS
Lauren Paek*, Jan Copeland, Silvia Martins, Chinazo Cunningham, Renee Goodwin

PA15-4: EXPLORING ASSOCIATIONS BETWEEN THE USE OF PSYCHOACTIVE SUBSTANCES AND E-CIGARETTES IN A NATIONALLY REPRESENTATIVE SAMPLE OF YOUNG ADULTS
Meagan Bluestein*, Steven Kelder, Cheryl Perry, Adriana Pérez

PA15-5: DESIRE TO QUIT SMOKING AMONG INDIVIDUALS IN RESIDENTIAL SUBSTANCE ABUSE TREATMENT: PERCEIVED BARRIERS AND RISK
Susan Kenford*, Joseph Morgan

PA15-6: CHANGES IN POLICY AND PRACTICE FOLLOWING AN ORGANISATIONAL CHANGE INTERVENTION FOR TOBACCO DEPENDENCE TREATMENT IN ALCOHOL AND OTHER DRUG SERVICES
Eliza Skelton*, Ashleigh Guillaumier, Flora Tzelepis, Anthony Shakeshaft, Kerrin Palazzi, Billie Bonevski

11:30 a.m.-11:45 a.m.
Break

11:45 a.m.-1:00 p.m.
Key Ballroom 7-12 (Main Building, Second Floor)
Poster Session 3: Clinical

11:45 a.m.-1:00 p.m.
Key Ballroom Foyer (Main Building, Second Floor)
Lunch Break
Boxed lunches will be distributed starting at 11:30 a.m. Plan to attend Poster Session 3 while eating your boxed lunch!

11:45 a.m.-1:00 p.m.
Calloway AB (East Building, Second Floor)
Past President Luncheon
(by invitation only)
1:00 p.m.-1:30 p.m.
Key Ballroom 1-6 (Main Building, Second Floor)
**Jarvik-Russell New Investigator Award Paper Session**
Developing Research to Inform Tobacco-Related Policy

*Session Chair:* Thomas R. Kirchner, PhD

*Speaker:* Andrea Villanti, PhD, MPH

Associate Professor, Vermont Center on Behavior & Health, Department of Psychiatry, University of Vermont, Burlington, VT, USA

1:30 p.m.-2:30 p.m.
Key Ballroom 1-6 (Main Building, Second Floor)

**Special Symposium Session**
The Latest from the PATH Study – Selected Tobacco Use 3 Wave Transitions and E-Cigarette and Biomarker Data

*Session Chairs:* Heather Kimmel, PhD, National Institute on Drug Abuse, NIH, Nicolette Borek, PhD, Center for Tobacco Products, FDA

*Presenters:* Andrew Hyland, PhD, University of Buffalo and Roswell Park Comprehensive Cancer Center, Blair Coleman, PhD, MPH, Center for Tobacco Products, FDA Jennifer Pearson, PhD, MPH, University of Nevada-Reno, and Maciej Goniewicz, PhD, PharmD, Roswell Park Comprehensive Cancer Center

2:30 p.m.-2:45 p.m.
Key Ballroom, South Foyer area (Main Building, Second Floor)

**Exhibit Time (last day)**

2:45 p.m.-3:45 p.m.
Key Ballroom 1-6 (Main Building, Second Floor)

**Policy Theme Keynote Lecture**
An Update on FDA’s Comprehensive Plan on Tobacco and Nicotine Regulation

*Session Chair:* Mitch Zeller, JD

*Speaker:* Scott Gottlieb, MD

Commissioner of Food and Drugs, US Food and Drug Administration, Silver Spring, MD, USA

3:45 p.m.-4:00 p.m.
Key Ballroom, South Foyer area (Main Building, Second Floor)

**Exhibit Time (last scheduled time)**

4:00 p.m.-5:30 p.m.
Holiday Ballroom 4 (East Building, Second Floor)

**Podium Presentation 4: Symposium 16**
CAN WE CLEAR THE SMOKE IN PATIENTS WITH MENTAL ILLNESS?

Chair: Li-Shiun Chen, MD, MPH, ScD

Co-Chair: Brian Hitsman, PhD; Nancy Rigotti, MD

**SYM16A:** WORKING WITH COMMUNITY MENTAL HEALTH CLINICS TO TEST CLINICIAN TRAINING PROGRAMS FOR TREATING NICOTINE DEPENDENCE AMONG SMOKERS WITH SERIOUS MENTAL ILLNESS

Alex Flitter, Grace Crawford, Nathaniel Stevens, Douglas Ziedonia, Frank Leone, David Mandell, John Kimberly, Robert Schnoll*

**SYM16B:** PROVISION OF SMOKING CESSATION TREATMENT FOR SMOKERS WITH SERIOUS MENTAL ILLNESS

A. Eden Evins*, Sally Reyering, Melissa Maravic, Corinne Cather, Gladys Pachas
SYM16C: FROM GUIDELINES TO PRACTICE: IMPLEMENTING SMOKING CESSATION TREATMENTS FOR PATIENTS WITH SERIOUS MENTAL ILLNESS IN COMMUNITY MENTAL HEALTH SETTINGS
Li-Shiun Chen*, Timothy Baker, Ross Brownson, Laura Bierut

SYM16D: RECRUITING SMOKERS WITH DEPRESSION FOR A CESSATION TRIAL AND THEIR CARDIOVASCULAR HEALTH AT ENROLLMENT
Allison Carroll*, Mark Duffman, Anna Veluz-Wilkins, Su Fen Lubitz, Nancy Jao, Joseph Bastian, Jacqueline Gollan, Raymond Niaura, Michael Thase, Frank Leone, Robert Schnoll, Brian Hitsman

4:00 p.m.-5:30 p.m.
Holiday Ballroom 1 (East Building, Second Floor)
Podium Presentation 4: Symposium 17
MENTHOL CIGARETTES: WHAT DO BANS ACHIEVE?
Chair: Robert Schwartz, PhD
Co-Chair: Stephanie O’Malley, PhD
Audience: P

SYM17A: INDUSTRY TACTICS IN RESPONSE TO THE MENTHOL BAN IN ONTARIO, CANADA
Robert Schwartz*, Michael Chaiton, Tracey Borland, Lori Diemert

SYM17B: MENTHOL CIGARETTE SMokers' REACTIONS AND RESPONSES TO A MENTHOL FLAVORED CIGARETTE BAN IN ONTARIO, CANADA
Eric Soule*, Michael Chaiton, Bo Zhang, Marzena Hiler, Robert Schwartz, Joanna Cohen, Thomas Eissenberg

SYM17C: SHORT-TERM IMPACT OF ONTARIO’S BAN ON MENTHOL CIGARETTES
Michael Chaiton*, Robert Schwartz, Joanna Cohen, Eric Soule, Thomas Eissenberg

SYM17D: WHAT IN THE WORLD IS HAPPENING WITH MENTHOL CIGARETTES?
Joanna Cohen*, Kevin Welding, Jennifer Brown, Carmen Washington, Katherine Smith

4:00 p.m.-5:30 p.m.
Peale ABC (East Building, First Floor)
Podium Presentation 4: Symposium 18
EMERGING EVIDENCE ON THE TOXICITY OF NON-CIGARETTE TOBACCO PRODUCTS
Chair: Rachel Grana Mayne, PhD, MPH
Audience: PC, PH/E

SYM18A: THE EFFECT OF HUMECTANT AND FLAVORANT CONTENT ON HARMFUL AND POTENTIALLY HARMFUL CONSTITUENT EMISSIONS IN MAINSTREAM WATERPIPE TOBACCO SMOKE
Marielle Brinkman*, Anna Adetona, Stephanie Buehler, Erich Strozier, Hyoshin Kim, Juyun Lim, Pamela Clark

SYM18B: EFFECTS OF E-CIGARETTES ON RESPIRATORY IMMUNE RESPONSES
Ilona Jaspers*, Phillip Clapp, Meghan Rebuli, Terry Noah

SYM18C: CHRONIC VAPEING AND THE AIRWAY PROTEOME: IMPLICATIONS FOR LUNG HEALTH
Arunava Ghosh, Raymond Coakley, Neil Alexis, Hong Dang, Laura Herring, Lee Graves, M. Flori Sassano, Scott Randell, Robert Tarran*
SYM18D: BIOMARKERS OF EXPOSURE AMONG U.S. ADULT CIGAR SMOKERS: RESULTS FROM 2013-2014 POPULATION ASSESSMENT OF TOBACCO AND HEALTH (PATH) STUDY
Cindy Chang*, Brian Rostron, Catherine Corey, Heather Kimmel, Connie Sosnoff, Maciej Goniewicz, Kathryn Edwards, Dorothy Hatsuakari, Yuesong Wang, Joanne Chang, Stephen Hecht, A. Yesy Del Valle-Pinero, Maocheng Yang, Heather D’Angelo, Stephen Arnstein, Mark Travers, Kristie Taylor, Kevin Conway, Andrew Hyland, Bridget Ambrose, Nicolette Borek, Lanqing Wang, Benjamin Blount, Dana van Bemmel

4:00 p.m.-5:30 p.m.
Ruth (East Building, First Floor)
Podium Presentation 4: Symposium 19
SMOKEFREE MULTI-UNIT HOUSING: THE NEXT FRONTIER FOR PROTECTING VULNERABLE POPULATIONS
Chair: Bob Vollinger, MSPH
Co-Chair: Brian King, PhD, MPH

SYM19A: DATA TO ACTION: THE BURDEN OF SMOKING IN SUBSIDIZED HOUSING AND IMPLICATIONS FOR TOBACCO CONTROL POLICY
Brian King*

SYM19B: SMOKE-FREE POLICIES AND SUPPORT FOR SMOKING BANS IN MULTIUNIT HOUSING: ITC PROJECT FINDINGS FROM CANADA, UNITED STATES, AND UNITED KINGDOM

SYM19C: SUCCESSFULLY IMPLEMENTING A SMOKEFREE MULTI-UNIT HOUSING POLICY AT THE LOCAL LEVEL: INSIGHTS FROM RESIDENTS AND MANAGERS
Bob Vollinger*, Krystal Lynch, Ryan Kennedy, Katherine Smith

SYM19D: SMOKE-FREE HOUSING RULES AFFECT COMMUNITY COHESION AMONG SMOKERS AND NON-SMOKERS DIFFERENTLY: LESSONS FOR POLICY IMPLEMENTATION
Vaughan Rees*, Jessica Davine, Robyn Keske, Natasha Sokol, Alan Geller

SYM19E: UNDERSTANDING SMOKE-FREE HOUSING IN THE UNREGULATED SHORT-TERM RENTAL MARKET (AIRBNB): FINDINGS FROM 43 CITIES IN 17 COUNTRIES
Ryan Kennedy*, Kevin Welding

SYM19F: UNDERSTANDING SMOKE-FREE HOUSING IN THE UNREGULATED SHORT-TERM RENTAL MARKET (AIRBNB): FINDINGS FROM 43 CITIES IN 17 COUNTRIES

4:00 p.m.-5:30 p.m.
Holiday Ballroom 2 (East Building, Second Floor)
Podium Presentation 4: Symposium 20
ENDS ON SOCIAL MEDIA: FROM SHAPING ENDS USE TO QUIT-SMOKING INTERVENTION
Chair: Scott Leischow, PhD

SYM20A: ANALYZING THE IMPACT OF “THE REAL COST” CAMPAIGN
Scott Leischow, Daniel Zeng, Xuan Wei*

SYM20B: WHERE DO E-CIGARETTE USERS AND DUAL USERS FIND HEALTH INFORMATION COMPARED TO SMOKERS AND TOBACCO USERS? A US SAMPLE OF ADULTS
Mariea Elena Gonzalez, Ashley Sanders-Jackson*
SYM20C: ANALYSIS OF MOST WIDELY SHARED E-CIGARETTE POSTS ON TWITTER
Annice Kim*, Matthew Eggers, James Nannemaker, Kira Tebbe

SYM20D: PATTERNS OF E-CIGARETTE USE AND SMOKING CESSATION: AN EXAMINATION OF YOUNG ADULT SMOKERS PARTICIPATING IN A FACEBOOK CESSATION INTERVENTION TRIAL
Erin Vogel*, Danielle Ramo

4:00 p.m.-5:30 p.m.
Holiday Ballroom 3 (East Building, Second Floor)
Podium Presentation 4: Symposium 21
TRANSGENERATIONAL EFFECTS OF PARENTAL NICOTINE AND TOBACCO EXPOSURE ON EMOTION, COGNITION, AND REWARD
Chair: Munir Kutlu, PhD
Audience: PC

SYM21A: TRANSGENERATIONAL NEUROBEHAVIORAL TOXICITY OF NICOTINE AND TOBACCO EXPOSURE IN RATS
Edward Levin*, Marty Cauley, Brandon Hall, Yael Abreu-Villa-ça, Shaqif Junaid, Hannah White, Andrew Hawkey

SYM21B: PATERNAL NICOTINE EXPOSURE TRANSGENERATIONALLY ALTERS GENE EXPRESSION IN THE CHOLINERGIC SIGNALING PATHWAY
Thomas Gould*, Munir Kutlu, Rob Cole, Jessica Tumolo, Vinay Parikh

SYM21C: NICOTINE-INDUCED DNA METHYLATION IN SPERMATOZOA: CONSEQUENCES FOR OFFSPRING’S BEHAVIOR AND GENE EXPRESSION
Deirdre McCarthy*

SYM21D: PATERNAL NICOTINE SELF-ADMINISTRATION IS ASSOCIATED WITH INCREASED VULNERABILITY TO NICOTINE-TAKING BEHAVIOR IN OFFSPRING
John Maurer, Chris Turner, Matthieu Wimmer, Heath Schmidt*

SYM21E: IMPACT OF MATERNAL SMOKING ON INFANT NEUROBEHAVIOR: MEDIATION BY EPIGENETIC REGULATION OF PLACENTA STRESS AND NEURODEVELOPMENT GENES
Laura Stroud*, George Papandonatos, Tessa Kehoe, Meaghan McCallum, Carmen Marsit

4:00 p.m.-5:30 p.m.
Holiday Ballroom 6 (East Building, Second Floor)
Podium Presentation 4: Symposium 22
CYTISINE FOR SMOKING CESSATION: FILLING IN THE GAPS
Chair: Nancy Rigotti, MD
Audience: C

SYM22A: THE REGULATORY SCIENCE OF CYTISINE: AN UPDATE ON THE PRE-CLINICAL GLP-REGULATED SAFETY ASSESSMENT
David Shurtleff*, Craig Hopp, Elaine Knight, Hanna Ng, Gary Wolfe

SYM22B: E-CIGARETTES AS POTENTIAL PULMONARY DELIVERY DEVICES FOR CYTISINE: A PILOT STUDY TO MEASURE AEROSOL YIELDS AND CYTOTOXICITY
Maciej Goniewicz*, Noel Leigh, Evan Yang, Chris Bullen, Malcolm Tingle, Natalie Walker

Audience Key: BS: Basic Science; PC: Pre-Clinical; C: Clinical; PH/E: Public Health/Epidemiology; P: Policy; HD: Health Disparities; I: International; LMIC: Lower-Middle Income Countries; T=Treatment
SYM22C: CYTISINE VERSUS NICOTINE REPLACEMENT THERAPY FOR SMOKING CESSATION IN PEOPLE WITH MENTAL ILLNESS: SECONDARY ANALYSIS OF A NON-INFERIORITY TRIAL
Natalie Walker, Marjolein Verbiest*, Varsha Parag, Marewa Glover, Hayden McRobbie, Joanne Barnes, Vili Nosa, Chris Bullen

4:00 p.m.-5:30 p.m.
Johnson A-B (East Building, First Floor)
Podium Presentation 4: Paper Session 16
SOCIAL MEDIA EXPOSURE AND INTERVENTION RESEARCH
Chair: Michael Businelle, PhD
Audience: PH/E, P, C

PA16-1: LOW RISK OF BIAS IN BIOCHEMICAL VERIFICATION COMPLETION AMONG YOUNG ADULT SMOKERS PARTICIPATING IN A FACEBOOK INTERVENTION
Johannes Thrul*, Meredith Meacham, Danielle Ramo

PA16-2: TALKING ABOUT TOBACCO ON TWITTER: A RISK FACTOR FOR TOBACCO PRODUCT USE
Jennifer Unger*, Tess Cruz, Jessica Barrington-Trimis, Robert Urman, Rob McConnell

PA16-3: PROMOTION OF TOBACCO PRODUCTS ON FACEBOOK: POLICY VERSUS PRACTICE
Robert Jackler, Vanessa Li, Ryan Cardiff, Divya Ramamurthi*

PA16-4: DEVELOPMENT AND USABILITY TESTING OF THE SMOKING TOBACCO AND DRINKING (STAND) FACEBOOK INTERVENTION FOR YOUNG ADULTS
Manpreet Kaur*, Ella Corpuz, Judith Prochaska, Derek Satre, Danielle Ramo

PA16-5: THE IMPACT OF CUMULATIVE EXPOSURE TO TOBACCO RELATED SOCIAL MEDIA CONTENT ON PAST 30 DAY TOBACCO USE IN TEXAS ADOLESCENTS
Nicholas Garza*, Adriana Pérez, Melissa Harrell, Cheryl Perry

4:00 p.m.-5:30 p.m.
Holiday Ballroom 5 (East Building, Second Floor)
Podium Presentation 4: Paper Session 17
SMOKING AND MENTAL HEALTH: EPIDEMIOLOGY, PRECLINICAL, AND CLINICAL INSIGHTS
Chair: Lisa Fucito, PhD
Audience: PH/E, PC, C

PA17-1: INITIAL EVALUATION OF A POSITIVE ALLOSTERIC MODULATOR OF ALPHA-7 NICOTINIC RECEPTORS FOR EFFICACY IN AIDING CESSATION AMONG SMOKERS WITH OR WITHOUT SCHIZOPHRENIA
Kenneth Perkins*, K.N.Roy Chengappa, Joshua Karelitz, Margaret Boldry, Valerie Michael, Taylor Herb, Jessica Gannon, Jaspreet Brar, Lisa Ford, Stephanie Rassnick, Darlene Brunzell

PA17-2: HOW DISTRESS TOLERANCE AND ANXIETY SENSITIVITY RELATE TO TOBACCO DEPENDENCE, WITHDRAWAL, AND SMOKING CESSATION
Tanya Schlam*, Jessica Cook, Stevens Smith, Timothy Baker, Megan Piper
PA17-3: INCREASING DISPARITIES IN CIGARETTE SMOKING IN DEPRESSION FROM 2005 to 2015 IN THE UNITED STATES: EXAMINING THE ROLE OF SOCIOECONOMIC STATUS
Renee Goodwin*, Andrea Weinberger, Frank Bandiera, Adam Leventhal, Jennifer Tidey, Lisa Dierker

PA17-4: NICOTINE REINFORCEMENT IS NOT INCREASED IN THE MAM RODENT MODEL OF SCHIZOPHRENIA
Jillian Weeks*, Melanie Blank, Eric Donny, Alan Sved

PA17-5: THE EFFECTIVENESS OF A PROACTIVE OUTREACH SMOKING CESSATION INTERVENTION AMONG SOCIOECONOMICALLY DISADVANTAGED SMOKERS: THE ROLE OF SERIOUS MENTAL ILLNESS
Patrick Hammett*, Harry Lando, Rachel Widome, Brent Taylor, Darin Erickson, Steven Fu

4:00 p.m.-5:30 p.m.
Key Ballroom 1-6 (Main Building, Second Floor)
Podium Presentation 4: Paper Session 18
ELECTRONIC NICOTINE DELIVERY SYSTEMS: E-LIQUID CHARACTERISTICS AND VAPING BEHAVIOR
Chair: Gunes Kutlu, PhD
Audience: C, PC
PA18-1: THE EFFECT OF PUFF TOPOGRAPHY AND POWER SETTINGS ON ALDEHYDE AND CARBON MONOXIDE IN E-CIGARETTE AEROSOLS
Andrey Khlystov*, Vera Samburova, Jennifer Pearson, Matthew Strickland, Jeffrey Angermann, Lyndsey Darrow, Chiranjivi Bhattarai

PA18-2: DOES ELECTRONIC CIGARETTE PROPYLENE GLYCOL AND VEGETABLE GLYCERIN RATIO INFLUENCE NICOTINE DELIVERY, SUBJECTIVE EFFECTS, AND PUFF TOPOGRAPHY?
Tory Spindle*, Marzena Hiler, Nareg Karaoghlanian, Alan Shihadeh, Thomas Eissenberg

PA18-3: ‘REAL-WORLD’ COMPENSATORY BEHAVIOR WITH LOW NICOTINE CONCENTRATION E-LIQUID: SUBJECTIVE EFFECTS AND NICOTINE, ACROLEIN, AND FORMALDEHYDE EXPOSURE
Lynne Dawkins*, Sharon Cox, Maciej Goniewicz, Hayden McRobbie, Catherine Kimber, Mira Doig, Leon Kosmider

PA18-4: BEHAVIORAL ECONOMIC DEMAND FOR ELECTRONIC CIGARETTES: EFFECTS OF FLAVOR AND NICOTINE CONCENTRATION
Mikhail Koffarnus*

PA18-5: IMPACT OF E-LIQUID FLAVORS ON VAPING BEHAVIOR
Gideon St.Helen*, Marian Shahid, Sherman Chu, Neal Benowitz

5:30 p.m.-5:45 p.m.
Break

5:45 p.m.-7:00 p.m.
Key Ballroom 7-12 (Main Building, Second Floor)
Poster Session 4: Epidemiology and Public Health (Session 2)
7:00 p.m.-7:15 p.m.
Break

Audience Key: BS: Basic Science; PC: Pre-Clinical; C: Clinical; PH/E: Public Health/Epidemiology; P: Policy; HD: Health Disparities; I: International; LMIC: Lower-Middle Income Countries; T=Treatment
7:15 p.m.-8:15 p.m.
Key Ballroom 1-6 (Main Building, Second Floor)
Funding Sources Panel: The Role and Implications of the Funder of Tobacco and Nicotine Research

Session Chair: Thomas J. Glynn, PhD (Stanford)
Panel Speakers: A. Eden Evins, MD, MPH, Harvard Medical School and Massachusetts General Hospital; Joanna Cohen, PhD, Johns Hopkins University; Dave Dobbins, PhD, Truth Initiative; Laurent Huber, MS, Executive Director, Action on Smoking or Health, US; and Saul Shiffman, PhD, University of Pittsburgh and Pinney Associates

Scientifically rigorous and objective research that is reproducible and has the potential of advancing basic understanding and broader public health is the goal. What influence does the funder have on the science in terms of the questions that are asked, the methods that are applied, and the conclusions that are drawn? That is the focus of Friday evening’s session. With an expert panel discussion and time for interactive Q&A, this evening session will provide Society members with a forum for discussing the complex funding environment for nicotine and tobacco research, including the emerging development of the PMI-funded Foundation for a Smokefree World. With historical and current context and a focus on non-government funding models, the panelists will discuss transparency in governance, the peer-review process, priority-setting and funding decisions. From the researcher perspective, discussion will cover conflicts of interest, researcher independence, and how the source of funding may influence the researcher’s work, perceptions of their science, and publishing/dissemination of study findings. Have a question you would like answered? Send it ahead of time to: SRNT at info@srnt.org.
SRNT 2018 · Baltimore, Maryland

SUNDAY, FEBRUARY 25, 2018

8:00 a.m.-12:30 p.m.
Key Ballroom (Main Building, Second Floor)
Registration

8:00 a.m.-11:00 a.m.
Mencken (East Building, Second Floor)
Speaker Ready Room

8:30 a.m.-10:00 a.m.
Peale ABC (East Building, First Floor)
Podium Presentation 5: Symposium 23
ACROSS THE SPECTRUM: DIVERSITY OF TOBACCO PRODUCT USE
Chair: Jenny Wiley, PhD
Co-Chair: Joseph McClernon, PhD

SYM23A: ANALYSIS OF TOBACCO ALKALOIDS IN CIGARETTES, LITTLE CIGARS, E-CIGARETTES AND WATERPIPE TOBACCO
Brian Thomas*, Jenny Wiley, Melanie Silinski, Julie Marusich, Steven Meredith, Robert Gahl, Kia Jackson

SYM23B: IDENTIFYING E-CIGARETTE PERSON AND SESSION TYPES USING REAL-WORLD PUFF TOPOGRAPHY
Youn Lee*, James Nonnemaker, Antonio Morgan-Lopez, Jessica Pepper, Edward Hensael, Risa Robinson

SYM23C: NICOTINE-LIKE DISCRIMINATIVE STIMULUS EFFECTS OF E-LIQUIDS IN A VAPING MODEL IN MALE AND FEMALE MICE
Jenny Wiley*, Timothy Lefever, Julie Marusich, Alexander Kovach, Brian Thomas

SYM23D: WHAT WOULD YOU DO IF...? ANALYSIS OF YOUNG ADULT DUAL USERS’ ANTICIPATED RESPONSES TO HYPOTHETICAL E-CIGARETTE MARKET RESTRICTIONS
Lauren Pacek*, Jason Oliver, F. Joseph McClernon

SYM23E: DISCUSSANT
Dorothy Hatsukami*

8:30 a.m.-10:00 a.m.
Holiday Ballroom 2 (East Building, Second Floor)
Podium Presentation 5: Symposium 24
DECONSTRUCTING THE NATURAL CIGARETTE NARRATIVE—ANALYZING CURRENT EVIDENCE TO INFORM FUTURE POLICY
Chair: Raymond Boyle, PhD, MPH
Co-Chair: Joni Jensen, MPH

SYM24A: “OUR SECRET IS... THERE ARE NO SECRET INGREDIENTS”: THE MARKETING OF NATURAL AMERICAN SPIRIT
Erin O’Gara*, Joanne D’Silva, CoCo Villaluz, Raymond Boyle

SYM24B: PERCEIVED HEALTH RISKS AND BIOMARKERS OF POTENTIAL HARM AMONG NATURAL AMERICAN SPIRIT SMOKERS
Dana Carroll*, Joni Jensen, Eric Donny, Steve Hecht, Sharon Murphy, Xianghua Luo, Irina Stepanov, Dorothy Hatsukami

Audience Key:  BS: Basic Science; PC: Pre-Clinical; C: Clinical; PH/E: Public Health/Epidemiology; P: Policy; HD: Health Disparities; I: International; LMIC: Lower-Middle Income Countries; T=Treatment
SYM24C: TOXICANTS AND CARCINOGENS IN NATURAL AMERICAN SPIRIT CIGARETTES
Irina Stepanov*, Vipin Jain, Aleksandra Alcheva
8:30 a.m.-10:00 a.m.
Holiday Ballroom 3 (East Building, Second Floor)
Podium Presentation 5: Symposium 25
A SYMPOSIUM ON CIGARS: MEASUREMENT CHALLENGES, HARMONIZATION, AND STATISTICAL TECHNIQUES FOR AGGREGATING DIVERSE DATA SETS, AND INDICATORS OF CIGAR TOXICITY
Chair: Howard Fishbein, DrPH, MPH
Audience: PH/E

SYM25A: HARMONIZING CIGAR SURVEY DATA ACROSS TCORS, CTP, AND PATH STUDIES: THE CIGAR COLLABORATIVE RESEARCH GROUP
Howard Fishbein*, Robin Merrelstein, Melissa Harrel, Alexander Loukas, Kimberly Sterling

SYM25B: IDENTIFYING AND ADDRESSING CIGAR MEASUREMENT CHALLENGES
MeLisa Creamer*, Josephine Hinds, Grace Kong, Howard Fishbein, Jennifer Ross

SYM25C: COMPARATIVE ACUTE PULMONARY TOXICITY AND BIOMARKERS OF CIGARLLOS, WATERPIPES, AND CIGARETTE SMOKE (IN MICE)
Irfan Rahman*, Isaac Sundar, Naushad Kahn

SYM26A: INTEGRATING ECOLOGICAL MOMENTARY ASSESSMENT WITH SPACE-TIME GEOGRAPHY TO IMPROVE MHEALTH TOBACCO INTERVENTIONS FOR LGBT+ YOUNG ADULTS
Julia McQuoid*, Johannes Thrul, Pamela Ling

SYM26B: POSITIVELY SMOKE FREE - MOBILE (PSF-M): AN MHEALTH APPROACH TO TOBACCO TREATMENT FOR HIV-INFECTED SMOKERS
Jonathan Shuter*, Lawrence An, Lorien Abroms

SYM26C: DEVELOPMENT AND EVALUATION OF A SMOKELESS TOBACCO CESSATION MOBILE HEALTH PROGRAM FOR MILITARY VETERANS
Dana Christofferson*, Jeffrey Hertzberg, Paul Dennis, Jean Beckham, Kim Hamlett-Berry

SYM26D: A RANDOMIZED TRIAL OF TEXT MESSAGING FOR SMOKING CESSATION IN PREGNANT WOMEN
Lorien Abroms*, Pamela Johnson, Leah Leavitt, Sean Cleary, Jessica Bushar, Thomas Brandon, Shawn Chiang

8:30 a.m.-10:00 a.m.
Johnson A-B (East Building, First Floor)
Podium Presentation 5: Symposium 27
TOBACCO PERCEPTIONS IN VULNERABLE POPULATIONS
Chair: Grace Kong
Audience: PH/E
SYM27A: THE “STATE” OF TOBACCO: PERCEPTIONS OF TOBACCO AMONG APPALACHIAN YOUTH IN KENTUCKY

SYM27B: A LATENT CLASS ANALYSIS OF TOBACCO HARM PERCEPTIONS AMONG US ADOLESCENTS
Grace Kong*, Patricia Simon, Margaret Mayer, Jessica Barrington-Tronis, Lauren Pacek, Maria Cooper, Mignonnie Guy, Cassandra Stanton

SYM27C: HOOKAH USE AMONG U.S. YOUTH: A SYSTEMATIC REVIEW
Maria Cooper*, Lauren Pacek, Mignonnie Guy, Cassandra Stanton, Patricia Simon, Jessica Barrington-Tronis, Grace Kong

SYM27D: DIFFERENCES IN US ADULTS’ CIGARETTE BELIEFS BY EDUCATION AND INCOME: RESULTS FROM 2015 HINTS DATA
Andrea Villanti*, Maria Parker, Cassandra Stanton, Antonio Cepeda-Benito, Diann Gaalema, Allison Kurti, Diana Keith, Ryan Redner, Alexa Lopez, Nathan Doogan, Megan Roberts, Amanda Quisenberry, Stephen Higgins

8:30 a.m.-10:00 a.m.
Holiday Ballroom 6 (East Building, Second Floor)
Podium Presentation 5: Paper Session 19
ADDICTION/ABUSE LIABILITY OF TOBACCO PRODUCTS
Chair: Jill Turner, PhD
Audience: PH/E, C, PC

PA19-1: MENTHOL CIGARETTES ARE ASSOCIATED WITH NICOTINE DEPENDENCE RISK AMONG US ADOLESCENTS
Samantha Cwalina*, Jennifer Unger, Mary Ann Pentz

PA19-2: COMPARISON OF CONVENTIONAL AND ELECTRONIC CIGARETTE REWARD VALUE MEASURED DURING A CUE-REACTIVITY TASK: AN EXTENSION OF THE CHOICE-BEHAVIOR-UNDER-CUED-CONDITIONS (CBUCC) PROCEDURE
Ashley Dowd*, Stephen Tiffany

Hai-Yen Sung*, Yingning Wang, Tingting Yao, Wendy Max

PA19-4: MEASURING NICOTINE DEPENDENCE AMONG ADOLESCENT AND YOUNG ADULT CIGARILLO AND MULTIPLE TOBACCO PRODUCT USERS
Susan Flocke*, Erika Trapl, Elizabeth Antognoli, Rock Lim, Sarah Koopman-Gonzalez, David Cavallo, Maria Pagano, José Marino

PA19-5: SMOKERS AND DUAL USERS: DEPENDENCE AND CESSATION MOTIVATION
Megan Piper*, Timothy Baker, Michael Fiore, Stevens Smith, Kate Kobinsky, Neal Benowitz, Douglas Jorenby

PA19-6: HOW DO ELECTRONIC CIGARETTES AFFECT CRAVINGS TO SMOKE OR VAPE? PARSING THE INFLUENCES OF NICOTINE AND EXPECTANCIES USING THE BALANCED-PLACEBO DESIGN
Amanda Palmer*, Thomas Brandon
8:30 a.m.-10:00 a.m.
Ruth (East Building, First Floor)
Podium Presentation 5: Paper Session 20
TOBACCO USE AMONG LGBT
Chair: Rachel Grana Mayne, PhD, MPH
Audience: P, PH/E, C

PA20-1: SINGLE AND MULTI-PRODUCT TOBACCO USE AMONG YOUNG ADULT LGBT NON-DAILY CIGARETTE SMOKERS
Samantha Jacobs*, Dana Wagner, Carolyn Stalgaitis, Mario Navarro, Janine Delahanty

PA20-2: TOBACCO USE AMONG LGBTQ INDIVIDUALS: 2016 SURVEY AND FOCUS GROUP RESULTS

PA20-3: TOBACCO-FREE POLICIES AND TOBACCO CESSATION SYSTEMS AT LESBIAN, GAY, BISEXUAL, AND TRANSGENDER SERVING COMMUNITY HEALTH CENTERS
Joseph Lee*, Megan DeMarco, Matthew Beymer, Chelsea Shover, Robert Bolan

PA20-4: TOBACCO POLICIES AT LESBIAN, GAY, BISEXUAL, AND TRANSGENDER PRIDE FESTIVALS: 100 MOST POPULOUS CITIES, USA, 2017
Joseph Lee*, Jasmine Spivey, Stacy Smallwood

PA20-5: SOCIAL OR SOLO? SOCIAL INFLUENCES AND NON-DAILY SMOKING IN LGBT YOUNG ADULTS
Dana Wagner*, Samantha Jacobs, Mario Navarro, Janine Delahanty

8:30 a.m.-10:00 a.m.
Holiday Ballroom 5 (East Building, Second Floor)
Podium Presentation 5: Paper Session 21
GLOBAL TOBACCO CONTROL POLICY INTERVENTIONS
Chair: Hua Yong, PhD
Audience: P

PA21-1: EFFECTS OF TOBACCO 21 ON UNDERAGE SALES VIOLATION IN CALIFORNIA: 2015-2017
Hongying Dai*

PA21-2: COMPLIANCE OF HEALTH WARNING LABELS ON SMOKELESS TOBACCO PRODUCTS IN INDIA
Sejal Saraf*, Kevin Welding, Joanna Cohen, Katherine Smith

PA21-3: Compliance with the City of Chicago’s Partial Menthol Cigarette Sales Ban in Tobacco Retail Stores within 500 Feet of High Schools
Lauren Czaplicki*, Jill Owczarzak, Miranda Jones, Katherine Smith, Joanna Cohen

PA21-4: EFFECT OF STATE MEDICAID COVERAGE OF TOBACCO DEPENDENCE TREATMENT ON SMOKING CESSATION AMONG ADULT MEDICAID BENEFICIARIES, UNITED STATES, 2008-2014
Deliana Kostova, Xin Xu*, Stephen Babb, Sara McMenamin, Brian King

PA21-5: Differences in norms towards e-cigarettes across Canada, the US, England and Australia: Cross Sectional findings from the 2016 ITC Four Country Survey
Liam Jennions*, Ann McNeill, Katherine East, K. Michael Cummings, Geoffrey Fong, Hua-Hie Yong, James Thrasher, Sara Hitchman
PA21-6: COURT-ORDERED CORRECTIONS OF TOBACCO COMPANY RACKETEERING: AWARENESS, ATTITUDES, AND IMPLICATIONS FOR TOBACCO CONTROL POLICY
James Matheny*, Elise Stevens, Sixia Chen

8:30 a.m.-10:00 a.m.
Holiday Ballroom 1 (East Building, Second Floor)
Podium Presentation 5: Paper Session 22
PRECLINICAL STUDIES TO INFORM TOBACCO USE TREATMENT
Chair: Rebecca Ashare, PhD
Co-Chair: Heath Schmidt, PhD
Audience: PC, C

PA22-1: EFFECTS OF OPIOID BLOCKADE ON STRESS RESPONSE DURING ACUTE SMOKING WITHDRAWAL
Motohiro Nakajima*, Mustafa al'Absi

PA22-2: INDIVIDUAL DIFFERENCES IN RESPONDING TO BUPROPION OR VARENICLINE IN A PRECLINICAL MODEL OF NICOTINE SELF-ADMINISTRATION VARY ACCORDING TO INDIVIDUAL DEMAND FOR NICOTINE REINFORCEMENT
Theodore Kazan*, Karl Zeroka, Kathryn Taylor, Amanda LeBel, Kelly Trainor, Daniel Hertia, Sergios Chantikov

PA22-3: IMPACT OF EARLY LIFE ADVERSITY ON THE STRESS BIOBEHAVIORAL RESPONSE DURING TOBACCO WITHDRAWAL
Mustafa al'Absi*, Motohiro Nakajima

PA22-4: EFFECT OF NICOTINE LOZENGE USE PRIOR TO SMOKING CUE PRESENTATION ON CRAVING AND WITHDRAWAL SYMPTOM SEVERITY
Michael Kotlyar*, Rachel Vogel, Sheena Dufresne, Anne Mills, John Vuchetich

PA22-5: VARENICLINE TREATMENT EFFICACY FOR NICOTINE SELF-ADMINISTRATION ON A SECOND-ORDER SCHEDULE DIFFERS BY SEX
Christopher Larsen*, Brady Thompson, Y. Huynh, Isabella Catalano, Jordan Wordekemper, Scott Barrett, Rick Bevins, Jennifer Murray

8:30 a.m.-10:00 a.m.
Key Ballroom 1-6 (Main Building, Second Floor)
Podium Presentation 5: Paper Session 23
TOXICOLOGY OF ALTERNATIVE NICOTINE DELIVERY SYSTEMS
Chair: Lurdes Queimado, PhD
Audience: PC, PH/E

PA23-1: THE EFFECT OF ELECTRONIC CIGARETTE AEROSOLS ON PULMONARY INFLAMMATION
Xin Zhou, Suresh Kalathil, Traig Bhat, Sandra Sexton, Noel Leigh, Maciej Goniewicz, Yasmim Thanavala*

PA23-2: CELLULAR TOXICITY AND REACTIVE OXYGEN SPECIES PRODUCTION BY COMMONLY USED FLAVORING AGENTS IN E-CIGARETTE LIQUIDS
Thivanka Muthumalage*, Melanie Prinz, Isaac Sundar, Deborah Ossip, Scott McIntosh, Maciej Goniewicz, Richard O’Connor, Irfan Rahman

PA23-3: CYTOTOXIC EFFECTS OF A TOBACCO HEAT-NOT-BURN SYSTEM ON HUMAN BRONCHIAL EPITHELIAL CELLS
Noel Leigh*, Phillip Tran, Richard O’Connor, Maciej Goniewicz
PA23-4: ELECTRONIC CIGARETTE AEROSOLS INDUCE DNA DAMAGE AND DECREASE DNA REPAIR
Lurdes Queimado*, Jimmy Manyanga, Lacy Brame, Dehra McGuire, Balaji Sadhasivam, Daniel Brobst, David Rubenstein, Evan Floyd, Ilango van Ramachandran, Theodore Wagener, Vengatesh Ganapathy

PA23-5: DIFFERENTIAL RESPIRATORY TOXICITY INDUCED BY E-CIGARETTE AEROSOL FLAVORINGS IN COMBINATION WITH NICOTINE
Seung-Hyun Cho*, Jonathan Thornburg, Jean Kim, Nalyn Siripanichigon

10:00 a.m.-10:30 a.m.
Stone (Main Building, 3rd Floor)
Meet-the-Editor Session
Editor-in-Chief: Marcus Munafo, PhD, Nicotine and Tobacco Research Journal

10:00 a.m.-10:30 a.m.
Key Ballroom Foyer (Main Building, 2nd Floor)
Refreshment Break

10:30 a.m.-12:00 noon
Holiday Ballroom 1 (East Building, Second Floor)
Podium Presentation 6: Symposium 28
REACHING ADOLESCENTS WITH DIGITAL SMOKING CESSION INTERVENTIONS
Chair: Yvonne Hunt, PhD, MPH
Co-Chair: Rachel Grana Mayne, PhD, MPH
Audience: PH/E

SYM28A: A CONTENT ANALYSIS OF SMARTPHONE APPS FOR ADOLESCENT SMOKING CESSION
Cendrine Robinson*, Elizabeth Seaman, Emily Grenen, Latrice Montgomery, Robert Yockey, Kisha Coa, Yvonne Hunt, Erik Augustson

SYM28B: LEVERAGING LESSONS LEARNED TO IMPROVE DIGITAL ADOLESCENT TOBACCO CESSION INTERVENTIONS: HIGHLIGHTS FROM AN ENVIRONMENTAL SCAN OF WEB AND MOBILE-BASED BEHAVIOR CHANGE RESOURCES
Yvonne Hunt*, Cendrine Robinson, Emily Grenen, Kisha Coa

SYM28C: REACH AND ENGAGEMENT OF ADOLESCENTS WITH A MOBILE APPLICATION FOR QUITTING SMOKING
Emily Grenen*, Kisha Coa, Ellen Beckjord, Maria Asencio, Yvonne Hunt, Erik Augustson

SYM28D: REACH AND ENGAGEMENT OF ADOLESCENTS WITH A TEXT MESSAGING PROGRAM FOR QUITTING SMOKING
Kisha Coa*, Emily Grenen, Cendrine Robinson, Yvonne Hunt, Erik Augustson

10:30 a.m.-12:00 noon
Holiday Ballroom 3 (East Building, Second Floor)
Podium Presentation 6: Symposium 29
PROGRESS AND CHALLENGES RELATED TO ELIMINATING TOBACCO RELATED HEALTH DISPARITIES IN THE UNITED STATES
Chair: Linda Alexander, EdD
Co-Chair: Pebbles Fagan, PhD
Audience: PH/E

SYM29A: HOW FAR HAVE WE COME IN OUR PURSUIT TO ELIMINATE TOBACCO RELATED HEALTH DISPARITIES? Pebbles Fagan*, Linda Alexander, Dennis Trinidad
SYM29B: A CRITICAL EXAMINATION OF THE ROLE OF HARM REDUCTION IN REDUCING TOBACCO-RELATED HEALTH DISPARITIES
Phillip Gardiner*

SYM29C: MENTHOL FLAVORED TOBACCO PRODUCTS AND THE IMPORTANCE OF POLICY ADVOCACY AT THE LOCAL LEVELS
Valerie Yerger*

10:30 a.m.-12:00 noon
Peale ABC (East Building, First Floor)
Podium Presentation 6: Symposium 30
DEMAND MODELING TO INFORM TOBACCO REGULATORY SCIENCE: TRANSDISCIPLINARY AND INTERNATIONAL PERSPECTIVES
Chair: Bryan Heckman, PhD
Co-Chair: Ce Shang, PhD
Audience: P

SYM30A: THE INFLUENCE OF E-CIGARETTE USE AND REGULATORY ENVIRONMENT ON CIGARETTE DEMAND: BEHAVIORAL ECONOMIC PERSPECTIVE ACROSS FOUR COUNTIES

SYM30B: THE EXPERIMENTAL TOBACCO MARKETPLACE: EFFECTS OF (1) E-LIQUID NICOTINE STRENGTH AND (2) TAXES AND SUBSIDIES
Warren Bickel*

SYM30C: US DEMAND FOR ELECTRONIC CIGARETTES: EVIDENCE FROM ITC US SURVEYS
Kai-Wen Cheng*

SYM30D: THE COST OF VAPING AND DEMAND FOR E-CIGARETTES: ECONOMIC ANALYSIS FROM FOUR COUNTRIES
Ce Shang*

SYM30E: ECONOMIC MODELING TO FORECAST THE IMPACT OF VAPING: SIMULATION STUDY
David Levy*

10:30 a.m.-12:00 noon
Key Ballroom 1-6 (Main Building, Second Floor)
Podium Presentation 6: Symposium 31
EAGLES—THE SECOND GENERATION: COMPARING THE SAFETY AND EFFICACY OF THE 1ST-LINE PHARMACOTHERAPIES IN SMOKERS WITH PSYCHIATRIC DISORDERS
Chair: Robert Anthenelli, MD
Audience: C

SYM31A: EFFICACY AND SAFETY OF 1ST-LINE PHARMACOTHERAPIES FOR SMOKING CESSATION IN BIPOLAR DISORDER: SUBGROUP ANALYSIS OF THE RANDOMIZED, ACTIVE- AND PLACEBO-CONTROLLED EAGLES TRIAL
Jaimee Heffner*, Catherine Ayers, Cristina Russ, David Lawrence, Thomas McRae, Lisa St. Aubin, Alok Krishen, Neal Benowitz, Robert West, A. Eden Evins, Robert Anthenelli
SYM31B: EFFICACY AND SAFETY OF PHARMACOTHERAPIES FOR SMOKING CESSATION IN ANXIETY DISORDERS: SUBGROUP ANALYSIS OF THE RANDOMIZED, ACTIVE- AND PLACEBO-CONTROLLED EAGLES TRIAL
Catherine Ayers*, Jaimee Heffner, Cristina Russ, David Lawrence, Thomas McRae, A. Eden Evins, Robert Anthenelli

SYM31C: SAFETY AND EFFICACY OF PHARMACOTHERAPEUTIC SMOKING CESSATION AIDS IN THOSE WITH PSYCHOTIC DISORDERS: A SUBGROUP ANALYSIS OF THE EAGLES TRIAL
A. Eden Evins*, Robert West, Neal Benowitz, Cristina Russ, David Lawrence, Thomas McRae, Robert Anthenelli

10:30 a.m.-12:00 noon
Holiday Ballroom 2 (East Building, Second Floor)
Podium Presentation 6: Symposium 32
TOBACCO MARKETING AND VULNERABLE POPULATIONS
Chair: Shyanika Rose, PhD, MA
Co-Chair: Megan Roberts, PhD
Audience: PH/E, P

SYM32A: VULNERABILITIES TO TOBACCO MARKETING: AN ECOLOGICAL MOMENTARY ASSESSMENT STUDY WITH URBAN AND RURAL ADOLESCENTS
Megan Roberts*, Brittney Keller-Hamilton, Amy Ferketich

SYM32B: TOBACCO COUPON RECEIPT, VULNERABILITY CHARACTERISTICS, AND TOBACCO USE OUTCOMES AMONG US YOUTH: LONGITUDINAL ANALYSIS OF WAVES 1 AND 2 OF THE PATH STUDY
Shyanika Rose*, Allison Glasser, Yitong Zhou, N. Tess Cruz, Amy Cohn, M. Justin Byron, Brianna Liememann, Liling Huang, Helen Meissner, Lourdes Baezconde-Garbanati, Jennifer Unger

SYM32C: THE ASSOCIATION OF LIKING TOBACCO ADVERTISEMENTS AND TOBACCO USE AMONG YOUNG ADULTS: FINDINGS FROM POPULATION ASSESSMENT OF TOBACCO AND HEALTH (PATH) WAVE 1
Brianna Liememann*, Tess Cruz, Shyanika Rose, Jennifer Unger, Helen Meissner, Lourdes Baezconde-Garbanati, M. Justin Byron

SYM32D: TOBACCO POINT-OF-SALE MARKETING BY RACE AND ETHNICITY
Allison Groom*, Raul Cruz-Cano, Erin Mead, Joy Hart, Kandi Walker, Aida Giachello, Cheryl Oncken

10:30 a.m.-12:00 noon
Holiday Ballroom 4 (East Building, Second Floor)
Podium Presentation 6: Paper Session 24
IMPACT OF POINT-OF-SALE EXPOSURE
Chair: Annette Kaufman, PhD, MPH
Audience: PH/E, P

PA24-1: The Influence of Electronic Nicotine Delivery Systems (ENDS) Point-of-Sale Marketing Exposure on Perceptions, Susceptibility, and Use of Marijuana in ENDS among College Students
Daniel Kreitzberg*, Keryn Pasch, Alexandra Loukas, Cheryl Perry

PA24-2: POINT-OF-SALE PROMOTION OF NON-CIGARETTE TOBACCO PRODUCTS IN MANHATTAN, NYC
Daniel Giovenco*, Torra Spillane, July Merzier, Stanley Zheng
PA24-3: EXPOSURE TO RETAIL TOBACCO OUTLET ADVERTISING AND USE OF AND SUSCEPTIBILITY TO CIGARETTES AND E-CIGARETTES AMONG TEXAS 8TH AND 10TH GRADE STUDENTS
Keryn Pasch*, Adriana Pérez, Daniel Kreitzberg, Nicholas Garza, Christina Ly, Melissa Harrell, Cheryl Perry

PA24-4: GRAPHIC HEALTH WARNING POSTERS AT RETAIL POINT-OF-SALE INCREASE SOME ADOLESCENTS’ FUTURE SMOKING RISK: AN EXPERIMENTAL INVESTIGATION
William Shadel*, Steven Martino, Claude Setodji, Michael Dunbar, Serafina Lanna, Amanda Meyer

PA24-5: EXPOSURE TO THE TOBACCO POWER WALL INCREASES INTENTIONS TO USE E-CIGARETTES IN THE FUTURE
Michael Dunbar*, Claude Setodji, Steven Martino, William Shadel

10:30 a.m.-12:00 noon
Ruth (East Building, First Floor)
Podium Presentation 6: Paper Session 25
ADDRESSING TOBACCO-RELATED RISKS IN INDIGENOUS POPULATION
Chair: Joseph Lee, PhD, MPH
Audience: PH/E

PA25-1: SECONDHAND SMOKE EXPOSURE INTERVENTION IN LAKOTA FAMILY HOUSEHOLDS
Priscilla Nez*, Patricia Henderson, Janet Thomas, Carolyn Noonan, Chantal Nez, Dedra Buchwald, Jeffrey Henderson

PA25-2: SMOKING AND QUITTING IN SOCIAL NETWORKS AMONG INDIGENOUS AND NON-INDIGENOUS SMOKERS: FINDINGS FROM THE ITC NEW ZEALAND SURVEY
Richard Edwards*, James Stanley, Andrew Waa, Susan Kaai, Anne Quah, Geoffrey Fong

PA25-3: DEVELOPING HEALTH COMMUNICATION MESSAGING FOR A SOCIAL MARKETING CAMPAIGN TO REDUCE TOBACCO USE IN PREGNANCY AMONG ALASKA NATIVE WOMEN
Christi Patten*, Harry Lando, Kenneth Resnicow, Paul Decker, Christina Smith, Marcelo Hanza, Linda Burhansstipanov, Matthew Scott

PA25-4: URBAN INDIGENOUS COMMERCIAL TOBACCO USE IN CANADA: OUR HEALTH COUNTS TORONTO
Sara Wolf, Raglan Maddox*, Chloé Xavier, Kristen O’Brien, Janet Smylie

PA25-5: HARDENING AMONG INDIGENOUS AND NON-INDIGENOUS SMOKERS: FINDINGS FROM THE ITC NEW ZEALAND SURVEY
Richard Edwards*, James Stanley, Andrew Waa, Susan Kaai, Anne Quah, Geoffrey Fong
10:30 a.m.-12:00 noon
Johnson A-B (East Building, First Floor)

Podium Presentation 6: Paper Session 26
TOBACCO-CONTROL CAMPAIGNS: RESEARCH TO EVALUATION
Chair: Erin Sutfin, PhD
Audience: PH/E, P

PA26-1: COST-EFFECTIVENESS ANALYSIS OF THE REAL COST CAMPAIGN’S EFFECT ON SMOKING PREVENTION
Anna MacMonegle*, Jennifer Duke, James Nonnemaker, Matthew Farrelly, Xiaquan Zhao, Janine Delahanty, Alexandria Smith, Pamela Rao, Jane Allen

PA26-2: IMPACT OF EMOTIONAL RESPONSE TO ADS ON TOBACCO-RELATED ATTITUDES AMONG US YOUTH AND YOUNG ADULTS
Jessica Rath*, Molly Green, Elizabeth Hair, Mary Cantrell, Donna Vallone

PA26-3: TRACKING THE CONVERSION: ENSURING DIGITAL OUTREACH EFFORTS RESULT IN ADOPTION OF CESSATION RESOURCES
Brian Keefe*, David Vaughan, Erik Augustson

PA26-4: DOES BRIEF EXPOSURE TO E-CIGARETTE VAPOR CUES IN PUBLIC SERVICE ANNOUNCEMENTS INFLUENCE SMOKING AND VAPING-RELATED URGES AND USE INTENTIONS?
Andy Tan*, Vaughan Rees, Justin Rodgers, Emeka Agudile, Natasha Sokol, Kyeungyeun Yie, Ashley Sanders-Jackson

PA26-5: ADOLESCENT NEURAL RESPONSES TO ANTI-SMOKING MESSAGES, PERCEIVED AD EFFECTIVENESS, AND SHARING INTENTION AND ELABORATION
Elissa Kranzler*, Rui Pei, Ralf Schmaelzle, Matthew O’Donnell, Emily Falk

10:30 a.m.-12:00 noon
Holiday Ballroom 6 (East Building, Second Floor)

Podium Presentation 6: Paper Session 27
DEVELOPMENTS IN TOBACCO USE EXPOSURE ASSESSMENT WITH BIOMARKERS
Chair: Heather Kimmel, PhD
Audience: PH/E, PC

PA27-1: The influence of race and UGT2B10 activity on glucuronidation of anatabine, a minor tobacco alkaloid and urinary biomarker of tobacco use
Sharon Murphy*, Linda vonWeymarn, Leah Raddaz, Christopher Sipe, Nicole Thomson, Eric Donney, Dorothy Hatsukami

PA27-2: An International Collaborative Study of the Measurement of Nicotine, its Metabolites, and Total Nicotine Equivalents in Human Urine Pools as an Index of Exposure to Tobacco Products
Lanqing Wang*, Neal Benowitz, June Feng, Peyton Jacob, Ernest McGahee, Samuel Caudill, John Bernert

PA27-3: Nicotine Exposure Assessment in US Population, PATH Wave 1
June Feng*, Lanqing Wang, Connie Sosnoff, Benjamin Blount, Nathan Geldner, B. Rey deCastro, Sharyn Miller, Dana van Bemmel, Rachel Zamoiski, A. Yesy Del Valle-Pinero, Juan Crespo-Barreto, Nicolette Borek, Heather Kimmel, Kathryn Edwards, Andrew Hyland, Maciej Goniewicz, Dorothy Hatsukami, Stephen Hecht
PA27-4: URINARY CONCENTRATION OF TOBACCO-SPECIFIC NITROSAMINES (TSNAs) IN THE US POPULATION FROM THE POPULATION ASSESSMENT OF TOBACCO AND HEALTH (PATH) STUDY
Baoyun Xia*, Benjamin Blount, Yao Li, B. Rey deCastro, Yang Xia, Cindy Chang, Gladys Erives, Tonya Guillot, Christina Brosius, John Lee, Justin Brown, Stephen Armstein, Diane Choi, Erin Wade, Angel Cobos, Keegan Nicodemus, Dana Freeman, John Bernert, Kevin Conway, Kathryn Edwards, Andrew Hyland, Maciej Goniewicz, Dorothy Hsatsukami, Stephen Hecht, Dana Bemmel, Nicolette Borek, Heather Kimmel, Lanqing Wang

PA27-5: Examining biomarkers of four harmful tobacco-specific nitrosamines in smokers’ urine and oral fluid
Christina Brosius*, Baoyun Xia, Jenae Smith, Lanqing Wang

10:30 a.m.-12:00 noon
Holiday Ballroom 5 (East Building, Second Floor)
Podium Presentation 6: Paper Session 28
PREGNANCY: TRANSLATIONAL RESEARCH
Chair: Alicia Allen, PhD, MPH
Audience: PC, C

PA28-1: SMOKING DURING PREGNANCY AS A RISK FACTOR FOR NEONATAL ABSTINENCE SYNDROME SEVERITY AMONG NEWBORNS PRENATALLY EXPOSED TO MEDICATION ASSISTED THERAPY FOR OPIOID ADDICTION TREATMENT
Beth Bailey*, David Wood, Nathaniel Justice

PA28-2: PROSPECTIVELY COLLECTED RESEARCH DATA VS. DATA EXTRACTED FROM THE ELECTRONIC MEDICAL RECORD TO DETERMINE SMOKING BEHAVIOR DURING PREGNANCY
Beth Bailey*

PA28-3: EFFECT OF LOW AND HIGH FINANCIAL INCENTIVES ON BIRTH WEIGHT OF NEWBORNS TO PREGNANT SMOKERS ENROLLED IN A CONTINGENCY MANAGEMENT INTERVENTION TRIAL
Alejandro Arrieta, Jonathan Macy*, Susan Middlestadt, Stephen Jay, Stephanie Dickinson, Hiroki Naganobori, Brandy Paul

PA28-4: A ‘real-world’ evaluation of financial incentives to help pregnant womEn stop smoking
Hayden McRobbie*, Michelle Lee

PA28-5: SMOKING AND QUITTING SMOKING DURING PREGNANCY: A QUALITATIVE EXPLORATION OF THE SOCIO-CULTURAL CONTEXT FOR THE DEVELOPMENT OF A COUPLE-BASED SMOKING CESSATION INTERVENTION IN ROMANIA
Alexandra Brînzaniuc, Ioana Rus, Razvan Chereches, Oana Blaga, Dan Mihu, Cristian Iuhas, Cristian Meghea*

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

12:15 p.m.-1:30 p.m.
Key Ballroom 7-12 (Main Building, Second Floor)
Poster Session 5: Rapid Response (Late-Breaking)
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