



SRNT

2022

BALTIMORE MD

March 15-18

PROGRAM



## TABLE OF CONTENTS

Abstract Reviewers.....	10
Annual Meeting Evaluation Information.....	30
Badges .....	21
Board of Directors & Leadership .....	23
Continuing Education Credits .....	22
Educational Objectives .....	17
Future Meetings.....	24
Hotel Floor Plans .....	31
Index–Author .....	94
Lunches .....	21
Message from the Program Chair .....	3
On-Demand Papers (Pre-Recorded Paper “Plus” Presentation) Information.....	67
Past Presidents and Program Chairs .....	15
Post-Conference Virtual Workshops .....	29
Poster Session Setup Schedule .....	18
Program Committee & Reviewers .....	7
Registration .....	17
Registration Scholarship Award Winners .....	29
Remembrances of Pioneers for Whom SRNT’s 2022 Awards are Named .....	24
<b>Session Summary:</b> .....	<b>33</b>
Tuesday, March 15, 2022 .....	33
Wednesday, March 16, 2022 .....	38
Thursday, March 17, 2022 .....	55
Friday, March 18, 2022 .....	68
On-Demand Papers.....	79
Speaker Ready Room .....	20
SRNT Supporters .....	29
Target Audience.....	17



## MESSAGE FROM THE PROGRAM CHAIR

Dear Colleagues,

On behalf of the SRNT Program Committee, we welcome you to the 28th Annual Meeting of the Society for Research on Nicotine and Tobacco (SRNT) in Baltimore!

The program theme this year is “Innovation and Opportunity in a Changing Landscape: Working Together to Advance Nicotine Science to Achieve Health Equity”. This theme has guided our selection of plenary sessions, and we have aimed to include submitted content across pre-clinical and basic science, epidemiology, clinical trials, health equity studies, and policy to better understand, prevent, and treat tobacco use. As always, the Annual Meeting will showcase cutting-edge scientific presentations across the full spectrum of basic and applied research on nicotine and tobacco. There will be presentations on pivotal clinical trials of innovative treatments, smoking endgame strategies, new and synthetic nicotine products, global perspectives, neurobiological mechanisms and genomics, plus hot topics in the areas of menthol bans, equity impacts of policies, nicotine reduction, tobacco-use epidemiology, co-use with cannabis, smoking, and COVID, biomarkers, tobacco product regulation, cessation, and tobacco control policy.

Several key highlights for the meeting are:

Tuesday, March 15, 2022

3:30 p.m.-5:00 p.m. EDT

### **Opening Plenary Session**

**Presidential Symposium & SRNT 2022 President’s Award Theme Lecture: Imagination and Vision: Freedom from Non-Conformity and Reflections on the Possibilities**

**Session Chairs:** Megan Piper, PhD, SRNT President 2021-2022; University of Wisconsin, Madison, WI, USA; Mignonne C. Guy, PhD, Virginia Commonwealth University, Richmond, VA, USA

**Presenter:** Pebbles Fagan, PhD, MPH, SRNT 2022 President’s Award Recipient, Professor Director, Center for the Study of Tobacco, Department of Health Behavior and Health Education Fay W. Boozman College of Public Health, Director of Research, Office of Health Initiatives and Disparities Research, Department of Surgery, College of Medicine and Winthrop P. Rockefeller Cancer Institute, University of Arkansas for Medical Sciences

**Overview:** This symposium will review the key SRNT milestones from 2021-2022 and bestow the SRNT Presidential Award to **Dr. Pebbles Fagan**. Following an introduction from **Dr. Mignonne Guy**, **Dr. Fagan** will present on Imagination and Vision: Freedom from Non-Conformity and Reflections on the Possibilities.



Wednesday, March 16, 2022

8:30 a.m.-9:30 a.m. EDT

**Health Equity Theme Lecture**

**Authentic Equity in Tobacco Disparities Research**

*Linda A. Alexander, EdD*

*Senior Associate Dean of Academic, Student, and Faculty Affairs*

*Professor, Social and Behavioral Sciences*

*Chair, School of Public Health Diversity & Inclusion Task Force*

*West Virginia University School of Public Health*

Wednesday, March 16, 2022

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

**Clinical Theme Lecture and Recipient of the 2022 Ferno Award**

**CrEATE: A Procedure to Efficiently Detect Efficacy in Novel Treatments for Cessation**

*Kenneth Perkins, PhD*

*Professor of Psychiatry, Psychology, and Epidemiology*

*University of Pittsburgh*

Thursday, March 17, 2022

10:30 a.m.-11:30 a.m. EDT

**Policy Theme Lecture**

**Achieving a Smoke-Free Generation in a Post-COVID World: Progress, Equity, and Innovation in England**

*Kevin Fenton, MBBS (Hons) MSc, PhD, FFPH*

*Professor*

*Regional Director London, Office of Health Improvement and Disparities*

*Department of Health and Social Care*

*Regional Director for Public Health, NHS London*

*Statutory Health Advisor to the Mayor of London, GLA and London Assembly*

Thursday, March 17, 2022

1:00 p.m.-1:45 p.m. EDT

**Jarvik-Russell New Investigator Plenary and Recipient of the 2022 Jarvik-Russell Award**

**Smoke and Mirrors: Uncovering the Public Health Impact of E-Cigarettes**

*Jessica Barrington-Trimis, PhD*

*Assistant Professor of Population and Public Health Sciences*

*Keck School of Medicine*

*University of Southern California*



Thursday, March 17, 2022

1:45 p.m.-2:45 p.m. EDT

**Pre-Clinical Theme Lecture**

**Understanding the Brain Systems that Promote Nicotine Use in Vulnerable Populations**

*Laura E. O'Dell, PhD*

*Professor of Behavioral Neuroscience*

*Associate Vice President for Research*

*Department of Psychology*

*University of Texas, El Paso*

Friday, March 18, 2022

9:45 a.m.-10:45 a.m. EDT

**Public Health Theme Lecture and Recipient of the 2022 John Slade Award**

**Monitoring the Evolving Tobacco/Nicotine Marketplace: Lessons Learned and Future Priorities to Reduce Tobacco-caused Morbidity and Mortality**

*Cristine Delnevo, PhD, MPH, FAAHB*

*Director, Rutgers Center for Tobacco Studies*

*Professor, Department of Health Behavior, Society & Policy, Rutgers School of Public Health*

*Senior Advisor, Tobacco Control Rutgers Cancer Institute of New Jersey*

Also not to be missed:

- The Opening Reception on Tuesday, March 15, from 5:00 p.m.-6:30 p.m. EDT, which will include hors d'oeuvres. All attendees are welcome!
- The Awards Ceremony on Wednesday, March 16, 1:00 p.m.-1:30 p.m. EDT, with special recognition of Ferno Award Winner, Dr. Kenneth Perkins; John Slade Award Winner, Dr. Cristine Delnevo; and Jarvik-Russell Award Winner, Dr. Jessica Barrington-Trimis.
- A live taping of the popular podcast, Addy Hour featuring Nii A. Addy, PhD (Yale School of Medicine, New Haven, CT), and special guest speakers on Wednesday, March 16, 6:00 p.m.-7:00 p.m. EDT

For meeting attendees arriving early, there is a special Pre-Conference Workshop, "It's All About the Science: How Do We Do It Thoughtfully in a Changing Environment". This Workshop is complimentary and available in-person to all paid 2022 meeting attendees. Don't miss this valuable workshop that will be held on Tuesday, March 15, from 8:30 a.m.-12:00 Noon EDT.

Despite uncertainty arising from the ongoing effects of the pandemic, SRNT received more than 1,000 abstract submissions. Over the past year, we have worked to create a timely and high-quality scientific program spanning the full breadth of the nicotine and tobacco research field.



We encourage you to attend sessions that offer insights beyond your expertise, to come together with new and old colleagues and friends to establish new ways of working in the changing scientific, regulatory, and social landscape of 2022 and, importantly, we hope that you enjoy the meeting and the exciting city of Baltimore!

Kind Regards,  
**Jamie Brown, PhD, CPsychol**  
*Program Chair*

**Christie D. Fowler, PhD;**  
**Grace Kong, PhD;**  
**Jennifer Pearson, PhD, MPH;**  
and  
**Sabrina L. Smiley, PhD**  
*Program Co-Chairs*



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**SRNT would like to thank the Program Committee members and abstract reviewers for the effort and expertise they contributed to the 2022 SRNT Annual Meeting.**



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<b>2011-2012</b>	Robert West, PhD	Megan Piper, PhD, Chair Joanna Cohen, PhD, Co-Chair Kelly Cosgrove, PhD, Co-Chair
<b>2012-2013</b>	Gary Swan, PhD	Joanna Cohen, PhD, Chair Cristiano Chiamulera, PharmD, Co-Chair Sean P. David, MD, SM, DPhil, Co-Chair
<b>2013-2014</b>	Anne Joseph, MD, MPH	Sean P. David, MD, SM, DPhil, Chair Angela Attwood, PhD, Co-Chair Judith Prochaska, PhD, MPH, Co-Chair
<b>2014-2015</b>	Thomas Gould, PhD	Judith Prochaska, PhD, MPH, Chair Maciej L. Goniewicz, PhD, PharmD, Co-Chair Natalie Walker, PhD, Co-Chair
<b>2015-2016</b>	Robin Mermelstein, PhD	Natalie Walker, PhD, Chair Maciej L. Goniewicz, PhD, PharmD, Co-Chair Rachel Grana, PhD, MPH, Co-Chair
<b>2016-2017</b>	Deborah Ossip, PhD	Maciej L. Goniewicz, PhD, PharmD, Chair Rachel Grana, PhD, MPH, Co-Chair Daniel Kotz, PhD, Msc, MPH, Co-Chair
<b>2017-2018</b>	Judith Prochaska, PhD, MPH	Rachel Grana Mayne, PhD, MPH, Chair Lisa Fucito, PhD, Co-Chair Gideon St.Helen, PhD, Co-Chair
<b>2018-2019</b>	Marina Picciotto, PhD	Lisa Fucito, PhD, Chair Gideon St.Helen, PhD, Co-Chair Andrea Villanti, PhD, MPH, Co-Chair
<b>2019-2020</b>	Suzanne Colby, PhD	Andrea Villaniti, PhD, MPH, Chair Jamie Brown, PhD, Co-Chair Erin McClure, PhD, Co-Chair Gideon St.Helen, PhD, Co-Chair
<b>2020-2021</b>	Suchitra Krishnan-Sarin, PhD	Erin McClure, PhD, Chair Jamie Brown, PhD, CPsychol, Co-Chair Christie Fowler, PhD, Co-Chair Jennifer Pearson, MPH, PhD, Co-Chair
<b>2021-2022</b>	Megan Piper, PhD	Jamie Brown, PhD, CPsychol, Chair Christie D. Fowler, PhD, Co-Chair Grace Kong, PhD, Co-Chair Jennifer Pearson, PhD, MPH, Co-Chair Sabrina L. Smiley, PhD, Co-Chair





## EDUCATIONAL OBJECTIVES

- Address nicotine's and tobacco's role in the changing health care environment.
- Describe new basic science and clinical research data on the effects of nicotine and tobacco.
- Discuss recent advances across all levels of nicotine and tobacco research, including tobacco regulatory science.
- Highlight international research on tobacco control.
- Integrate current research with implications for clinical practice through scientific exchange.
- Address clinical, public health, and health equity implications of concurrent use of tobacco with other psychoactive substances and drugs.
- Highlight novel approaches to advance health equity in nicotine and tobacco research.

## REGISTRATION

Conference registration, open daily, will be located in the area known as “**SRNT CENTRAL**” on the Second Floor South Foyer outside of the Key Ballroom of the Baltimore Hilton Hotel during the Annual Meeting. Hours for the SRNT registration desk during the conference are as follows:

Monday, March 14 .....	4:30 p.m.-6:30 p.m.
Tuesday, March 15 .....	7:00 a.m.-7:00 p.m.
Wednesday, March 16 .....	7:00 a.m.-5:30 p.m.
Thursday, March 17 .....	7:15 a.m.-5:00 p.m.
Friday, March 18 .....	7:30 a.m.-12:30 p.m.

## TARGET AUDIENCE

The 28<sup>th</sup> Annual Meeting of SRNT is geared toward individuals involved in the research of nicotine and tobacco. This includes basic, clinical, policy, public health, and health equity 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 and SRNT will not provide CME for these symposia. Satellite Symposia presenters are responsible for providing disclosures during their session.



## POSTER SESSION SETUP SCHEDULE

Poster sessions have specific times designated for the authors to be present to discuss their posters with attendees in the Baltimore Hilton Hotel meeting space: **Key Ballroom 7-12 (Main Building, 2<sup>nd</sup> 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:**

### **Wednesday, March 16**

#### ***Poster Session 1***

9:30 a.m. - 10:30 a.m. .... Presenters set up poster  
**11:30 a.m. - 1:00 p.m. .... Poster Session 1 (Presenters available at their poster)**  
1:00 p.m. - 1:30 p.m. .... Presenters remove their poster

#### ***Poster Session 2***

2:30 p.m. - 3:30 p.m. .... Presenters set up poster  
**4:30 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

### **Thursday, March 17**

#### ***Poster Session 3***

10:00 a.m. - 11:00 a.m. .... Presenters set up poster  
**11:30 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***

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

*\*This session is designated for On-Demand Papers (Pre-recorded Paper "Plus") presenters who are given the option to discuss their research with peers at a live Q&A during Poster Session 4. If the presenter is not present during this session, please refer to the list of abstracts starting on page 80 of this program, refer to SRNT Central Online, or check out the SRNT 2022 abstract PDF.*



**Friday, March 18**

***Poster Session 5***

9:30 a.m. - 11:00 a.m. .... Presenters set up poster  
**12:30 p.m. - 2:00 p.m. .... Poster Session 5 (*Presenters available at their poster*)**  
2:00 p.m. - 2:30 p.m. .... Presenters remove their poster



## 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 2022 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 note these important times to stop by at least 12-24 hours prior to your scheduled session.

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:

Monday, March 14 .....	4:30 p.m.-6:30 p.m.
Tuesday, March 15 .....	7:00 a.m.-7:00 p.m.
Wednesday, March 16 .....	7:00 a.m.-5:30 p.m.
Thursday, March 17 .....	7:30 a.m.-5:30 p.m.
Friday, March 18 .....	7:00 a.m.-11:00 a.m.

**Once again, it is mandatory for all speakers to stop by the Speaker Ready Room on site!**

<b>If Your Presentation Date/Time is...</b>	<b>Then Your Time to Load Your Presentation is...</b>
Wednesday, March 16 between 8:00 a.m.-12:00 noon	Report to the Speaker Ready Room either Monday, March 14, or Tuesday, March 15, during open hours noted above. (Please do not report the same day as your scheduled presentation.)
Wednesday, March 16 between 1:00 p.m.-5:00 p.m.	Report to the Speaker Ready Room 24-hours prior to your scheduled presentation, but no later than 10:30 a.m. on Wednesday, March 16.
Thursday, March 17 between 8:00 a.m.-12:00 noon	Report to the Speaker Ready Room 24-48 hours prior to your scheduled presentation, but no later than 3:00 p.m. on Wednesday, March 16. (Please do not report the same day as your scheduled presentation.)
Thursday, March 17 between 1:00 p.m.-5:00 p.m.	Report to the Speaker Ready Room 24-48 hours prior to your scheduled presentation, but no later than 10:30 a.m. on Thursday, March 17.
Friday, March 18 between 8:00 a.m.-2:00 p.m.	Report to the Speaker Ready Room 24-48 hours prior to your scheduled presentation, but no later than 3:00 p.m. on Thursday, March 17. (Please do not report the same day as your scheduled presentation.)



## 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.***

## LUNCHES

SRNT will provide boxed lunches to all paid attendees on Wednesday, March 16, and Thursday, March 17 (see below). ***Bring your badge with you, as it will serve as your ticket for lunch.***

### **Wednesday, March 16, 2022**

Boxed lunches will be distributed in the **Holiday Ballroom 6 (East Building, Second Floor)** meeting space from 11:30 a.m. to 12:30 p.m. Plan to attend Poster Session 1 while eating your boxed lunch!

### **Thursday, March 17, 2022**

Boxed lunches will be distributed in the **Holiday Ballroom 6 (East Building, Second Floor)** meeting space from 11:30 a.m. to 12:30 p.m. Plan to attend Poster Session 3 while eating your boxed lunch!



## CONTINUING EDUCATION CREDIT

### **Accreditation Statement**

In support of improving patient care, this activity has been planned and implemented by Amedco LLC and The Society for Research on Nicotine and Tobacco. Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare.

### **Physicians (ACCME) Credit Designation**

Amedco LLC designates this live activity for a maximum of 18.75 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### **Psychologists (APA) Credit Designation**

Amedco LLC designates this activity for a maximum of 18.75 Psychologist contact hours.

**The following state boards accept courses from APA providers for Counselors:** AK, AL, AR, AZ, CA, CO, CT, DC, DE, FL, GA, HI, IA, ID, IL, IN, KS, KY, MD, ME, MO, NC, ND, NH, NE, NJ, NM, NV, OK, OR, PA, RI, SC, SD, TN, TX, UT, VA, WA, WI, WY

**MI:** No CE requirements

**The following state boards accept courses from APA providers for MFTs:** AK, AR, AZ, CA, CO, CT, DE, FL, GA, IA, ID, IN, KS, MD, ME, MO, NE, NC, NH, NJ, NM, NV, OK, OR, PA, RI, SC, SD, TN, TX, UT, VA, WA, WI, WY

**MI:** No CE requirement

**The following state boards accept courses from APA providers for Addictions**

**Professionals:** AK, AR, CO, CT, DC, DE, GA, IA, IN, KS, LA, MD, MO, MT, NC, ND, NE, NJ, NM, NY (outstate held)\*, OK, OR, SC, UT, WA, WI, WY

**MA / MFTs:** Participants can self-submit courses not approved by the MAMFT board for review.

**The following state boards accept courses from APA providers for Social Workers:** AK, AR, AZ, CA, CO, DE, FL, GA, ID, IN, KY, ME, MN, MO, NE, NH, NM, OR, PA, VT, WI, WY

\* If the activity is held live in the state of NY, then direct addictions board is required, ie: NAADAC. If the activity is held outside NY, is virtual, enduring or remote, it is considered "outstate" and this reciprocity applies.

### **To Receive Credit:**

After the Annual Meeting, a link to the program evaluation will be emailed to those who paid the fee for continuing education. After the evaluation is completed, a certificate will be available for printing or downloading. Be sure to keep the document or download it to a secure place for future reference.



## SRNT BOARD OF DIRECTORS

### **President, 2021-2022**

Megan Piper, PhD

### **President-Elect, 2021-2022**

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Bruce Wheeler

### **Journal Editor**

Marcus Munafò, PhD

### **Dean, SRNT University**

Natalie Walker, PhD

## COMMITTEE CHAIRS

### **Awards Committee**

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Suzanne Colby, PhD

### **Policy Action Committee (NicPAC)**

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### **Program Committee**

Jamie Brown, PhD, CPsychol

### **Publications Committee**

Adam Leventhal, PhD



## FUTURE SRNT MEETINGS

SRNT 29<sup>th</sup> Annual Meeting  
March 1-4, 2023  
Marriott Rivercenter Hotel, San Antonio, Texas

SRNT 30<sup>th</sup> Annual Meeting  
March 20-23, 2024  
Edinburgh International Conference Centre, Edinburgh, Scotland

## REMEMBRANCES OF PIONEERS FOR WHOM SRNT'S 2022 AWARDS ARE NAMED

Don't miss the SRNT 2022 Awards Ceremony on Wednesday, March 16, 1:00 p.m. - 2:30 p.m. EDT in the **Key Ballroom 1-6 (Main Building, Second Floor)**. The awards are named after pioneers in the field of nicotine and tobacco research, and we are pleased to remember those pioneers.

Congratulations to the distinguished award recipients below.

### THE FERNO AWARD

The Ferno Award honors scientists who have made groundbreaking advances clinical research in three (3) areas: (1) the pharmacological and behavioral actions of nicotine; (2) increased understanding on why people use tobacco; or (3) interventions to prevent tobacco use, to encourage or help tobacco users stop, and/or to reduce the adverse effects of tobacco use.

*2022 Award Recipient:*

#### **Ken Perkins, PhD**

Professor of Psychiatry, Psychology, and Epidemiology  
University of Pittsburgh

Wednesday, March 16, 2022

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

Clinical Theme Lecture

CrEATE: A Procedure to Efficiently Detect Efficacy in Novel Treatments for Cessation

### **OVE FERNÖ**

Ove Fernö was the inventor of nicotine replacement (NR). He was born in Gothenburg in 1916 and was trained as an organic chemist at the University of Lund, Lund, Sweden. During the late 1960s and 70s he was responsible for the development of the first NR product—a chewing gum. Tens of millions of smokers have used nicotine gum to aid their cessation attempts. In the United States, Dr. Murray Jarvik and Dr. Nina Schneider were the first to experiment with the gum; they became great ambassadors and conducted many important studies. The nicotine gum was first presented at the





World Conference on Smoking and Health in New York in 1975. Today, NR is marketed in some 70 countries. Ove Fernö's thinking and foresight, and perhaps personal circumstances, made him a decisive driver in the development of Nicotine Replacement. His work has helped countless smokers to break the dependence. But he was also a great man to spend an evening with, usually over a glass of beer, to speculate about the future of NT and other matters of importance, very often philosophy.

### **THE JARVIK-RUSSELL NEW INVESTIGATOR AWARD**

The Jarvik-Russell New 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.

*2022 Award Recipient:*

**Jessica Barrington-Trimis, PhD**

2022 Jarvik-Russell New Investigator Awardee

Assistant Professor of Population and Public Health Sciences

Keck School of Medicine

University of Southern California

Jarvik-Russell New Investigator Plenary

Thursday, March 17, 2022

1:00 p.m. - 1:45 p.m. EDT

Smoke and Mirrors: Uncovering the Public Health Impact of E-Cigarettes

### **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-1950s 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 1980s 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 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.

*2022 Award Recipient:*

### **Christine Delnevo, PhD**

Director, Rutgers Center for Tobacco Studies

Professor, Department of Health Behavior, Society & Policy, Rutgers School of Public Health

Senior Advisor, Tobacco Control Rutgers Cancer Institute of New Jersey

Friday, March 18, 2022

9:45 a.m. - 10:45 a.m. EDT

Public Health Theme Lecture

Monitoring the Evolving Tobacco/Nicotine Marketplace: Lessons Learned and Future Priorities to Reduce Tobacco-Caused Morbidity and Mortality

## **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).



## **2022 NEW INVESTIGATOR AWARD WINNERS FOR BEST ABSTRACT**

Congratulations to the five award recipients below.

**Francisco Cartujano-Barrera MD, PhD(c)**

Assistant Professor

University of Rochester Medical Center

Wednesday, March 16, 2022

10:00 a.m. - 11:30 a.m. EDT

PODIUM 2: Developing Graphic Messages for Vaping Prevention among Black and Latino Adolescents

**Anupreet K. Sidhu, PhD, MA**

Postdoctoral Researcher

Tobacco Center of Regulatory Science

Perelman School of Medicine

University of Pennsylvania, PA

Wednesday, March 16, 2022

10:00 a.m. - 11:30 a.m. EDT

PODIUM 2: Cognitive Responses to Pictorial Warning Labels and Their Association with Quitting Measures After Continued Exposure

**Alexis Monical, MD, PhD(c)**

University of Chicago

MSTP Department

Biological Sciences Department

Neurobiology Department

Wednesday, March 16, 2022

10:00 a.m. - 11:30 a.m. EDT

PODIUM 3: Negative Somatic and Affective Nicotine Withdrawal Behavior are Mediated through the Laterodorsal Tegmental Nucleus

**Lizeth Cruz-Jiménez, MSc, PhD**

Researcher at Evaluation and Surveys Research Center (CIEE)

National Institute of Public Health-Mexico (INSP) Mexico

Thursday, March 17, 2022

3:15 p.m. - 4:45 p.m. EDT

PODIUM 11: Heated Tobacco Product Use Over Time, Its Correlates, and Reasons for Use Among Mexican Smokers and Vapers



**Min-Jeong Yang, PhD**

Applied Post Doctoral Fellow

Moffit Cancer Center, Health Outcomes and Behavior

Tobacco Research and Intervention Program

Friday, March 18

8:00 a.m. - 9:30 a.m. EDT

PODIUM 13: Testing Augmented Reality for Extinction of Cue-Provoked Urges to Smoke: Initial Evidence from a Controlled Experiment

**SRNT 2022 REGISTRATION SCHOLARSHIP AWARD WINNERS**

Lois Akinola, USA  
Emma Bondy, USA  
Diana Carreno, USA  
Zongshuan Duan, USA  
Katherine East, United Kingdom  
Daniela Gutiérrez-Torres, USA  
Victoria Lambert, USA  
Amanuel Mersha, Australia

Amanda Palmer, USA  
Lilianna Phan, USA  
Vira Pravosud, USA  
Brandon Sanford, USA  
Matthew Stone, USA  
Edward Sutanto, Indonesia  
Bukola Usidame, USA

**SRNT SUPPORTERS**

SRNT 2022 is supported by conference registrations and external financial support, including conference sponsors, **DLH Corp** and the **FDA Center for Tobacco Products**. SRNT 2022 is further supported by competitive educational grants from **Pfizer, Inc.**, and the **U.S. Food and Drug Administration**. The Food and Drug Administration (FDA) of the U.S. Department of Health and Human Services (HHS) has provided a financial assistance award [FAIN] totaling \$50,000, which equals approximately 46% of external funding; the remaining \$55,000, or 54% of external funding comes from non-government source(s). The views and positions are those of the presenting author(s) do not necessarily represent the official views of, nor an endorsement, by FDA/HHS, or the U.S. Government, or any non-government funder.

SRNT would like to thank its supporters for their help in furthering SRNT's mission to *stimulate the generation and dissemination of new knowledge concerning nicotine in all its manifestations, from cellular to societal*.

**SRNT 2022 POST-CONFERENCE VIRTUAL WORKSHOPS**

Don't forget that along with the in-person SRNT 2022 Annual Meeting, the Program Committee has committed to scheduling five (5) virtual workshops that will be held separately after the in-person meeting. This is due, in large part, to the reduced space availability at the host hotel. All Post-Conference Virtual Workshops are three (3) hours and will be held virtually.

Please note that CME credit will not offered for the Post-Conference Virtual Workshops.



**Workshops include:**

**Post-Conference Virtual Workshop 1**

Date: Tuesday, March 29th at 11:00 a.m. - 2:00 p.m. EDT

Bridging Epidemiology and Prevention to Address Adolescent and Young Adult Tobacco Use

**Post-Conference Virtual Workshop 2**

Date: Thursday, March 31st at 11:00 a.m. - 2:00 p.m. EDT

Integrating Social Determinants of Health and Structural Discrimination in Nicotine and Tobacco Research: Considerations for How to Conduct, Discuss, and Publish this Type of Research

**Post-Conference Virtual Workshop 3**

Date: Thursday, April 7th at 11:00 a.m. - 2:00 p.m. EDT

Global Nicotine and Tobacco Research in the Era of COVID-19

**Post-Conference Virtual Workshop 4**

Date: Tuesday, April 12th at 11:00 a.m. - 2:00 p.m. EDT

Practice: Acceptance and Commitment Therapy for Managing Cravings and Addictive Behaviors

**Post-Conference Virtual Workshop 5**

Date: Thursday, April 14th at 11:00 a.m. - 2:00 p.m. EDT

Non-Combustible Tobacco Products Characterization: Potential Exposure

Detailed information such as presenters and abstracts can be found here:

[https://www.srnt.org/page/2022\\_Post\\_Con](https://www.srnt.org/page/2022_Post_Con)

Download a PDF copy of the Post-Conference Workshop registration form here:

[https://cdn.ymaws.com/www.srnt.org/resource/resmgr/conferences/2022\\_annual\\_meeting/docs/SRNT\\_2022\\_Registration\\_Form\\_.pdf](https://cdn.ymaws.com/www.srnt.org/resource/resmgr/conferences/2022_annual_meeting/docs/SRNT_2022_Registration_Form_.pdf)

Note: Attendees may attend more than one workshop as they all take place on different dates. Attendees interested in attending more than one workshop will receive 50% off each additional workshop after the first Post-Conference Virtual Workshop is paid at full-price.

You will have the option to choose any number of workshops you would like to attend during the Annual Meeting registration process or register closer to the virtual workshop event date. To register online, go here: <https://www.srnt.org/event/2022Baltimore>

Any questions, please contact the SRNT National Office via email at: [info@srnt.org](mailto:info@srnt.org).

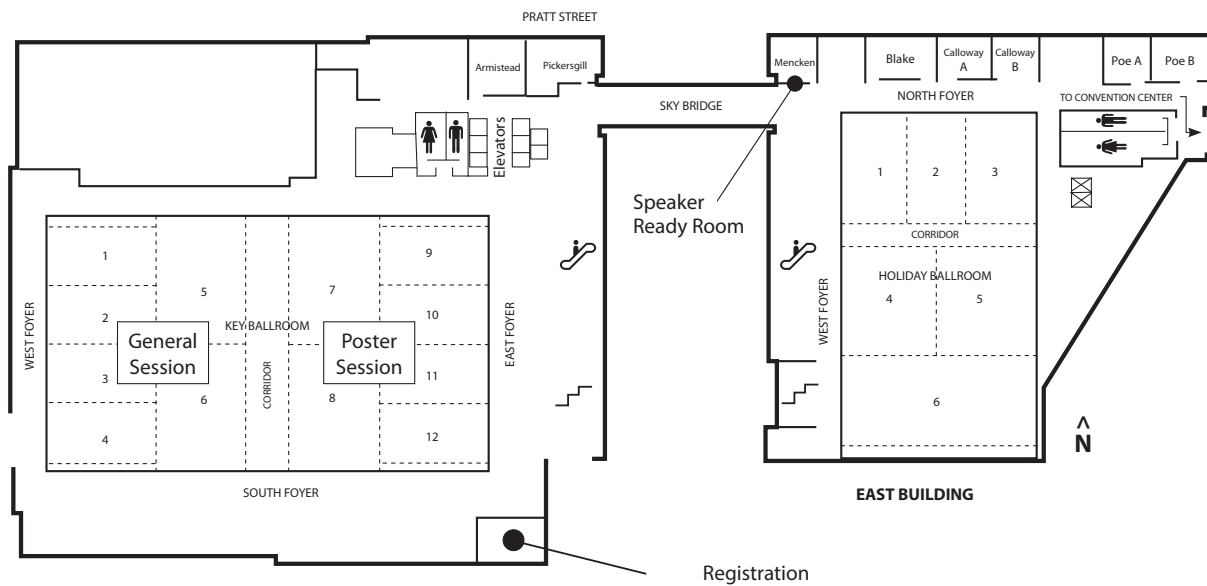
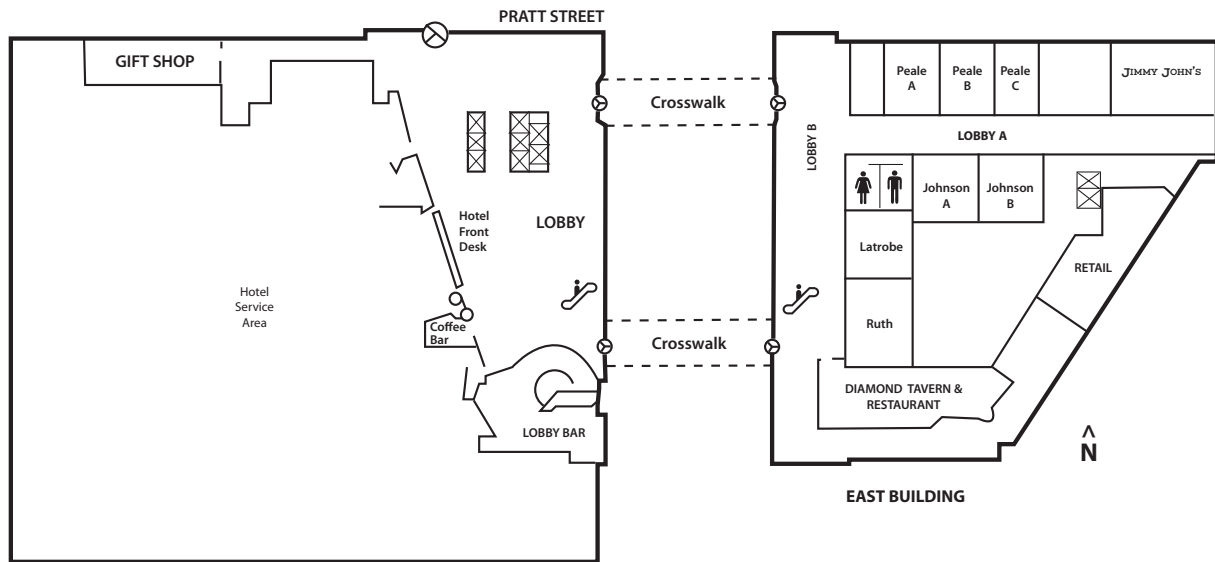
**ANNUAL MEETING EVALUATION**

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!



## MEETING ROOM FLOOR PLANS

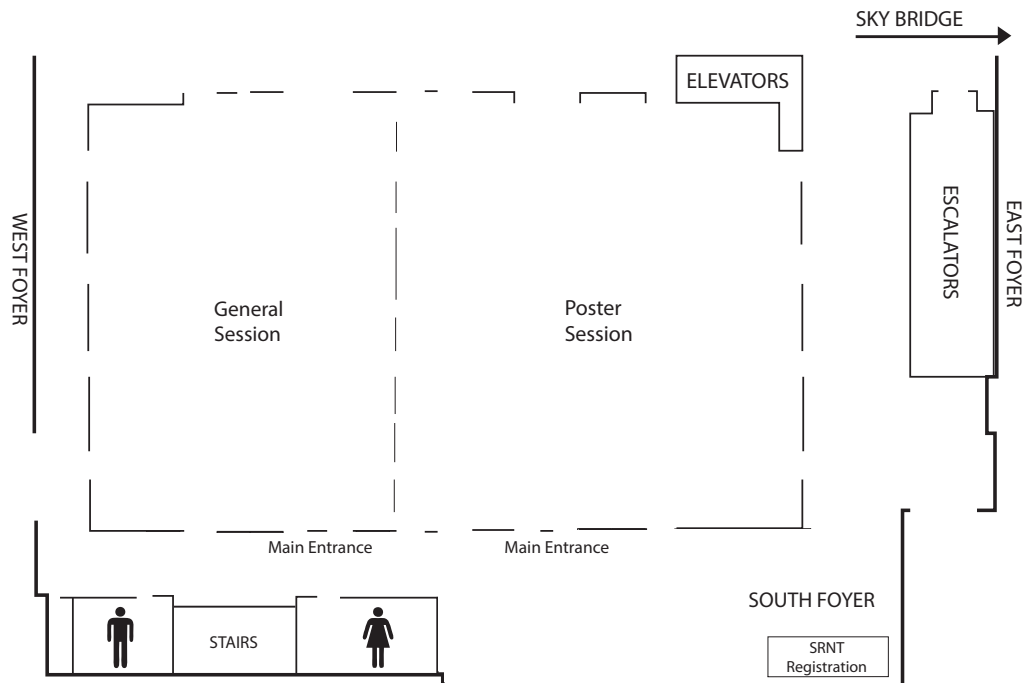
### First Floor • Hilton Baltimore Hotel



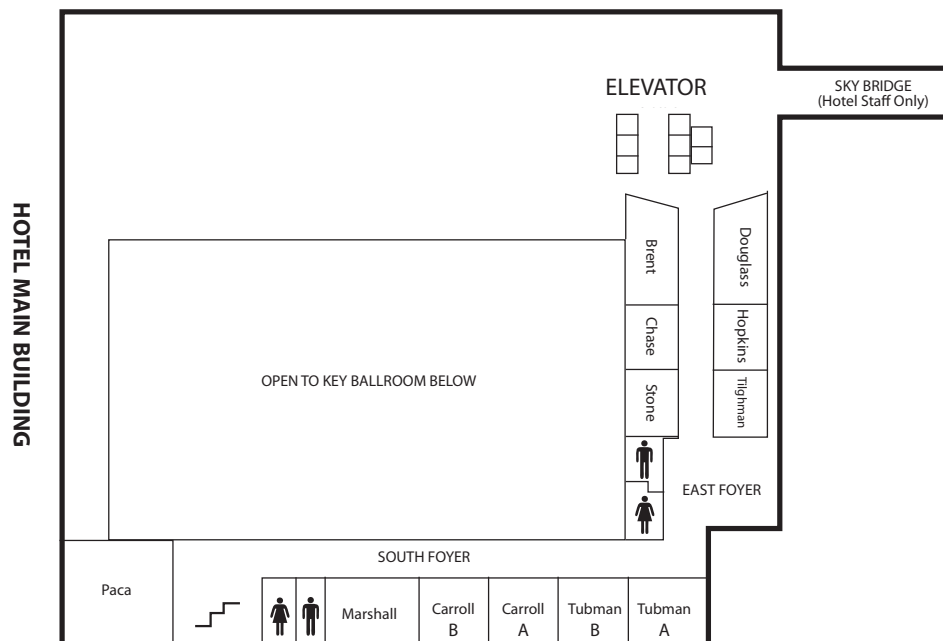


## MEETING ROOM FLOOR PLANS

### Key Ballroom • Second Floor • Hilton Baltimore Hotel



### Third Floor • Hilton Baltimore Hotel







**SESSION SUMMARIES  
TUESDAY  
MARCH 15, 2022**



## MONDAY, MARCH 14, 2022

(Note: All presentation times are in Eastern Daylight Time [EDT].)

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**

## TUESDAY, MARCH 15, 2022 PRE-CONFERENCE

(Note: All presentation times are in Eastern Daylight Time [EDT].)

7:00 a.m. - 7:00 p.m.

SRNT Central - Key Ballroom Foyer (Main Building, Second Floor)

**SRNT Registration**

7:00 a.m. - 7:00 p.m.

Mencken (East Building, Second Floor)

**Speaker Ready Room**

8:30 a.m. - 12:00 Noon

Key Ballroom 1-6 (Main Building, Second Floor)

**Pre-Conference Workshop:**

**It's All About the Science: How Do We Do It Thoughtfully in a Changing Environment?**

**Session Chair:** Megan Piper, PhD

This timely and important workshop will allow participants to stop and think about complex issues as well as how best to communicate with others so that we can work together to enhance tobacco science and public health, while creating critical space to engage in healthy debate. Participants will be actively involved throughout the morning with surveys and discussions.



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

**Introduction**

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

**History of Conflicts in Tobacco Science**

9:00 a.m. - 9:30 a.m.

**Advancing Science in the Face of Discord**

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

**Discussant**

9:45 a.m. - 10:30 a.m.

**Panel Discussion 1: The Complexities of E-cigarettes and Other Novel Tobacco Products**

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

Key Ballroom Foyer (Main Building, Second Floor)

**Pre-Conference Workshop Refreshment Break**

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

**Discussant**

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

**Panel Discussion 2: The Challenges of Research Funding**

11:45 a.m. - 12:00 Noon

**General Discussion**

12:00 Noon - 1:30 p.m.

**Lunch Break (on your own)**



1:30 p.m. - 3:00 p.m.

Key Ballroom 1-6 (Main Building, Second Floor)

**Pre-Conference: UPDATES ON THE FDA CENTER FOR TOBACCO PRODUCTS**

**Session Chairs:** Mitch Zeller, JD; Megan Piper, PhD

**Presenters:** Mitch Zeller, JD, Director of the FDA Center for Tobacco Products; Benjamin Apelberg, PhD, MHS, Deputy Director for Regulatory Science in the Office of Science at the FDA Center for Tobacco Products; Kathleen Crosby, BA, Director of the Office of Health Communications and Education at the FDA Center for Tobacco Products

During this session, leaders from the FDA Center for Tobacco Products (CTP) will discuss updates on a wide range of programmatic areas including tobacco product regulations, compliance and enforcement activities, tobacco regulatory research, product review and public education. CTP Director Mitch Zeller will discuss recent and upcoming regulatory actions, CTP's progress on the review of premarket tobacco product applications, and regulatory issues raised by the reports of increased use of synthetic nicotine. Dr. Ben Apelberg, Deputy Director for Regulatory Science in CTP's Office of Science, will provide further details on the scientific review and decisions associated with premarket tobacco product applications, as well as discuss the latest in tobacco regulatory science and current funding opportunities. Kathy Crosby, Director of CTP's Office of Health Communication and Education, will provide updates on CTP's public education campaigns, including a new effort to reach American Indian and Alaska Native youth audiences and how existing campaigns have shifted risk perceptions of vapes among teens.



**TUESDAY, MARCH 15, 2022  
ANNUAL CONFERENCE**

Tuesday

3:30 p.m. - 5:00 p.m.

Key Ballroom 1-6 (Main Building, Second Floor)

**Opening Plenary Session**

**Presidential Symposium & SRNT 2022 President's Award Theme Lecture:  
Imagination and Vision: Freedom from Non-Conformity and Reflections on the  
Possibilities**

**Session Chairs:** Megan Piper, PhD, SRNT President 2021-2022; University of Wisconsin, Madison, WI, USA; Mignonne C. Guy, PhD, Virginia Commonwealth University, Richmond, VA, USA

**Presenter:** Pebbles Fagan, PhD, MPH, SRNT 2022 President's Award Recipient, Professor, Director, Center for the Study of Tobacco, Department of Health Behavior and Health Education, Fay W. Boozman College of Public Health, Director of Research, Office of Health Initiatives and Disparities Research, Department of Surgery, College of Medicine and Winthrop P. Rockefeller Cancer Institute, University of Arkansas for Medical Sciences

This year's Presidential Symposium will feature the 2022 SRNT Presidential Award Winner, Dr. Pebbles Fagan. Following an introduction by Dr. Mignonne Guy, Dr. Fagan will share her presentation – Imagination and Vision: Freedom from Non-Conformity and Reflections on the Possibilities. In addition to celebrating Dr. Fagan's contributions to the field of nicotine and tobacco science, we will also be celebrating the accomplishments of SRNT over the past year, including the completion of the Racial Equity Task Force's work and their final recommendations to the SRNT Board.

5:00 p.m. - 6:30 p.m.

Holiday Ballroom 6 (East Building, Second Floor)

**Opening Welcome Reception**



**SESSION SUMMARIES  
WEDNESDAY  
MARCH 16, 2022**



**WEDNESDAY, MARCH 16, 2022**

(Note: All presentation times are in Eastern Daylight Time [EDT].)

7:00 a.m. - 5:30 p.m.

SRNT Central - Key Ballroom Foyer (Main Building, Second Floor)

**SRNT Registration**

7:00 a.m. - 5:30 p.m.

Mencken (East Building, Second Floor)

**Speaker Ready Room**

7:30 a.m. - 8:15 a.m.

Peale A (East Building, First Floor)

**Health Disparities Network “Meet Up” for Coffee**

7:30 a.m. - 8:15 a.m.

Johnson A (East Building, First Floor)

**Adolescent Network “Meet Up” for Coffee**

7:30 a.m. - 8:15 a.m.

Johnson B (East Building, First Floor)

**Global Research Network “Meet Up” for Coffee**

7:30 a.m. - 8:15 a.m.

Peale B (East Building, First Floor)

**Basic Science Network “Meet Up” for Coffee**

7:30 a.m. - 8:15 a.m.

Peale C (East Building, First Floor)

**Policy Network “Meet Up” for Coffee**

Wednesday



8:30 a.m. - 9:30 a.m.

Key Ballroom 1-6 (Main Building, Second Floor)

**Health Equity Theme Lecture: Authentic Equity in Tobacco Disparities Research**

**Session Chair:** Pebbles Fagan, PhD, MPH

**Presenter:** Linda A. Alexander, EdD, Senior Associate Dean of Academic, Student, and Faculty Affairs, Professor Social and Behavioral Sciences, Chair, School of Public Health Diversity & Inclusion Task Force, West Virginia University School of Public Health

9:30 a.m. - 10:00 a.m.

Holiday Ballroom 6 (East Building, Second Floor)

**Refreshment Break**

10:00 a.m. - 11:30 a.m.

Holiday Ballroom 2 (East Building, Second Floor)

**Podium Presentation 1: Paper Session 1 (POD 1)**

**ENGAGING IN SYSTEMS SCIENCE TO REDUCE TOBACCO-RELATED HEALTH DISPARITIES AND PROMOTE EQUITY**

*Chair: Andrea Titus*

*Audience: HE, PH, C, P*

POD1-1: REDUCING RURAL TOBACCO DISPARITY: A LOW BURDEN POINT OF CARE MODEL  
*Li-Shiun Chen\*, Justin Yu, Nina Smock, Giang Pham, Jingling Chen, Alex Ramsey, Patricia Cavazos-Rehg, Aimee James*

POD1-2: RECIPROCAL BENEFITS OF LUNG CANCER SCREENING AND TOBACCO TREATMENT ON UPTAKE AND EQUITY OF PRIMARY AND SECONDARY PREVENTION  
*Alex Ramsey\*, Christine Doroshenko, David Gierada, Ruben Nava, Anne Stilinovic, Foluso Ademuyiwa, Li-Shiun Chen, Laura Bierut*

POD1-3: EVALUATING THE EFFICIENCY OF TOBACCO TREATMENT PROGRAMS IN THE CANCER MOONSHOT CANCER CENTER CESSATION INITIATIVE: DATA ENVELOPMENT ANALYSIS

*Ramzi Salloum\*, Sarah Hohl, Margaret Nolan, Heather D'Angelo, Yasmin Asvat, Li-Shiun Chen, Andrew Day, Adam Goldstein, Brian Hitsman, Deborah Hudson, Andrea King, Cho Lam, Katie Lenhoff, Arnold Levinson, Cary Presant, Judith Prochaska, Kimberly Shoenbill, Kathryn Taylor, Hilary Tindle, Elisa Tong, Justin White, Graham Warren, Michael Fiore, Betsy Rolland*





POD1-4: PROJECT SUN A CULTURALLY ADAPTED SMOKING CESSATION CURRICULUM FOR AMERICAN INDIAN YOUTH

*Claradina Soto\*, Guadalupe Ramos*

POD1-5: CAN INPATIENT PHARMACISTS MOVE THE NEEDLE ON SMOKING CESSATION? EVALUATING REACH AND REPRESENTATIVENESS OF A PHARMACIST-LED OPT-OUT SMOKING CESSATION INTERVENTION PROTOCOL FOR HOSPITAL SETTINGS

*Paul Creswell, Danielle McCarthy\*, Philip Trapskin, Ann Sheehy, Amy Skora, Rob Adsit, Mark Zehner, Timothy Baker, Michael Fiore*

POD1-6: SUSTAINING INPATIENT TOBACCO TREATMENT MEASURES OUTCOMES DURING COVID-19 VIA EVIDENCE-BASED TREATMENTS, ELECTRONIC HEALTH RECORD SOLUTIONS, AND HIGH RELIABILITY ORGANIZATION PRINCIPLES

*Dawn Johnson\*, Justin Iannello*

10:00 a.m. - 11:30 a.m.

Holiday Ballroom 4 (East Building, Second Floor)

**Podium Presentation 1: Symposium 1 (SYM 1)**

## **DECOLONIZING TOBACCO: WHAT THAT MEANS IN NICOTINE AND COMMERCIAL TOBACCO RESEARCH**

*Chair: Hershel Clark\**

*Audience: HE, P*

SYM1-1: UNDERSTANDING TOBACCO

*Patricia Nez-Henderson\**

SYM1-2: INDIGENOUS WORLDVIEWS AND UNDERSTANDING OF TOBACCO AND HEALTH

*Raglan Maddox\**

SYM1-3: INDIGENOUS DATA SOVEREIGNTY

*Ray Lovett\**

SYM1-4: DECOLONIZING TOBACCO - WHERE TO FROM HERE?

*Michelle Bovill\*, Heather Gifford*



10:00 a.m. - 11:30 a.m.

Holiday Ballroom 1 (East Building, Second Floor)

**Podium Presentation 1: Paper Session 2 (POD 2)**

**RAPID FIRE: DEVELOPING AND EVALUATING RISK MESSAGES**

*Chair: Olivia Wackowski*

*Audience: PH, P*

POD2-1: DEVELOPING GRAPHIC MESSAGES FOR VAPING PREVENTION AMONG BLACK AND LATINO ADOLESCENTS

*Francisco Cartujano-Barrera\*, Chiamaka Azogini, Scott McIntosh, Deborah Ossip, Ana Paula Cupertino*

POD2-2: COGNITIVE RESPONSES TO PICTORIAL WARNING LABELS AND THEIR ASSOCIATION WITH QUITTING MEASURES AFTER CONTINUED EXPOSURE

*Anupreet Sidhu\*, Andrea Johnson, Valentina Souprountchouk, Olivia Wackowski, Andrew Strasser, Melissa Mercincavage*

POD2-3: EFFECTS OF WATERPIPE TOBACCO RISK MESSAGES AMONG YOUNG ADULT WATERPIPE SMOKERS AND SUSCEPTIBLE NONSMOKERS: RESULTS OF A RANDOMIZED CONTROLLED TRIAL

*Darren Mays\*, Elise Stevens, Glenn Leshner, Brittney Keller-Hamilton, Theodore Wagener, Abigail Shoben, Andrea Villanti*

POD2-4: THE ROLE OF AFFECTIVE REACTIVITY INDUCED BY CIGARETTE PACKAGING INCLUDING GRAPHIC WARNING LABELS

*Matthew Stone\*, David Strong, Claudiu Dimofte, Tingyi Yang, Samantha Hurst, Eric Leas, Kim Pulvers, John Pierce*

POD2-5: DEVELOPING TOBACCO PACK WARNING LABELS TO INFORM SMOKERS ABOUT THE MISLEADING EFFECTS OF FILTER VENTING

*Emily Brennan\*, Kimberley Dunstone, Amanda Vittiglia, Tamara Tabbakh, Sarah Durkin, Janet Hoek, James Thrasher, Dorothy Hatsukami, Jonathan Samet, Melanie Wakefield*

POD2-6: ON-PACK MESSAGING FOR ENDS PRODUCTS: A DISCRETE CHOICE STUDY

*Janet Hoek\*, Philip Gendall, Christine Eckert, Jordan Louviere*

POD2-7: EFFECT OF NICOTINE CORRECTIVE MESSAGING ON NICOTINE-RELATED BELIEFS IN U.S. ADULTS: A RANDOMIZED CONTROLLED TRIAL

*Andrea Villanti\*, Jeffrey Priest, Catherine Peasley-Miklus, Darren Mays, Eric Donny, Joseph Cappella, Andrew Strasser*

POD2-8: ADOLESCENT PERCEPTIONS OF VAPING PREVENTION MESSAGES: AN EXAMINATION OF PERCEIVED MESSAGE EFFECTIVENESS

*Marcella Boynton, PhD\*, Nora Sanzo, MPH, Whitney Brothers, Alex Kresovich, Erin Sutfin, PhD, Paschal Sheeran, PhD, Seth Noar, PhD*



10:00 a.m. - 11:30 a.m.

Holiday Ballroom 5 (East Building, Second Floor)

**Podium Presentation 1: Symposium 2 (SYM 2)**

**CESSATION INTERVENTIONS FOR ADDRESSING SMOKING DISPARITIES**

*Chair: Jonathan Bricker\**

*Audience: C, HE, P*

**SYM2-1: THE NEED TO ADDRESS INEQUALITIES: TIME FOR MORE TARGETED SMOKING CESSATION INTERVENTIONS**

*Natalie Walker\*, Billie Bonevski, Mohamed Hammoud, Garrett Prestage, Peter Saxton*

**SYM2-2: EFFICACY AND UTILIZATION OF AN ACCEPTANCE AND COMMITMENT THERAPY-BASED SMARTPHONE APPLICATION FOR SMOKING CESSATION AMONG BLACK ADULTS: ANALYSIS OF THE ICANQUIT RANDOMIZED TRIAL**

*Jonathan Bricker\*, Kristin Mull, Brianna Sullivan, Diana Kwon, Nicole Nollen, Michael Zvolensky*

**SYM2-3: EXTENDED SELF-HELP SMOKING CESSATION INTERVENTION FOR SPANISH-SPEAKING HISPANICS IN THE UNITED STATES, OUTCOMES OF A RANDOMIZED CONTROLLED TRIAL**

*Patricia Medina-Ramirez\*, Steven Sutton, Margaret Byrne, Ursula Martinez, Karen Brandon, Cathy Meade, Thomas Brandon, Vani Simmons*

**SYM2-4: SMALL FINANCIAL INCENTIVES PROMOTE SMOKING CESSATION AMONG SOCIO-ECONOMICALLY DISADVANTAGED ADULTS**

*Darla Kendzor\*, Summer Frank-Pearce, Joseph Waring, Michael Businelle, Jocelyn Barton, Sarah Ehlke, Laili Kharazi Boozary, Stefani Madison, Michael Swartz, Adam Alexander, David Wetter*

**SYM2-5: REDUCING SUSCEPTIBILITY TO SMOKELESS TOBACCO AMONG RURAL BOYS WITH FDA'S THE REAL COST SMOKELESS PUBLIC EDUCATION CAMPAIGN**

*Matthew Farrelly\*, Nathaniel Taylor, Alexandria Smith, James Nonnemaker, Jessica Pepper, Megan Wall*

10:00 a.m. - 11:30 a.m.

Holiday Ballroom 3 (East Building, Second Floor)

**Podium Presentation 1: Paper Session 3 (POD 3)**

**NEUROBIOLOGICAL MECHANISMS MEDIATING WITHDRAWAL AND CESSATION**

*Chair: Christie Fowler and Valeria Lallai*

*Audience: PC*

**POD3-1: NEGATIVE SOMATIC AND AFFECTIVE NICOTINE WITHDRAWAL BEHAVIOR ARE MEDIATED THROUGH THE LATERODORSAL TEGMENTAL NUCLEUS**

*Alexis Monical\*, Sofia Bennetts, Daniel McGehee*



POD3-2: NICOTINE PLUS CUE-PRIMED REINSTATEMENT AND NATURAL REWARDS ARE SEX-DEPENDENTLY ENHANCED IN ADOLESCENT SPRAGUE-DAWLEY RATS CONTAINING THE HUMAN CHRNA6 3'UTR POLYMORPHISM (RS2304297) IN THE ALPHA( $\alpha$ )6 NICOTINIC ACETYLCHOLINE RECEPTOR SUBUNIT

*Diana Carreno\*, Shahrdad Lottipour*

POD3-3: GENETIC DISSECTION OF NICOTINE AND LEARNING TRAITS USING BXD RECOMBINANT INBRED MICE

*Lisa Goldberg, Laurel Seemiller, Thomas Gould\**

POD3-4: ACTIVATION OF ACCUMBENS MICROGLIA AND ADENOSINE A2A RECEPTORS CONTRIBUTES TO NICOTINE SELF-ADMINISTRATION AND CUE-INDUCED REINSTATEMENT

*Emma Bondy\*, Shailesh Khatri, Erin Maher, Cassandra Gipson-Reichardt*

POD3-5: REINSTATEMENT OF COTININE SEEKING IN RATS: DIFFERENTIAL EFFECTS OF SEX

*Zheng-Ming Ding\*, Elizabeth Neslund, Xiaoying Tan, Lauren Hendricks*

POD3-6: MECHANISTIC INSIGHTS INTO NICOTINE WITHDRAWAL: ROLE OF PURINERGIC SIGNALING IN THE MEDIAL HABENULA

*Yen-Chu Chen\*, Christie Fowler*

10:00 a.m. - 11:30 a.m.

Key Ballroom 1-6 (Main Building, Second Floor)

**Podium Presentation 1: Symposium 3 (SYM 3)**

### **THE ACTION PLAN FOR NEW ZEALAND'S SMOKEFREE 2025 GOAL: A BLUEPRINT FOR THE SMOKING ENDGAME?**

*Chair: Ruth Malone\**

*Audience: P, HE*

SYM3-1: THE SMOKEFREE AOTEAROA 2025 ACTION PLAN: A MAORI PERSPECTIVE

*Andrew Waa\**

SYM3-2: THE SMOKEFREE AOTEAROA 2025 ACTION PLAN

*Richard Edwards\**

SYM3-3: QUANTITATIVE AND QUALITATIVE RESEARCH FINDINGS ABOUT SUPPORT AMONG PEOPLE WHO SMOKE FOR PROPOSED MEASURES IN THE SMOKEFREE 2025 ACTION PLAN

*Janet Hoek\**

SYM3-4: TOBACCO INDUSTRY RESPONSES AND ARGUMENTS IN RESPONSE TO THE PROPOSED ACTION PLAN FOR NEW ZEALAND'S SMOKEFREE 2025 GOAL

*Lindsay Robertson\**



11:30 a.m. - 1:00 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

**Poster Session 1**

11:30 a.m. - 1:00 p.m.

Holiday Ballroom 6 (East Building, Second Floor)

**Boxed lunches will be distributed from 11:30 a.m.-12:30 p.m.**

**Don't forget to attend Poster Session 1!**

11:45 a.m. - 12:15 p.m.

Holiday Ballroom 1 (East Building, 2nd Floor)

**Special Session: NASEM Premium Cigars Report Launch**

**Session Chair:** Grace Kong, PhD

11:45 a.m. - 12:45 p.m.

Johnson AB (East Building, First Floor)

**Past President Luncheon** (*Invitation Only*)

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

Key Ballroom 1-6 (Main Building, Second Floor)

**Welcome**

**SRNT Awards**

**Plenary Theme Lecture**

1:00 p.m.

**Welcome & Acknowledgments by the President of SRNT**

Megan Piper, PhD

1:10 p.m.

**Awards**

**Thomas J. Glynn, PhD; Chair, Awards Sub-Committee**



### **PRESIDENT AWARD RECIPIENT**

#### **Pebbles Fagan, PhD, MPH**

Professor and Director, Center for the Study of Tobacco  
Department of Health Behavior and Health Education  
Fay W. Boozman College of Public Health  
Director of Research, Office of Health Initiatives and Disparities Research  
University of Arkansas for Medical Sciences

### **JOHN SLADE AWARD RECIPIENT**

#### **Christine Delnevo, PhD**

Director, Rutgers Center for Tobacco Studies  
Professor, Department of Health Behavior, Society & Policy, Rutgers School of Public Health  
Senior Advisor, Tobacco Control Rutgers Cancer Institute of New Jersey

### **FERNO AWARD RECIPIENT**

#### **Ken Perkins, PhD**

Professor of Psychiatry, Psychology, and Epidemiology  
University of Pittsburgh  
*CrEATE: A PROCEDURE TO EFFICIENTLY DETECT EFFICACY IN NOVEL  
TREATMENTS FOR CESSATION*

### **JARVIK-RUSSELL AWARD RECIPIENT**

#### **Jessica Barrington-Trimis, PhD**

Assistant Professor of Population and Public Health Sciences  
Keck School of Medicine  
University of Southern California

### **2022 BEST ABSTRACT AWARDEES**

#### **Alexis Monical, MD, PhD(c)**

University of Chicago  
MSTP Department  
Biological Sciences Department  
Neurobiology Department  
*NEGATIVE SOMATIC AND AFFECTIVE NICOTINE WITHDRAWAL BEHAVIOR ARE  
MEDIATED THROUGH THE LATERODORSAL TEGMENTAL NUCLEUS*

**Francisco Cartujano-Barrera MD, PhD(c)**

Assistant Professor

University of Rochester Medical Center

*DEVELOPING GRAPHIC MESSAGES FOR VAPING PREVENTION AMONG BLACK AND LATINO ADOLESCENTS***Anupreet K. Sidhu, PhD, MA**

Postdoctoral Researcher

Tobacco Center of Regulatory Science

Perelman School of Medicine

University of Pennsylvania, PA, USA

*COGNITIVE RESPONSES TO PICTORIAL WARNING LABELS AND THEIR ASSOCIATION WITH QUITTING MEASURES AFTER CONTINUED EXPOSURE***Lizeth Cruz-Jimenez, MSc, PhD**

Researcher at Evaluation and Surveys Research Center (CIEE)

National Institute of Public Health-Mexico (INSP) Mexico

*HEATED TOBACCO PRODUCT USE OVER TIME, ITS CORRELATES, AND REASONS FOR USE AMONG MEXICAN SMOKERS AND VAPERS***Min-Jeong Yang, PhD**

Applied Post Doctoral Fellow

Moffit Cancer Center, Health Outcomes and Behavior

Tobacco Research and Intervention Program

*TESTING AUGMENTED REALITY FOR EXTINCTION OF CUE-PROVOKED URGES TO SMOKE: INITIAL EVIDENCE FROM A CONTROLLED EXPERIMENT*

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

Key Ballroom 1-6 (Main Building, Second Floor)

**Clinical Theme Lecture & 2022 Ferno Award Recipient: CrEATE: A Procedure to Efficiently Detect Efficacy in Novel Treatments for Cessation****Session Chair:** Caryn Lerman, PhD**Presenter:** Ken Perkins, PhD, Professor of Psychiatry, Psychology, and Epidemiology, University of Pittsburgh



2:30 p.m. - 3:00 p.m.

Holiday Ballroom 6 (East Building, Second Floor)

**Refreshment Break**

3:00 p.m. - 4:30 p.m.

Holiday Ballroom 3 (East Building, Second Floor)

**Podium Presentation 1: Paper Session 4 (POD 4)**

**RELATIONSHIPS BETWEEN COVID-19 AND SMOKING**

*Chair: Jamie Brown*

*Audience: PH, P, C, HE*

POD4-1: EFFECTS OF COVID-19 SHELTER-IN-PLACE ORDERS ON ADOLESCENT CIGARETTE AND E-CIGARETTE USE IN CALIFORNIA

*Sharon Lipperman-Kreda, Mary Wharton\*, Sabrina Islam, Melissa Abadi*

POD4-2: CHANGES IN TOBACCO PRODUCT SALES IN THE UNITED STATES DURING THE COVID-19 PANDEMIC

*Samuel Asare\*, Nigar Nargis, Priti Bandi, Farhad Islami, Lee Westmaas, Stacey Fedewa, Anuja Majmudar*

POD4-3: MARIJUANA USE, SMOKING, AND COVID-19 OUTCOMES

*Li-Shiun Chen\*, Timothy Baker, Nicholas Griffith, Brendan Heiden, Nina Smock, Giang Pham, Laura Bierut*

POD4-4: ASSESSMENT OF SEVERE CORONAVIRUS DISEASE 2019 OUTCOMES USING MEASURES OF SMOKING STATUS AND SMOKING INTENSITY

*E. Melinda Mahabee-Gittens, Angelico Mendy, Ashley Merianos\**

POD4-5: RACE, COVID-19-RELATED DISCRIMINATION CONCERN, AND CIGARETTE SMOKING BEHAVIOR: COMPARISON BETWEEN U.S. ASIAN AND WHITE ADULTS

*Tina Liu\*, Lilianna Phan, Julia Chen-Sankey, Aniruddh Ajith, Kiana Hacker, Bambi Jewett, Kelvin Choi*

POD4-6: FINANCIAL HARDSHIP DURING THE COVID-19 PANDEMIC AND TOBACCO DISCOUNT COUPONS REDEMPTION AMONG U.S. ADULTS

*Kasra Zarei\*, Julia Chen-Sankey, Lilianna Phan, Aniruddh Ajith, Kiana Hacker, Bambi Jewett, Kelvin Choi*

POD4-7: DISPARITIES AMONG SMOKERS DURING THE COVID-19 PANDEMIC EXAMINATION OF COVID-19 RELATED WORRIES BY SOCIODEMOGRAPHIC VARIABLES IN A U.S. NATIONALLY REPRESENTATIVE SURVEY

*Robert Fairman\*, Scott Weaver, Amy Nyman, Lucy Popova, Zachary Massey, Reed Reynolds, Claire Spears*





3:00 p.m. - 4:30 p.m.

Holiday Ballroom 2 (East Building, Second Floor)

**Podium Presentation 1: Paper Session 5 (POD 5)**

**COMMITTING TO INCLUSION AND EQUITY IN SMOKING CESSATION CLINICAL TRIALS**

*Chair: Asti Jackson and Jaqueline Avila*

*Audience: HE, C*

POD5-1: A NON-INFERIORITY TRIAL OF 25 DAYS OF CYTISINE VERSUS 84 DAYS OF VARENICLINE FOR SMOKING CESSATION - THE CESSATE STUDY

*Ryan Courtney\*, Hayden McRobbie, Piotr Tutka, Natasha Weaver, Dennis Petrie, Colin Mendelsohn, Anthony Shakeshaft, Saki Talukder, Christel Macdonald, Dennis Thomas, Benjamin Kwan, Natalie Walker, Coral Gartner, Richard Mattick, Christine Paul, Stuart Ferguson, Nicholas Zwar, Robyn Richmond, Christopher Doran, Veronica Boland, Wayne Hall, Robert West, Michael Farrell*

POD5-2: SMOKING BEHAVIORS, HEALTH CONDITIONS, PHARMACOTHERAPY USE, AND QUIT RATES IN BLACK AMERICANS WITH SERIOUS MENTAL ILLNESS

*Arundati Nagendra\*, Corinne Cather, Gladys Pachas, Kevin Potter, Melissa Maravic, A. Eden Evins*

POD5-3: THE POTENTIAL IMPACT OF LABORATORY ASSESSMENTS OF TREATMENT MECHANISMS ON CLINICAL TRIAL REPRESENTATIVENESS AND EQUITY -- A QUASI-EXPERIMENTAL INVESTIGATION

*Larry Hawk\*, Rebecca Ashare, Rinad Beidas, Martin Mahoney*

POD5-4: ASSESSING THE HEALTH EQUITY EFFECTS OF CIGARETTE LABELING POLICIES, A RANDOMIZED FIELD TRIAL AMONG ADULT SMOKERS

*James Thrasher\*, Chung-Li Wu, Emily Loud, Victoria Lambert, Norman Porticella, Stuart Ferguson, James Hardin, Jeff Niederdeppe*

POD5-5: UPTAKE AND EFFICACY OF A CO-LOCATED, OPT OUT SMOKING CESSATION SUPPORT PACKAGE DELIVERED AS PART OF A LUNG CANCER SCREENING PROGRAMME: THE YORKSHIRE ENHANCED STOP SMOKING STUDY (YESS)

*Rachael Murray\*, Kate Brain, John Britton, Harriet Quinn-Scoggins, Sarah Lewis, Grace McCutchan, Samantha Quaife, Qi Wu, Alex Ashurst, David Baldwin, Philip Crosbie, Richard Neal, Steve Parrott, Suzanne Rogerson, Rebecca Thorley, Matthew Callister*

POD5-6: SUBJECTIVE EXPERIENCES, CONTEXTS, AND RISK PERCEPTIONS OF VERY LOW NICOTINE CONTENT CIGARETTES AND ELECTRONIC CIGARETTES AMONG PEOPLE WITH AFFECTIVE DISORDERS WHO SMOKE

*Teresa DeAtley\*, Abigail Harrison, Bianca Camacho, Rachel Cassidy, Caroline Kuo, Stephen HigginsPhD, Jennifer Tidey*



POD5-7: A REMOTE INTEGRATED INTERVENTION FOR TREATMENT AND SMOKING CESSATION AMONG SMOKERS LIVING WITH HEPATITIS C - A PILOT STUDY

*Irene Pericot-Valverde\*, Abigail Sepansk, Jamila Johnson, Moonseong Heo, Michelle Bublitz, Carrie Baldwin, Prerana Roth, Susan Cordero-Romero, Jess Knapp, Alain Litwin*

3:00 p.m. - 4:30 p.m.

Key Ballroom 1-6 (Main Building, Second Floor)

**Podium Presentation 1: Symposium 4 (SYM 4)**

**IMPLICATIONS OF BANNING MENTHOL IN CIGARETTES AND RESTRICTING FLAVORS IN NICOTINE VAPING PRODUCTS: FINDINGS FROM THE INTERNATIONAL TOBACCO CONTROL (ITC) POLICY EVALUATION PROJECT**

*Chair: Shannon Gravely\**

*Audience: PH, P, C*

**SYM4-1: THE IMPACT OF CANADA'S MENTHOL CIGARETTE BAN ON QUITTING AMONG MENTHOL SMOKERS: POOLED ANALYSIS FROM THE ITC PROJECT AND THE ONTARIO MENTHOL BAN STUDY AND IMPLICATIONS FOR A MENTHOL BAN IN THE UNITED STATES**

*Geoffrey Fong\*, Janet Chung-Hall, Gang Meng, Lorraine V. Craig, Mary E. Thompson, Anne C.K. Quah, Rob Schwartz, Eric Soule, Joanna Cohen, K. Cummings, Andrew Hyland, Richard J. O'Connor, Maansi Bansal-Travers, David T. Levy, Cristine Delnevo, Ollie Ganz, Michael O. Chaiton*

**SYM4-2: MENTHOL SMOKERS' QUITTING BEHAVIOURS AFTER THE EUROPEAN UNION BAN ON MENTHOL: LONGITUDINAL FINDINGS FROM THE 2020 ITC NETHERLANDS SURVEYS**

*Christina Kyriakos\*, Pete Driezen, Janet Chung-Hall, Anne C.K. Quah, Geoffrey Fong, Marc Willemsen, Filippas Filippidis*

**SYM4-3: E-CIGARETTE FLAVORS, DEVICES AND BRANDS USED BY YOUTH BEFORE AND AFTER PARTIAL FLAVOR RESTRICTIONS IN THE US: FINDINGS FROM THE ITC YOUTH TOBACCO AND VAPING SURVEYS IN CANADA, ENGLAND, AND THE US**

*David Hammond\*, Jessica L. Reid, Robin Burkhalter, Maansi Bansal-Travers, Shannon Gravely, Andrew Hyland, Karin Kasza, Ann McNeill*

**SYM4-4: THE ILLEGAL EXPERIMENTAL TOBACCO MARKETPLACE III: EFFECTS OF VAPING PRODUCT BANS: FINDINGS FROM THE 2020 ITC SMOKING AND VAPING SURVEY**

*Warren Bickel\*, Roberta Freitas-Lemos, Jeffrey Stein, Allison Tegge*

**SYM4-5: THE PUBLIC HEALTH IMPACT OF A BAN ON FLAVORS IN NICOTINE VAPING PRODUCTS**

*David T. Levy\*, Rafael Meza*

**SYM4-6: SUBSTITUTION PROFILES OF MENTHOL SMOKERS IN SIMULATED FLAVOR BANS**

*Amanda Quisenberry\*, Lovina John, Samantha Hidalgo, Abari Francis Opio*



SYM4-7: MENTHOL PREFERENCE MODERATES THE RELATIONSHIP BETWEEN CIGARETTE NICOTINE CONTENT AND UNPLEASANT REACTIONS IN YOUNG ADULTS WHO REPORT LOW-FREQUENCY SMOKING

*Dana Rubenstein\*, Maggie Sweitzer, Lauren Pacek, Rachel Denlinger-Apte, Lauren Scroggs, Joe McClernon*

3:00 p.m. - 4:30 p.m.

Holiday Ballroom 4 (East Building, Second Floor)

**Podium Presentation 1: Symposium 5 (SYM 5)**

**PROMISING NEW SMOKING CESSATION PHARMACOTHERAPIES**

*Chair: Evan Herrmann\**

*Audience: C*

SYM5-1: TARGETING ALPHA-2A NORADRENERGIC RECEPTORS FOR SEX-DEPENDENT MECHANISMS IN SMOKING CESSATION

*Sherry McKee\**

SYM5-2: PSILOCYBIN-FACILITATED SMOKING CESSATION: COMPARATIVE EFFICACY VS. NICOTINE PATCH

*Matthew Johnson\**

SYM5-3: CYTISINICLINE AS A PROMISING NEW NICOTINE CESSATION TREATMENT

*Cindy Jacobs\**

SYM5-4: A PILOT TRIAL OF EXENATIDE ONCE-WEEKLY ADJUNCT TO NICOTINE PATCH FOR SMOKING CESSATION AND MITIGATION OF POST-CESSATION WEIGHT GAIN

*Luba Yammine\**

3:00 p.m. - 4:30 p.m.

Holiday Ballroom 1 (East Building, Second Floor)

**Podium Presentation 1: Paper Session 6 (POD 6)**

**NOT JUST NICOTINE: PRODUCT CONSTITUTENTS AND DRUG CO-USE**

*Chairs: Zheng-Ming Ding\* and Deniz Bagdas*

*Audience: PC, C, PH*

POD6-1: ALTERATION OF JUUL CONTENT IN RESPONSE TO THE US FDA FLAVOR BAN

*Amira Yassine\*, Rachel El Hage, Rola Salman, Soha Talih, Ahmad El-Hellani, Nareg Karaoghlanian, Najat Saliba, Alan Shihadeh, Thomas Eissenberg*

POD6-2: EFFECTS OF CHERRY AND SWEET FLAVOR ORAL CUE ON NICOTINE SELF-ADMINISTRATION IN ADOLESCENT RATS

*Deniz Bagdas\*, Nii Addy*



POD6-3: ALCOHOL AND VAPOURIZED NICOTINE CO-EXPOSURE DURING ADOLESCENCE CONTRIBUTE DIFFERENTIALLY TO SEX-SPECIFIC BEHAVIOURAL EFFECTS IN ADULTHOOD  
*Jessica Ruffolo\*, Jude Frie, Hayley Thorpe, Jibran Khokhar*

POD6-4: EPIGENETIC ANALYSES OF ALCOHOL CONSUMPTION IN COMBUSTIBLE AND NON COMBUSTIBLE NICOTINE USERS  
*Kelsey Dawes\*, Rachel Reimer, Allan Andersen, Robert Philibert*

POD6-5: SEX, AGE, AND GENOTYPIC DIFFERENCES IN THE EFFECTS OF MENTHOL ON NICOTINE INTAKE AND PREFERENCE IN MICE  
*Lois Akinola\*, Yumna Rahman, Olivia Ondo, Deniz Bagdas, Asti Jackson, M. Imad Damaj*

POD6-6: CHRONIC ADMINISTRATION OF SYNTHETIC CONTRACEPTIVE HORMONES ALTERS ETHANOL AND NICOTINE INTAKE IN A CO-USE MODEL IN FREELY CYCLING FEMALE RATS  
*Erin Maher\*, Emma Bondy, Shailesh Khatri, Olivia Sweatt, William Griffin, Jessica Weafer, Cassandra Gipson*

3:00 p.m. - 4:30 p.m.

Holiday Ballroom 5 (East Building, Second Floor)

### **Podium Presentation 1: Paper Session 7 (POD 7)**

#### **TOBACCO CONTROL POLICY EVALUATION: COMPLEXITY AND UNINTENDED CONSEQUENCES**

*Chair: Luz María Sánchez-Romero*

*Audience: P, PH*

POD7-1: DOES IMPLEMENTING SMOKE-FREE PUBLIC HOUSING INCREASE RESIDENT TURN-OVER

*Douglas Levy\*, David Cheng, Radhika Shah, Boram Lee, Sydney Goldberg, Jonathan Winickoff, Nancy Rigotti, Glory Song, Melody Kingsley, Jacqueline Doane, Patricia Henley, Sanouri Ursprung, Christopher Banthin, Vicki Fung*

POD7-2: TOBACCO PRODUCT TAX RATES AND EMERGING ADULT TOBACCO USE

*Michael Pesko\*, Abigail Friedman*

POD7-3: THE EVALI OUTBREAK AND TOBACCO SALES IN THE UNITED STATES, 2014—2020

*Alex Liber\*, Zachary Cahn, Megan Diaz, Emily Donovan, Donna Vallone, Barbara Schillo*

POD7-4: FLAVOURS AND FEATURES IN TOBACCO PACKS BEFORE PLAIN PACKAGING IN URUGUAY

*Laura Llambi\*, Mauricio Minacapilli, Valentina Gonzalez, Virginia Nuñez, Carolina Parodi, Mary Barros*



POD7-5: HOW DID CIGARETTE SMOKING CHANGE IN JAPAN AS HEATED TOBACCO PRODUCTS RAPIDLY ASCENDED? FINDINGS FROM THE 2018-2020 ITC JAPAN SURVEYS

*Shaowei Xu\*, Gang Meng, Shannon Gravely, Anne Quah, Janine Ouimet, Itsuro Yoshimi, Kota Katanoda, Takahiro Tabuchi, Michael Cummings, Andrew Hyland, Geoffrey Fong*

POD7-6: USING A BITE-STYLE MODEL TO EVALUATE POLAND'S MENTHOL CIGARETTE BAN

*Alex Liber, Michal Stoklosa, David Levy, Christopher Cadham, Luz Maria Sanchez-Romero\*, Michael Pesko*

4:30 p.m. - 6:00 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

### **Poster Session 2**

6:00 p.m. - 7:00 p.m.

Key Ballroom 1-6 (Main Building, Second Floor)

### **Special Session: Special Podcast Event**

#### **“TOBACCO REGULATORY SCIENCE, HEALTH EQUITY, MENTAL HEALTH & PUBLIC ENGAGEMENT”**

#### **2022 Special Event**

#### **“LIVE TAPING OF ‘THE ADDY HOUR’ WITH DR. NII ADDY”**

**Dr. Nii Addy** is the Alfred E. Kent Professor of Psychiatry and Professor of Cellular and Molecular Physiology.

SRNT is excited to announce a unique and special event in Baltimore: the live taping of the popular podcast, Addy Hour. The topic will be “Tobacco Regulatory Science, Health Equity, Mental Health & Public Engagement.” This live taping will feature a dynamic and honest conversation amongst our guest panelists as they share from their professional expertise and experience, as well as their personal experience.

The live taping will occur at SRNT 2022 on Wednesday, March 16, 2022, from 6:00 p.m. to 7:00 p.m.

Launched in March 2021 and hosted by Dr. Nii Addy, the Addy Hour podcast explores topics at the intersection of neuroscience, mental health, faith, culture and social justice. This is a unique event that you won't want to miss!



PANELISTS INCLUDE:

Kathleen Crosby, BA

Director of the Office of Health Communications and Education at the FDA Center for Tobacco Products

Pebbles Fagan, PhD, MPH

Professor and Director, Center for the Study of Tobacco

Department of Health Behavior and Health Education

Fay W. Boozman College of Public Health

Director of Research, Office of Health Initiatives and  
Disparities Research

University of Arkansas for Medical Sciences

Mitch Zeller, JD

Director of the FDA Center for Tobacco Products

7:00 p.m. - 8:30 p.m.

Peale ABC (East Building, First Floor)

**Trainee Network Mixer**



**SESSION SUMMARIES  
THURSDAY  
MARCH 17, 2022**



**THURSDAY, MARCH 17, 2022**

(Note: All presentation times are in Eastern Daylight Time [EDT].)

7:15 a.m. - 5:00 p.m.

SRNT Central - Key Ballroom Foyer (Main Building, Second Floor)

**SRNT REGISTRATION**

7:30 a.m. - 5:30 p.m.

Mencken (East Building, Second Floor)

**Speaker Ready Room**

8:30 a.m. - 10:00 a.m.

Holiday Ballroom 2 (East Building, Second Floor)

**Podium Presentation 2: Paper Session 8 (POD 8)**

**BIDIRECTIONAL RELATIONSHIP BETWEEN MENTAL HEALTH AND NICOTINE USE**

*Chair: Jennifer Pearson*

*Audience: PH, P, C, PC, HE*

POD8-1: ESCALATION OF ENDS USE ACROSS YOUNG ADULthood - ASSOCIATIONS WITH DEPRESSIVE SYMPTOMS AND SENSATION SEEKING

*Xiaoyin Li\*, Anna Wilkinson, Alexandra Loukas*

POD8-2: STRESS AND E-CIGARETTE USE AMONG YOUTH AND YOUTH ADULTS: A LONGITUDINAL EXAMINATION OF INITIATION, REUPTAKE, AND CONTINUATION

*Dale Mantey\*, Stephanie Clendennen, Aslesha Sumbe, Anna Wilkinson, Melissa Harrell*

POD8-3: INTERNALIZING AND EXTERNALIZING PROBLEMS ON THE AGE OF E-CIGARETTE INITIATION IN THE POPULATION ASSESSMENT OF TOBACCO AND HEALTH (PATH) USA YOUTH (2013-2017)

*Meagan Bluestein\*, Melissa Harrell, Baojiang Chen, Adriana Perez*

POD8-4: PSYCHOSOCIAL PREDICTORS OF LONGITUDINAL CHANGES IN TOBACCO AND MARIJUANA USE AMONG YOUNG ADULTS FROM 2018 TO 2020

*Katelyn Romm\*, Yan Wang, Zongshuan Duan, Breesa Bennett, Caroline Fuss, Yan Ma, Carla Berg*

POD8-5: EXAMINING THE LONGITUDINAL, INTERACTIVE ASSOCIATIONS OF DEPRESSIVE SYMPTOMS AND PEER TOBACCO USE ON YOUNG ADULT TOBACCO USE

*Caroline North\*, Nathan Marti, Alexandra Loukas*

POD8-6: DISCRIMINATION, NICOTINE WITHDRAWAL, AND THEIR ASSOCIATIONS WITH INSOMNIA SEVERITY IN A SAMPLE OF SMOKERS

*Sofia Mildrum Chana\*, Karen Cropsey, S. Thomas, Karen Gamble*





8:30 a.m. - 10:00 a.m.

Key Ballroom 1-6 (Main Building, Second Floor)

**Podium Presentation 2: Symposium 6 (SYM 6)**

**EQUITY IMPLICATIONS OF FLAVORED TOBACCO RESTRICTION POLICIES**

*Chair: Shyanika Rose\**

*Audience: HE, P, PH*

SYM6-1: SCOPING REVIEW OF STUDIES EVALUATING THE IMPACT OF LOCAL US LAWS RESTRICTING THE SALE OF FLAVORED AND MENTHOL TOBACCO PRODUCTS: WHAT IS KNOWN ABOUT EQUITY IMPACTS?

*Todd Rogers\*, Elizabeth Brown, Barbara Schillo*

SYM6-2: WHAT DOES IT TAKE TO EMBED AN ANTI-RACISM LENS INTO LOCAL POLICY RESTRICTING MENTHOL CIGARETTE SALES IN LOS ANGELES COUNTY'S UNINCORPORATED COMMUNITIES?

*Sabrina Smiley\*, Jane Steinberg*

SYM6-3: SUPPORT FOR AND BARRIERS TO PASSING AND IMPLEMENTING COMPREHENSIVE BANS ON THE SALE OF FLAVORED TOBACCO PRODUCTS (INCLUDING MENTHOL CIGARETTES)

*Sherry Emery\*, Yoonsang Kim, Barbara Schillo, Phil Gardiner*

SYM6-4: EXAMINING THE RELATIONSHIP OF FLAVORED TOBACCO PRODUCT POLICY RESTRICTIONS AND TOBACCO PRODUCT USE, AMONG A NATIONALLY REPRESENTATIVE SAMPLE OF US ADOLESCENTS AND YOUNG ADULTS

*Minal Patel\*, Elexis Kierstead, Michael Liu, Barbara Schillo, Shyanika Rose*

8:30 a.m. - 10:00 a.m.

Holiday Ballroom 1 (East Building, Second Floor)

**Podium Presentation 2: Paper Session 9 (POD 9)**

**IDENTIFYING AND ELIMINATING ENDURING DISPARITIES IN TOBACCO USE AMONG SEXUAL AND GENDER MINORITY ADULTS**

*Chair: Jen Cantrell & Arturo Durazo*

*Audience: PH, P, HE*

POD9-1: CHANGES IN SEXUAL IDENTITY OVER TIME AND INCREASES IN TOBACCO USE

*Rebecca Evans-Polce\*, Luisa Kcomt, Philip Veliz, Carol Boyd, Sean Esteban McCabe*

POD9-2: DISPARITIES IN COMBUSTIBLE TOBACCO USE ACROSS SEXUAL IDENTITIES: COMPARISON OF GAY/LESBIAN, BISEXUAL, AND QUESTIONING YOUTH (2015-2019)

*Benjamin Cristol\**

Thursday



POD9-3: CIGARETTE AND CIGAR BRAND PREFERENCES AMONG SEXUAL MINORITIES IN THE UNITED STATES

*Ollie Ganz\*, Sarah Ehlke, Sabrina Steinberg, Laurel Curry*

POD9-4: PROJECT RESIST: A CASE STUDY ON LESSONS LEARNT FROM USING A COMMUNITY-ENGAGED RESEARCH PROCESS TO DEVELOP TAILORED ANTI-SMOKING MESSAGES FOR YOUNG ADULT SEXUAL MINORITY WOMEN

*Andy Tan\*, Scout, Ana Machado, Bob Gordon, Julia Applegate, Ashley Sanders-Jackson, Weiting Du, Dominik Neumann, Louis Schiavone, Maral Zakharia, Shoba Ramanadhan, Jarvis Chen, Jane Robert, Meg Salvia, Elaine Hanby, David Cordero, Mary Andrews, Oulaya Louaddi, Gabriela Montes de Oca, Mitchell Lunn, Juno Obedin-Maliver, Jennifer Potter, Kasisomayajula Viswanath*

POD9-5: DO LESBIAN GAY BISEXUAL TRANSGENDER AND QUEER (LGBTQ) CUES IN MESSAGES DESIGNED FOR WOMEN IMPACT SUPPORT FOR TOBACCO CONTROL POLICIES

*Ashley Sanders-Jackson\*, Dominik Neumann, Elaine Hanby, Andy Tan*

POD9-6: LGBTQ+ REACTION TO A MENTHOL CIGARETTE BAN: A QUALITATIVE STUDY

*Darcy Lockhart\*, Rachel Denlinger-Apte, Ashley Strahley, Rachel Cassidy, Eric Donny, Richard O'Connor, Jennifer Tidey*

POD9-7: RESPONSE TO HYPOTHETICAL E-LIQUID FLAVOR RESTRICTIONS AMONG SEXUAL AND GENDER MINORITY YOUNG ADULTS

*Natasha Sidhu, Tristan Borosky-Armstrong, William Lechner\*, Alayna Tackett*

8:30 a.m. - 10:00 a.m.

Holiday Ballroom 3 (East Building, Second Floor)

**Podium Presentation 2: Paper Session 10 (POD 10)**

**SMOKING CESSATION FOR MEDICALLY VULNERABLE POPULATIONS**

*Chairs: Robert Schnoll\* and Jessica Cook*

*Audience: C, HE*

POD10-1: CONTINUOUS GLUCOSE MONITORING TO EXPLORE THE ACUTE EFFECTS OF SMOKING CESSATION ON GLYCEMIC CONTROL AMONG AMERICAN INDIAN SMOKERS WITH TYPE 2 DIABETES

*Sydney Martinez\*, Kayli Nail, Afsheen Hasan, Stephanie Ice, Samantha Keener, Tara Ritter, Douglas Nolan*

POD10-2: EFFICACY OF MAPS IN FACILITATING SMOKING ABSTINENCE AMONG CERVICAL CANCER SURVIVORS: RCT OUTCOMES

*Jennifer Vidrine\*, David Wetter, Vani Simmons, Sarah Jones, Steven Sutton, Ya-Chen Tina Shih, Linda Elting, Lois Ramondetta, Joan Walker, Katie Smith, Summer Frank-Pearce, Yisheng Li, Damon Vidrine*



POD10-3: DEVELOPMENT OF A TARGETED BEHAVIORAL TREATMENT FOR SMOKING CESSATION AMONG INDIVIDUALS WITH CHRONIC OBSTRUCTIVE PULMONARY DISEASE

*Amanda Mathew\*, Elizabeth Avery, Chelsea Cox, Patrick Nwanah, Ravi Kalhan, Brian Hitsman, Lynda Powell*

POD10-4: OPTIMIZING REACH AND EFFECTIVENESS OF TOBACCO TREATMENT IN CANCER PATIENTS: LESSONS FROM THE CANCER MOONSHOT CANCER CENTER CESSATION INITIATIVE

*Sarah Hohl\*, Ramzi Salloum, Steven Bernstein, Mara Minion, Katie Lenhoff, Neely Dahl, Hee Soon Juon, Ursula Tsosie, Linda Fleisher, Michael Fiore, Betsy Rolland, Heather D'Angelo, Alex Ramsey, Jamie Ostroff, Kimlin Ashing, Robert Schnoll, Li-Shiun Chen*

POD10-5: COMPARATIVE EFFECTIVENESS OF TWO POST-DISCHARGE SMOKING CESSATION INTERVENTIONS FOR HOSPITAL PATIENTS: THE HELPING HAND 4 RANDOMIZED TRIAL

*Nancy Rigotti\*, Susan Regan, Yuchiaio Chang, Douglas Levy, Esa Davis, Jennifer Kelley, Thomas Ylioja, Daniel Singer, Hilary Tindle*

POD10-6: EVALUATION OF AN OPT-OUT CHRONIC CARE PROGRAM TO TREAT SMOKING IN ADULT PRIMARY CARE

*Danielle McCarthy\*, Timothy Baker, Mark Zehner, Rob Adsit, Nayoung Kim, DeeJay Zwaga, Katherine Coates, Hannah Wallenkamp, Margaret Nolan, Margaret Steiner, Amy Skora, Christian Kastman, Michael Fiore*

Thursday

8:30 a.m. - 10:00 a.m.

Holiday Ballroom 5 (East Building, Second Floor)

**Podium Presentation 2: Symposium 7 (SYM 7)**

**ON THE BASIS OF SEX: NICOTINE'S DIFFERENTIAL ACTIONS IN THE MALE AND FEMALE BRAIN**

*Chair: Cassandra Gipson-Reichardt\**

*Audience: PC*

SYM7-1: DEVELOPMENTAL AND SEX DIFFERENCES IN THE EFFECTS OF JUUL E-CIGARETTES ON PLACE CONDITIONING AND PRECIPITATED WITHDRAWAL

*Jibran Khokhar\*, Jude Frie, Ahmad Hassan, Karling Luciani, Chuyun Chen, Jaiden Smith, Bryana Hallam*

SYM7-2: SEX-SPECIFIC EFFECTS OF TOBACCO/ENDS FLAVORANTS ON REINFORCEMENT-RELATED BEHAVIOR IN A RODENT MODEL OF VAPOR SELF-ADMINISTRATION

*Skylar Cooper\*, Montana Richardson, Brandon Henderson*

SYM7-3: DEVELOPMENTAL EXPOSURE TO E-CIGARETTE NICOTINE OR THC VAPE ALTERS CESSATION THERAPEUTIC EFFECTIVENESS IN RATS

*Yen-Chu Chen, James Fowler, Samantha Cheeks, Angeline Dukes, Jesus Campos, Stephen Mahler, Christie Fowler\**

**Audience Key:** PC: Pre-Clinical; C: Clinical; PH: Public Health/Epidemiology; P: Policy



SYM7-4: NICOTINE SELF-ADMINISTRATION ACTIVATES ACCUMBENS MICROGLIA IN A SEX-SPECIFIC FASHION

*Emma Bondy, Shailesh Khatri, Erin Maher, Cassandra Gipson\**

8:30 a.m. - 10:00 a.m.

Holiday Ballroom 4 (East Building, Second Floor)

**Podium Presentation 2: Symposium 8 (SYM 8)**

**KEEPING IT REAL ABOUT SYNTHETIC NICOTINE: PRODUCTS, PATENTS, PERCEPTIONS AND POLICIES**

*Co-Chairs: Andrew Seidenberg\* and Sven-Eric Jordt\**

*Audience: P, PH, PC*

SYM8-1: "TOBACCO-FREE NICOTINE" E-CIGARETTE PRODUCTS SOLD ONLINE

*Grace Kong\**

SYM8-2: SYNTHETIC NICOTINE: EMERGENCE, CHEMISTRY AND HEALTH RISK

*Nuan Ping Cheah\**

SYM8-3: EFFECTS OF A "TOBACCO-FREE NICOTINE" CLAIM ON PERCEPTIONS OF PUFF BAR E-CIGARETTE USE AMONG YOUNG ADULTS

*Julia Chen-Sankey\**

SYM8-4: SYNTHETIC NICOTINE: LEGAL AND REGULATORY CONSIDERATIONS

*Micah Berman\**

10:00 a.m. - 10:30 a.m.

Holiday Ballroom 6 (East Building, Second Floor)

**Refreshment Break**

10:30 a.m. - 11:30 a.m.

Key Ballroom 1-6 (Main Building, Second Floor)

**Policy Theme Lecture: Achieving a Smoke-Free Generation in a Post-COVID World: Progress, Equity, and Innovation in England**

**Session Chair:** Jamie Brown, PhD, CPsychol

**Presenter:** Kevin Fenton, MBBS (Hons) MSc, PhD, FFPH, Professor, Regional Director London, Office of Health Improvement and Disparities, Department of Health and Social Care, Regional Director for Public Health, NHS London, Statutory Health Advisor to the Mayor of London, GLA and London Assembly



11:30 a.m. - 1:00 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

**Poster Session 3**

11:30 a.m. - 1:00 p.m.

Holiday Ballroom 6 (East Building, Second Floor)

**Lunch Break**

**Boxed lunches will be distributed from 11:30 a.m. - 12:30 p.m.**

**Don't forget to attend Poster Session 3!**

1:00 p.m. - 1:45 p.m.

Key Ballroom 1-6 (Main Building, Second Floor)

**Jarvik-Russell New Investigator Plenary Theme Lecture: Smoke and Mirrors:  
Uncovering the Public Health Impact of E-Cigarettes**

**Session Chair:** Tracy Smith, PhD

**Presenter:** Jessica Barrington-Trimis, PhD, 2022 Jarvik-Russell New Investigator Awardee, Assistant Professor of Population and Public Health Sciences, Keck School of Medicine, University of Southern California

1:45 p.m. - 2:45 p.m.

Key Ballroom 1-6 (Main Building, Second Floor)

**Pre-Clinical Theme Lecture: Understanding the Brain Systems That Promotes  
Nicotine Use in Vulnerable Populations**

**Session Chair:** Christie D. Fowler, PhD

**Presenter:** Laura E. O'Dell, PhD, Professor of Behavioral Neuroscience, Associate Vice President for Research, Department of Psychology, University of Texas, El Paso

2:45 p.m. - 3:15 p.m.

Holiday Ballroom 6 (East Building, Second Floor)

**Refreshment Break**

Thursday



3:15 p.m. - 4:45 p.m.

Holiday Ballroom 3 (East Building, Second Floor)

**Podium Presentation 2: Paper Session 11 (POD 11)**

**TACKLING AND TRANSCENDING THE BARRIERS OF SMOKING CESSATION AND PREVENTION IN PRIORITY POPULATIONS**

*Chairs: Rachel Denlinger-Apte\* and Irene Pericot-Valverde*

*Audience: HE, PH, P, C*

POD11-1: SYSTEMATIC REVIEW OF RECRUITMENT BIAS OF ADULTS IN U.S. PHASE 2 AND 3 RANDOMIZED CLINICAL TRIALS FOR SMOKING, NICOTINE, AND TOBACCO CESSATION: 2008 TO 2019

*Ilana Buffenstein\*, Emily Taylor, Bree Kāneakua, Masako Matsunaga, So Yung Choi, Enrique Carrazana, Kore Kai Liow, Jason Viereck, Arash Ghaffari-Rafi*

POD11-2: GIILANG GAWIMARRA (GATHERING STORIES) OF ABORIGINAL AND TORRES STRAIT ISLANDER WOMEN'S SMOKING AND QUITTING JOURNEY

*Michelle Kennedy\*, Eden Barrett, Christina Heris, Raglan Maddox*

POD11-3: EXPLORING POTENTIAL FOR A PERSONALIZED MEDICINE APPROACH TO SMOKING CESSATION WITH AN AMERICAN INDIAN TRIBE

*Dana Carroll\*, Sharon Murphy, Ellen Meier, Kristine Rhodes, Casey Dorr, Greg Braaten, Pamala Jacobson, Rachel Tyndale, Dorothy Hatsukami, Carol Hernandez*

POD11-4: SMOKING CESSATION IN LUMBEE INDIANS: A QUALITY IMPROVEMENT PROJECT

*Gina Whritenour\**

POD11-5: DISPARITIES IN THE ASSOCIATION BETWEEN "TIPS FROM FORMER SMOKERS" CAMPAIGN AND QUIT INTENTIONS/ATTEMPTS AMONG SEXUAL MINORITIES

*Yu Wang\*, Zongshuan Duan, Shannon Self-Brown, Scott Weaver, Claire Spears, Pinpin Zheng, Michael Eriksen, Jidong Huang*

POD11-6: EFFICACY AND UTILIZATION OF SMARTPHONE APPLICATIONS FOR SMOKING CESSATION AMONG AMERICAN INDIANS AND ALASKA NATIVES: RESULTS FROM THE ICAN-QUIT TRIAL

*Margarita Santiago-Torres\*, Kristin Mull, Brianna Sullivan, Diana Kwon, Patricia Nez Henderson, Lonnie Nelson, Christi Patten, Jonathan Bricker*

POD11-7: WORKING TOGETHER TO REDUCE COMMERCIAL TOBACCO-RELATED HARMS, THE SOUTHERN CALIFORNIA TRIBAL TOBACCO COALITION

*Juliet Lee\*, Lisa Brucks, Ami Admire, Jennifer Geisler, Michelle Nielson, Diana Martinez, Monah Hanson, Dan Calac, Roland Moore*



3:15 p.m. - 4:45 p.m.

Holiday Ballroom 1 (East Building, Second Floor)

**Podium Presentation 2: Symposium 9 (SYM 9)**

**EXAMINING THE EQUITY OF RETAIL-FOCUSED TOBACCO CONTROL STRATEGIES**

*Co-Chairs: Megan Roberts\* and Daniel Giovenco\**

*Audience: HE, P*

SYM9-1: CONVENIENCE STORE, PHARMACY, OR VAPE SHOP? HOW THE DISTRIBUTION OF TOBACCO RETAILER TYPE VARIES BY COMMUNITY CHARACTERISTICS

*Megan Roberts\*, Claire Jenkins, Elizabeth Schwartz, Nathaniel Onnen, Peter Craigmile*

SYM9-2: PATTERNS OF TOBACCO RETAILER ATTRITION BY STORE TYPE AND NEIGHBORHOOD CHARACTERISTICS IN NEW YORK CITY

*Daniel Giovenco\*, Torra Spillane, Rachel Maggi*

SYM9-3: DOCUMENTING THE IMPACT POTENTIAL OF A MENTHOL CIGARETTE BAN AT POINT-OF-SALE: A PHOTOGRAPH-BASED ANALYSIS OF THE PRESENCE AND PLACEMENT OF MENTHOL VERSUS REGULAR CIGARETTE PACKS ON THE SHELVES OF TOBACCO RETAIL OUTLETS IN NEW YORK CITY

*Thomas Kirchner\*, Alexandra Guttentag, Avigail Vantu, Diana Silver*

SYM9-4: RETAIL MARKETING OF MENTHOL CIGARETTES IN LOS ANGELES, CALIFORNIA: A CHALLENGE TO HEALTH EQUITY

*Sabrina Smiley\*, Junhan Cho, Kacie Blackman, Tess Boley Cruz, Mary Ann Pentz, Jonathan Samet, Lourdes Baezconde-Garbanati*

3:15 p.m. - 4:45 p.m.

Holiday Ballroom 2 (East Building, Second Floor)

**Podium Presentation 2: Symposium 10 (SYM 10)**

**A GLOBAL HEALTH PROGRAMME TO ADDRESS SMOKELESS TOBACCO AND BUILD RESEARCH CAPACITY IN SOUTH ASIA (ASTRA)**

*Co-Chairs: Kamran Siddiqi\* and Ravi Mehrotra\**

*Audience: PH, P, HE*

SYM10-1: LIFETIME BURDEN OF SMOKELESS TOBACCO IN INDIA, PAKISTAN AND BANGLADESH

*Kathryn Coyle\*, Subhash Pokhrel*

SYM10-2: SMOKELESS TOBACCO USE DURING PREGNANCY IN SOUTH-EAST ASIA

*Radha Shukla\**





SYM10-3: THE FEASIBILITY OF CONDUCTING A COHORT STUDY AMONG SECONDARY SCHOOLCHILDREN IN BANGLADESH, INDIA AND PAKISTAN

*Catherine Jackson\*, Romaina Iqbal, Masuma Mishu, Mona Kanaan, Lu Han, Laraib Mazhar, Ann McNeill*

SYM10-4: COMPLIANCE OF SMOKELESS TOBACCO PRODUCTS WITH TOBACCO CONTROL REGULATIONS IN BANGLADESH, INDIA AND PAKISTAN

*Zohaib Khan\*, Abdullah Sonnet, Rumana Huque, Mona Kanaan, Safat Ullah, Suneela Garg, Chetana Deshmukh, Amod Borle, Mongjam Singh, Kamran Siddiqi*

3:15 p.m. - 4:45 p.m.

Holiday Ballroom 5 (East Building, Second Floor)

**Podium Presentation 2: Symposium 11 (SYM 11)**

**IS CANNABIS USE A GROWING DISRUPTER IN TOBACCO CONTROL? NEW EVIDENCE FROM EPIDEMIOLOGY, OBSERVATIONAL RESEARCH, AND TREATMENT**

*Chair: Kelly Carpenter\**

*Audience: C, PH*

SYM11-1: INCREASING CANNABIS USE AND CANNABIS USE DISORDER AMONG US INDIVIDUALS WHO SMOKE CIGARETTES, 2004-2017: IMPACT OF CANNABIS LEGALIZATION

*Renee Goodwin\*, Katarzyna Wyka, Andrea Weinberger*

SYM11-2: ASSOCIATIONS BETWEEN INTENSITY AND TYPES OF TOBACCO AND CANNABIS CO-USE ON THE SAME DAY AMONG YOUNG ADULT SMOKERS

*Nhung Nguyen\*, Johannes Thrul, Torsten Neilands, Pamela Ling*

SYM11-3: DAYS OF CANNABIS USE AND SMOKING CESSATION TREATMENT OUTCOMES: NONE IS BETTER, MORE IS WORSE

*Christine Sheffer\*, Alina Shevorykin, Ellen Carl, Renee Goodwin, Alan Budney, Cheryl Rivard, Andrew Hyland*

SYM11-4: INTEGRATING A MOTIVATIONAL CANNABIS INTERVENTION INTO STATE QUITLINE COACHING TO INCREASE TOBACCO CESSATION AMONG CO-USERS

*Kelly Carpenter\*, Johnathan Hsu, Beatriz Carlini, Denise Walker*

SYM11-5: DISCUSSANT

*Alan Budney\**

SYM11-6: KNOWLEDGE, ATTITUDES AND PRACTICES OF UK STOP SMOKING PRACTITIONERS WHEN ADVISING CO-USERS OF TOBACCO AND CANNABIS TO QUIT SMOKING

*Dayyanah Sumodhee\*, Hannah Walsh, Leonie Brose, Ann McNeill, Maria Duaso*





3:15 p.m. - 4:45 p.m.

Key Ballroom 1-6 (Main Building, Second Floor)

**Podium Presentation 2: Symposium 12 (SYM 12)**

**NEW PRODUCT OR SAME OLD PLAYBOOK? EMERGING MULTIDISCIPLINARY RESEARCH ON NEW ORAL NICOTINE PRODUCTS**

*Co-Chairs: Maciej Goniewicz\* and Cassandra Stanton\**

*Audience: PC, C, PH, P*

SYM12-1: CHEMICAL CHARACTERIZATION OF NOVEL TOBACCO-FREE NICOTINE-CONTAINING ORAL PRODUCTS

*Michelle Page\*, Grace Maley, Scott Heldwein, Maciej Goniewicz*

SYM12-2: NICOTINE POUCH USE PATTERNS, PERCEPTIONS, AND MARKETING EXPOSURE AMONG CIGARETTE SMOKERS, SMOKELESS TOBACCO USERS, AND NONUSERS

*Brittney Keller-Hamilton\*, Lauren Long, Ce Shang, Megan Roberts, Theodore Wagener, Darren Mays*

SYM12-3: PERCEPTIONS OF ORAL NICOTINE POUCHES ON REDDIT

*Dongmei Li\*, Yihan Shao, Jonathan Zou, Zidian Xie, Rachel Grana Mayne, Deborah Ossip, Irfan Rahman, Scott McIntosh*

SYM12-4: CELLULAR AND METABOLIC TOXICITY OF ORAL NICOTINE POUCH PRODUCTS IN ORAL EPITHELIAL CELLS

*Sairam Jabba\*, Peter Silinski, Shaunacee Howell, Ana Caceres, Sven-Eric Jordt*

3:15 p.m. - 4:45 p.m.

Holiday Ballroom 4 (East Building, Second Floor)

**Podium Presentation 2: Paper Session 12 (POD 12)**

**RAPID FIRE: NEW TRENDS IN PACKAGING AND MARKETING TO YOUTH AND ADULTS**

*Chair: Carla Berg*

*Audience: C, PH*

POD12-1: STANDARDIZING THE SHAPE OF SMOKELESS TOBACCO PACKS SOLD IN BANGLADESH - POTENTIAL IMPACT ON HEALTH WARNING LABEL VISIBILITY AND HARM PERCEPTIONS

*Lauren Czaplicki\*, Sejal Saraf, A.B.M Rasheduzzaman, Laura Kroart, Mohammad Islam, Joanna Cohen*

Thursday



POD12-2: THE SHORT-TERM AND LONG-TERM ASSOCIATION BETWEEN RECEIVING CIGARETTE DISCOUNTS/COUPONS AND CIGARETTE SMOKING CESSATION BEHAVIORS AMONG US ADULT SMOKERS WHO HAVE INTENTION TO QUIT

*Zongshuan Duan\*, Yu Wang, Shannon Self-Brown, Scott Weaver, Claire Spears, Pinpin Zheng, Michael Eriksen, Jidong Huang*

POD12-3: GLOBALIZATION OF CIGARETTE MARKETING: YOUNG ADULT SMOKERS' SHARED PERCEPTIONS OF FLAVORED CIGARETTE PACK DESIGN IN MEXICO AND IN THE PHILIPPINES

*Graziele Grilo\*, Jennifer Brown, Joanna Cohen, Katherine Smith*

POD12-4: ELECTRONIC CIGARETTES SALES TRENDS AND MARKET SHARE FROM SOUTH AFRICAN SALES SCANNER DATA

*Olalekan Ayo-Yusuf\*, Joyce Jakavula, Lungile Nkosi, Kgomoitso Kali, Israel Agaku*

POD12-5: EXPOSURE TO E-CIGARETTE ADVERTISING AND ITS ASSOCIATIONS WITH ATTITUDES AND BEHAVIORS TOWARDS E-CIGARETTES AMONG US ADOLESCENTS, 2017-2019

*Yu Wang\*, Zongshuan Duan, Shannon Self-Brown, Scott Weaver, Claire Spears, Pinpin Zheng, Michael Eriksen, Jidong Huang*

POD12-6: DETERMINING IF PLATFORM AND FEDERAL TOBACCO CONTROL POLICIES ALIGN WITH CURRENT INDUSTRY PRACTICES

*Linnea Laestadius\*, Julia Vassey, Anuja Majmundar, Andrea Stroup, Ziyad Ben Taleb, Helen Meissner, Sherry Emery, Dan Romer, Tess Cruz, Grace Kong*

POD12-7: HOW REPETITION AFFECTS THE PERCEIVED TRUTH OF (MIS)INFORMATION ABOUT TOBACCO PRODUCTS

*Jennifer Morgan\*, Joseph Cappella*

POD12-8: TOBACCO ADVERTISING AT POINT OF SALE IN DHAKA, BANGLADESH, IDENTIFYING TOBACCO INDUSTRY STRATEGIES

*Mary Clare Rosemeyer\*, Mohammad Rahman, Mostafizur Rahman, Ahmed Mahmud, Zayed Siddiki, Claudio Tanca, Vandana Shah, Maria Carmona, Ernesto Sebrie*



4:45 p.m. - 6:15 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

**Poster Session 4**

*Poster Session 4 is designated for pre-recorded “Paper Plus” (On-Demand Papers) presenters to meet with colleagues and answer questions in person during this session. This new format was created due to the lack of session space and the SRNT 2022 Program Committee Chair’s desire to present as many papers as possible. These accepted papers will be pre-recorded and available online for conference attendee access. “Paper Plus” attendees can connect with their peers in Baltimore at the live Q&A during this particular poster session. For a list of accepted pre-recorded “Paper Plus” presenters, please refer to the abstracts starting on page 80 of this program, reference SRNT Central Online, and/or check out the SRNT 2022 abstract pdf.*

Thursday



**SESSION SUMMARY  
FRIDAY  
MARCH 18, 2022**



**FRIDAY, MARCH 18, 2022**

(Note: All presentation times are in Eastern Daylight Time [EDT].)

7:00 a.m. - 11:00 a.m.

Mencken (East Building, Second Floor)

**Speaker Ready Room**

7:30 a.m. - 12:30 p.m.

SRNT Central - Key Ballroom Foyer (Main Building, Second Floor)

**SRNT Registration**

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

Holiday Ballroom 3 (East Building, Second Floor)

**Podium Presentation 3: Symposium 13 (SYM 13)**

**EMOTION AS A PATHWAY IN TOBACCO-RELATED JUDGEMENT AND DECISION MAKING: NOVEL INSIGHTS FROM INTERDISCIPLINARY APPROACHES**

*Chair: Vaughan Rees\**

*Audience: PH, C, P*

SYM13-1: INDUCING THE POSITIVE EMOTION OF GRATITUDE IN THE CONTEXT OF ANTI-TOBACCO COMMUNICATIONS REDUCES MOTIVATION TO SMOKE

*Vaughan Rees\*, Ke Wang, Charles Dorison, Emily Heckel, Jessica Liu, Chelsea Zabel, Andy Tan, Jennifer Lerner*

SYM13-2: POPULATION-LEVEL ASSOCIATIONS SUGGEST A PROTECTIVE INFLUENCE OF GRATITUDE ON CURRENT SMOKING STATUS

*Ke Wang\*, Vaughan Rees, Charles Dorison, Jennifer Lerner*

SYM13-3: THE ROLE OF DISCRETE EMOTION IN THE REASONED ACTION MODEL OF BEHAVIORAL INTENTION: THREE EMPIRICAL TESTS

*Joseph Cappella\*, Hyun Suk Kim*

SYM13-4: SMOKERS' CURIOSITY FACILITATES RECALL OF TOBACCO-RELATED HEALTH INFORMATION

*David Lydon-Staley\*, Jaydin Clark, Asia Vincent, Xinyi Wang, Amanda McGowan*

Friday



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

Holiday Ballroom 5 (East Building, Second Floor)

**Podium Presentation 3: Symposium 14 (SYM 14)**

**UNDERSTANDING FACTORS ASSOCIATED WITH CANNABIS AND TOBACCO CO-USE: IMPLICATIONS FOR ACHIEVING HEALTH EQUITY**

*Chair: LaTrice Montgomery\**

*Audience: HE, PH, P*

SYM14-1: A DIFFERENCE-IN-DIFFERENCE APPROACH TO EXAMINING DISPARITIES IN THE IMPACT OF CANNABIS LEGALIZATION ON THE CO-USE OF CIGARETTES AND CANNABIS IN THE UNITED STATES, 2004-2017

*Renee Goodwin\*, Andrea Weinberger*

SYM14-2: TRAJECTORY ANALYSIS OF PATTERNS OF YOUNG ADULT CANNABIS AND TOBACCO USE AND CO-USE FROM 28 DAYS OF ECOLOGICAL MOMENTARY ASSESSMENT: AN EXAMINATION OF VULNERABILITY FACTORS

*Amy Cohn\*, Dingjing Shi, Summer Frank-Pearce, Robin Mermelstein, Ryan Vandrey, Donald Hedeker, Andrea Villanti*

SYM14-3: SUICIDE IDEATION AND DEPRESSION SYMPTOMS AMONG RACIAL/ETHNIC MINORITY YOUTH WHO USE/CO-USE CANNABIS AND ELECTRONIC VAPOR PRODUCTS: AN ANALYSIS OF 2015-2019 YRBS DATA

*Wura Jacobs\**

SYM14-4: EXAMINING PREDICTORS OF QUITTING BEHAVIOURS AMONGST UK VOCATIONAL COLLEGE STUDENTS WHO CO-USE TOBACCO AND CANNABIS

*Hannah Walsh\*, Ann McNeill, Maria Duaso*

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

Holiday Ballroom 2 (East Building, Second Floor)

**Podium Presentation 3: Symposium 15 (SYM 15)**

**PREGNANCY AND ELECTRONIC NICOTINE DELIVERY SYSTEM (ENDS) USE – FROM PRECLINICAL TO PUBLIC HEALTH RESEARCH: WHAT DO WE KNOW? WHAT DO WE NEED TO KNOW?**

*Co-Chairs: Andrea Weinberger\* and Elise DeVito\**

*Audience: PH, C*

SYM15-1: USING INTERSECTIONALITY AND QUALITATIVE RESEARCH TO BETTER INFORM RESEARCH, CLINICAL WORK, AND POLICY RELATED TO ENDS USE DURING PREGNANCY AND POSTPARTUM

*Philip Smith\**



SYM15-2: ELECTRONIC NICOTINE DELIVERY SYSTEMS (ENDS) USE DURING PREGNANCY: COURSE OF USE AND PERINATAL OUTCOMES

*Elise DeVito\**

SYM15-3: IMPACT OF E-VAPOUR EXPOSURE DURING PREGNANCY ON HEALTH OUTCOMES IN OFFSPRING

*Hui Chen\**

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

Key Ballroom 1-6 (Main Building, Second Floor)

### **Podium Presentation 3: Paper Session 13 (POD 13)**

#### **RAPID FIRE: NOVEL TOBACCO CESSATION TREATMENTS IN ADULTS AND TEENS**

*Chair: Janice Tsoh*

*Audience: C*

POD13-1: TESTING AUGMENTED REALITY FOR EXTINCTION OF CUE-PROVOKED URGES TO SMOKE: INITIAL EVIDENCE FROM A CONTROLLED EXPERIMENT

*Min-Jeong Yang\*, Karen Brandon, Marloes Kleinjan, Laura Hernandez, Leslie Sawyer, Steven Sutton, Thomas Brandon, Christine Vinci*

POD13-2: TELEHEALTH DELIVERY OF A BRIEF SAVORING INTERVENTION FOR SMOKING CESSATION

*Amanda Palmer\*, Madeline Foster, Eric Garland, Nathaniel Baker, Amy Boatright, Brett Froeliger, Michael Saladin, Matthew Carpenter, Benjamin Toll*

POD13-3: VERY LOW NICOTINE CONTENT CIGARETTES AND CUE-PROVOKED CRAVINGS EFFECTS OF NICOTINE REDUCTION STRATEGY AND FACILITATING EXTINCTION

*Melissa Conn\*, Vani Simmons, Min-Jeong Yang, Steven Sutton, Leslie Sawyer, Thomas Brandon, Marco Cid, David Drobes*

POD13-4: PRELIMINARY FINDINGS SUPPORT GAMIFICATION AS A METHOD TO INCREASE ENGAGEMENT IN A SOCIAL MEDIA-BASED SMOKING CESSATION INTERVENTION

*Gary Humfleet\*, John Layton, Sharon Hall*

POD13-5: METHODS USED TO QUIT VAPING BY TEENS AND DEVELOPMENT OF A VIRTUAL REALITY PROGRAM TO HELP TEENS STOP VAPING

*Belinda Borrelli\*, Daniel Weinstein, Lisa Quintiliani, Romano Endrighi, Emily Jones, Joy Hart, Kandi Walker, Scott Hadland*

POD13-6: OUT OF THE HAZE AND INTO YOUR DMS: CO-CREATING AND PILOTING A VAPING CESSATION PROGRAM FOR TEENS DELIVERED THROUGH INSTAGRAM

*Danielle Ramo\*, Patricia Price, Michelle Bellon, Robin Hayashi, Denise Ho, Pamela Ling*



POD13-7: A PILOT STUDY OF NICOBLOC® AS A NOVEL INTERVENTION TO ENCOURAGE QUIT ATTEMPTS

*Karen Cropsey\*, Keith Chichester, Michelle Sisson, Sofia Mildrum Chana, Caitlin Wolford-Clevenger, Mickeah Hugley, Paige Palenski, Angela Nguyen, Peter Hendricks*

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

Holiday Ballroom 1 (East Building, Second Floor)

**Podium Presentation 3: Symposium 16 (SYM 16)**

**NEUROBIOLOGICAL EFFECTS OF NICOTINE IN THE VENTRAL TEGMENTAL AREA (VTA)**

*Co-Chairs: Melissa Herman\* and ManHua Zhu\**

*Audience: PC*

SYM16-1: CHANGES IN INHIBITORY SIGNALING IN CORTICOTROPIN-RELEASING FACTOR RECEPTOR 1 (CRF1) NEURONS IN MOUSE VENTRAL TEGMENTAL AREA FOLLOWING ELECTRONIC NICOTINE VAPOR EXPOSURE

*ManHua Zhu\*, ManHua Zhu, Jasmine Jahad, Neil Rogers, Melissa Herman*

SYM16-2: EXAMINING THE ROLE OF NICOTINE-INDUCED VENTRAL TEGMENTAL AREA KCC2 DOWNREGULATION IN DOPAMINE SIGNALING AND ADDICTIVE BEHAVIORS

*Alexey Ostroumov\*, Alexey Ostroumov*

SYM16-3: TOBACCO/ENDS FLAVORANTS ALTER MIDBRAIN DOPAMINE AND GABA NEURON FUNCTION AND CONTRIBUTE TO ADDICTION-RELATED BEHAVIORS

*Brandon Henderson\*, Brandon Henderson, Skylar Cooper*

SYM16-4: SEX-DEPENDENT PATTERNS IN NICOTINE SEEKING AND EFFECTS OF NICOTINE ON THE VTA PROTEOME

*Marina Picciotto\*, Angela Lee, Marina Picciotto, Shahid Mansuri, Rashaun Wilson, Sherry McKee, TuKiet Lam, Angus Nairn*





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

Holiday Ballroom 4 (East Building, Second Floor)

**Podium Presentation 3: Symposium 17 (SYM 17)**

**THE CENTRE OF RESEARCH EXCELLENCE ON ACHIEVING THE TOBACCO  
ENDGAME**

*Chair: Coral Gartner\**

*Audience: P*

**SYM17-1: THE SYNTHESISED EVIDENCE ON TOBACCO ENDGAME INTERVENTIONS**

*Coral Gartner\*, Cheneal Puljevic, Kylie Morphett, Marita Hefler, Billie Bonevski, Richard Edwards, Andrew Perusco, David Sellars, Georgia Carstensen, Md Arifuzzaman Khan, Ron Borland*

**SYM17-2: COULD DENICOTINISATION OF TOBACCO PRODUCTS IN NZ ACHIEVE LESS THAN 5% BY 2025**

*Tony Blakely\*, Driss Ait Ouakrim, Nick Wilson, Jennifer Summers*

**SYM17-3: FUTURE NICOTINE USE PREFERENCES OF CURRENT CIGARETTE SMOKERS: FINDINGS FROM THE 2020 ITC FOUR COUNTRY SMOKING AND VAPING SURVEY**

*Ron Borland\*, Lin Li, Michael Le Grande, Coral Gartner*

**SYM17-4: DO NICOTINE VAPING PRODUCTS INCREASE QUITTING AMONG PRIORITY POPULATION GROUPS OVER STANDARD SMOKING CESSATION THERAPY? A PRAGMATIC RANDOMISED PARTIAL CROSS-OVER TRIAL**

*Kylie Morphett\*, Mark Boyd, Cheneal Puljevic, Charles Gilks, Billie Bonevski, Ron Borland, Ryan Courtney, Hayden McRobbie, Coral Gartner*

**SYM17-5: Discussant**

*Ruth Malone\**

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

Holiday Ballroom 6 (East Building, Second Floor)

**Refreshment Break**

Friday



9:45 a.m. - 10:45 a.m.

Key Ballroom 1-6 (Main Building, Second Floor)

**John Slade Award Winner and Public Health Theme Lecture: Monitoring The Evolving Tobacco/Nicotine Marketplace: Lessons Learned And Future Priorities To Reduce Tobacco-Caused Morbidity And Mortality**

**Session Chair:** Jennifer Pearson, PhD, MPH

**Presenter:** Christine Delnevo, PhD, Director, Rutgers Center for Tobacco Studies, Professor, Department of Health Behavior, Society & Policy, Rutgers School of Public Health, Senior Advisor, Tobacco Control Rutgers Cancer Institute of New Jersey

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

Holiday Ballroom 6 (East Building, Second Floor)

**Refreshment Break**

11:00 a.m. - 12:30 p.m.

Holiday Ballroom 4 (East Building, Second Floor)

**Podium Presentation 3: Symposium 18 (SYM 18)**

**TOBACCO USE GENOMICS IN MULTI-ANCESTRY POPULATIONS: EMPHASIZING DIVERSITY TO REDUCE HEALTH DISPARITIES**

*Co-Chairs: Meghan Chenoweth\* and Rebecca Richmond\**

*Audience: C, HE, PC, PH*

SYM18-1: USING GENOMIC AND EPIGENOMIC VARIATION ASSOCIATED WITH NICOTINE METABOLISM TO TAILOR TOBACCO CESSATION TREATMENT IN AMERICAN INDIAN AND ALASKA NATIVE PEOPLE

*Katrina Claw\**

SYM18-2: ALCOHOL AND TOBACCO POLYGENIC RISK SCORE PREDICTION WITHIN AND ACROSS DIVERSE ANCESTRIES

*Gretchen Saunders\**

SYM18-3: GENETIC SCORES AND BIOMARKERS INFORM PRECISION PREVENTION AND PRECISION TREATMENT

*Li-Shiun Chen\*, Timothy Baker, Laura Bierut*

SYM18-4: PREDICTED NICOTINE BIOMARKERS AND TRANSLATIONAL RESEARCH IN MULTI-ETHNIC POPULATIONS

*Andrew Bergen\*, Carolyn Ervin, Christopher McMahan, James Baurley*



SYM18-5: USE OF GENOMIC RISK TO MOTIVATE BEHAVIORAL CHANGE AMONG PEOPLE WHO SMOKE

*Laura Bierut\*, Alex Ramsey, Li-Shiun Chen*

11:00 a.m. - 12:30 p.m.

Holiday Ballroom 1 (East Building, Second Floor)

**Podium Presentation 3: Symposium 19 (SYM 19)**

**IMPACT OF MENTHOL E-CIGARETTE FLAVORING ON ACCEPTABILITY AND USE IN RACIAL/ETHNIC MINORITY SMOKERS**

*Chair: Jasjit Ahluwalia\**

*Audience: HE, PH*

SYM19-1: CHARACTERIZING E-CIGARETTE USE, FLAVORS, AND REASONS FOR USE BY MENTHOL CIGARETTE STATUS AND RACE/ETHNICITY AMONG US ADULTS (PATH DATA 2016-2018)

*Krysten Bold\*, Eugenia Buta, Asti Jackson, Sakinah Suttiratana, Patricia Simon, Ralitza Gueorguieva, Stephanie O'Malley, Suchitra Krishnan-Sarin*

SYM19-2: IMPACT OF E-LIQUID FLAVOR ON ABUSE LIABILITY AMONG NON-HISPANIC BLACK AND WHITE MENTHOL SMOKERS

*Eleanor Leavens\*, Leah Lambert, Nikki Nollen*

SYM19-3: DOES MENTHOL FLAVORING HELP BLACK AND LATINX ADULT MENTHOL COMBUSTIBLE CIGARETTE SMOKERS SWITCH TO E-CIGARETTES?: SECONDARY ANALYSES FROM A RANDOMIZED CLINICAL TRIAL

*Nikki Nollen\*, Leah Lambert, Eleanor Leavens, Jasjit Ahluwalia, Myra Rice, Kim Pulvers*

SYM19-4: DISCUSSANT

*Suchitra Krishnan-Sarin\**

11:00 a.m. - 12:30 p.m.

Key Ballroom 1-6 (Main Building, Second Floor)

**Podium Presentation 3: Symposium 20 (SYM 20)**

**DUAL USE OF CIGARETTES AND ENDS IN THE PATH STUDY: TRANSITIONS IN DUAL USE PATTERNS, NICOTINE DEPENDENCE, USE TRAJECTORIES, AND CESSATION (2013-2019)**

*Co-Chairs: Nicolette Borek\* and Heather Kimmel\**

*Audience: PH*

SYM20-1: DUAL USE OF CIGARETTES AND ENDS IN THE PATH STUDY: TRANSITIONS IN DUAL USE PATTERNS, NICOTINE DEPENDENCE, USE TRAJECTORIES, AND CESSATION (2013-2020)

*Nicolette Borek, Heather Kimmel, and Andrew Hyland, on behalf of the entire PATH Study team*

**Audience Key:** PC: Pre-Clinical; C: Clinical; PH: Public Health/Epidemiology; P: Policy



SYM20-2: TRANSITIONS IN CIGARETTE/ENDS DUAL USE PATTERNS AMONG ADULTS IN THE UNITED STATES, 2016 - 2019

*Eva Sharma\**

SYM20-3: INDICATORS OF TOBACCO DEPENDENCE AMONG YOUTH IN THE UNITED STATES, 2013

*David Strong\**

SYM20-4: ADOLESCENT TO YOUNG ADULT E-CIGARETTE AND CIGARETTE USE TRAJECTORIES IN THE UNITED STATES, 2013 - 2020

*Cassandra Stanton\**

SYM20-5: ENDS USE AMONG ADULT CIGARETTE SMOKERS WITH NO PLANS TO EVER QUIT SMOKING IN THE UNITED STATES, 2014 - 2019

*Karin Kasza\**

11:00 a.m. - 12:30 p.m.

Holiday Ballroom 2 (East Building, Second Floor)

**Podium Presentation 3: Symposium 21 (SYM 21)**

**OPT-OUT TREATMENT FOR NICOTINE DEPENDENCE: FEASIBILITY, IMPLEMENTATION, AND CESSATION**

*Chair: Laura Martin\**

*Audience: C*

SYM21-1: EXPERIENCE IN IMPLEMENTING AN OPT-OUT SMOKING CESSATION SERVICES AT THE MEDICAL UNIVERSITY OF SOUTH CAROLINA

*K. Michael Cummings\*, Benjamin Toll, Graham Warren*

SYM21-2: SCALING OF OPT-OUT APPROACHES TO SMOKING CESSATION IN CANCER CARE: EXAMPLES AT THE INSTITUTIONAL, REGIONAL, AND NATIONAL LEVELS

*Graham Warren\**

SYM21-3: THE IMPACT OF CHANGING THE DEFAULT FOR HOSPITAL TOBACCO TREATMENT ON PATIENT PERCEPTIONS, TREATMENT UTILIZATION, AND ABSTINENCE

*Kimber Richter\*, Delwyn Catley, Byron Gajewski, Edward Ellerbeck, Babalola Faseru, Taneisha Scheuermann, Laura Mussulman, Niaman Nazir, Chauanwu Zhang, Laura Martin, Elena Shergina*

SYM21-4: A BEHAVIORAL ECONOMIC INTERVENTION TO INCREASE PSYCHIATRIST ADHERENCE TO TOBACCO TREATMENT GUIDELINES: A PROVIDER-RANDOMIZED TRIAL

*Erin Rogers\*, Christina Wysota, Judith Prochaska, Craig Tenner, Joanna Dognin, Binhuan Wang, Scott Sherman*

SYM21-5: EXPANSION OF TOBACCO CESSATION TREATMENT WITHIN THE STANFORD CANCER INSTITUTE

*Judith Prochaska\*, Amy Chieng, Maura Chandler, Cindy Tran, Brittany Pike*



11:00 a.m. - 12:30 p.m.

Holiday Ballroom 5 (East Building, Second Floor)

**Podium Presentation 3: Paper Session 14 (POD 14)**

**CIGARETTES AND E-CIGARETTES: TOXICITY AND DISEASE**

*Chairs: Thomas Gould and Melissa Blank*

*Audience: PC, C*

POD14-1: SEX-DEPENDENT EFFECTS OF PRENATAL EXPOSURE TO THIRDHAND SMOKE ON THROMBOSIS-BASED DISEASE STATES

*Hamdy Ali, Ahmed Alarabi, Zubair Karim, Victor Rodriguez, Keziah Hernandez, Patricia Lozano, Medhat El-Halawany, Leticia Rodrigues, Daniel Villalobos-García, Fatima Alshbool, Fadi Khasawneh\**

POD14-2: POWER- VERSUS TEMPERATURE-CONTROLLED ELECTRONIC CIGARETTES: IMPLICATIONS FOR EMISSIONS TESTING AND EXPOSURE

*Rola Salman, Soha Talih, Nareg Karaoghlanian\*, Alan Shihadeh*

POD14-3: EVALUATING CELLULAR TOXICITY OF CURRENT DISPOSABLE VAPES

*Alexis Voeller\*, Maria Sassano, Robert Tarran*

POD14-4: EXOSOMES ARE PATHOGENIC ENTITIES THAT DRIVE TISSUE REMODELING DURING CONVENTIONAL SMOKING

*Matthew Madison\*, Camilla Margarolli, Amit Gaggar, J, Edwin Blalock*

POD14-5: CHRONIC HIV-1 TAT EXPOSURE ALTERS NICOTINE DEPENDENCE IN MICE

*M. Imad Damaj\**

POD14-6: COMPARATIVE TOXICOLOGICAL RISK-ASSESSMENT OF MENTHOL AND TOBACCO FLAVORS FOR E-CIGARETTE REGULATORY STANDARDIZATION

*Thivanka Muthumalage\*, Irfan Rahman*

11:00 a.m. - 12:30 p.m.

Holiday Ballroom 3 (East Building, Second Floor)

**Podium Presentation 3: Paper Session 15 (POD 15)**

**LESSONS FROM DIVERSE POLICY IMPLEMENTATION ACROSS THE GLOBE**

*Chair: Hua Yong*

*Audience: P, PH*

POD15-2: IMPLEMENTATION BARRIERS AND FACILITATORS OF THE 2019 TOBACCO FLAVOR RESTRICTION LAW IN MASSACHUSETTS

*Andy Tan\*, Jane Roberts, Karen Emmons, Jonathan Winickoff, Jessica Liu, Elaine Hanby, Matthew Reynolds, Daniel Gundersen, Mark Gottlieb*

Friday



POD15-3: PROTECTING NONSMOKERS FROM TOBACCO SMOKE PENETRATION IN MULTI-UNIT APARTMENT BUILDINGS - PROGRESS VIA LITIGATION IN ISRAEL

*Laura Rosen\*, Amos Haunser, Vicki Myers Gamliel*

POD15-4: THE FACILITATORS AND BARRIERS TO TOBACCO CONTROL POLICIES AND THEIR IMPLEMENTATION IN FIVE LMIC'S- A QUALITATIVE ANALYSIS

*Mariam Khokhar\*, Anna-Marie Marshall, Kamran Siddiqi, Sarah Hill, Shirley Crankson, Rashmi Mehra, Ziauddin Islam, Jeff Collins, Helen Elsey*

POD15-5: AN EVALUATION OF FCTC 2030- A PROGRAMME TO ACCELERATE THE IMPLEMENTATION OF THE WHO FRAMEWORK CONVENTION FOR TOBACCO CONTROL IN LOW- AND MIDDLE-INCOME COUNTRIES

*Kamran Siddiqi\*, Helen Elsey, Mariam Khokhar, Anna- Marie Marshall, Subhash Pokhrel, Monika Arora, Shirley Crankson, Rashmi Mehra, Paola Morello, Jeff Collins, Geoffrey Fong*

POD15-6: UNREGULATED-FINDINGS FROM SMOKELESS TOBACCO SUPPLY CHAIN RESEARCH IN PAKISTAN

*Fayaz Ahmad\*, Zohaib Khan, Hajo Zeb, Sarah Forberger, Melanie Boeckmann, Muhammad Khan, Steffen Dreger, Kamran Siddiqi*

POD15-7: A QUALITATIVE ANALYSIS OF SMOKING RESUMPTION AMONG FORMER ENDS USERS

*Lindsay Robertson, Kealey-Rei Sanford, Andrew Waa, Janet Hoek\**

12:30 p.m. - 2:00 p.m.

Key Ballroom 7-12 (Main Building, 2nd Floor)

**Poster Session 5**



## **ON-DEMAND PAPERS (Pre-Recorded Paper “Plus”)**



## ON-DEMAND PAPERS

*Because of social distancing concerns and hotel space in Baltimore, approximately 60 percent of accepted papers are being presented in-person over the course of the 2022 Annual Meeting.*

*The remaining 40 percent of accepted papers have been pre-recorded and are available to all conference registrants on demand. To access the pre-recorded On-Demand Papers (PP), visit SRNT Central Online at <https://cattendee.abstractsonline.com/meeting/10531>. There registrants will have access to all on-demand content, including 100+ pre-recorded On-Demand Papers as well as all posters in the Poster Gallery.*

*On-Demand Paper presenters have the option of being available for Q&A during Poster Session 4 from 4:45 p.m.-6:15 p.m. EDT, on Thursday, March 17.*

4:45 p.m. - 6:15 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

### **On-Demand Papers: Pre-Recorded Paper “Plus”**

*Audience: PH, P, C, PC, HE*

**PP-1:** A PILOT RANDOMISED TRIAL OF A BRIEF VIRTUAL REALITY SCENARIO IN SMOKERS UNMOTIVATED TO QUIT: ASSESSING THE FEASIBILITY OF RECRUITMENT

*Olga Perski\*, Trupti Jambharunkar, Jamie Brown, Dimitra Kale*

**PP-2:** RANDOMIZED CONTROLLED TRIAL OF A TAILORED WEB AND TEXT MESSAGE INTERVENTION FOR SMOKING CESSATION IN SOCIOECONOMICALLY-DISADVANTAGED YOUNG ADULT CIGARETTE SMOKERS

*Andrea C. Villanti\*, Catherine Peasley-Miklus, Elias M. Klemperer, S. Elisha LePine, Julia C. West, Sarah Cha, Darren Mays, Robin Mermelstein, Stephen T. Higgins, Amanda L. Graham*

**PP-4:** DO HARM PERCEPTIONS OF NICOTINE REPLACEMENT THERAPY RELATIVE TO CIGARETTE SMOKING PREDICT ITS USE AS AN AID FOR SMOKING CESSATION? FINDINGS FROM THE ITC FOUR COUNTRY SMOKING AND VAPING SURVEYS

*Hua Yong\*, Scott Tagliaferri, Shannon Gravely, Ron Borland, Michael Cummings, Katherine East, Andrew Hyland, Maansi Bansal-Travers, Geoffrey Fong*

**PP-5:** DIFFERENCES BETWEEN DAILY SMOKERS WHO DO AND DO NOT CO-USE CANNABIS: FINDINGS FROM THE 2020 ITC SMOKING AND VAPING SURVEY

*Shannon Gravely\*, Pete Driezen, Erin McClure, Geoffrey T. Fong, Gary Chan, Eric N. Lindblom, Andrew Hyland, David Hammond, K. Michael Cummings, Ron Borland, Ann McNeill, Anne C.K. Quah, Gillian L. Schauer, Danielle M. Smith*

**PP-6:** CARCINOGENIC AND TOBACCO SMOKE DERIVED PARTICULATE MATTER BIOMARKER UPTAKE AND ASSOCIATED HEALTHCARE PATTERNS AMONG PEDIATRIC EMERGENCY DEPARTMENT PATIENTS

*Ashley L. Merianos\*, Roman A. Jandarov, E. Melinda Mahabee-Gittens*





4:45 p.m. - 6:15 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

**On-Demand Papers: Pre-Recorded Paper “Plus”**

**PP-7: SMOKING CESSATION TREATMENT MECHANISMS- EVALUATING WITHDRAWAL RELIEF AS A MEDIATOR OF VARENICLINE EFFICACY**

*Sarah Tonkin\*, Craig Colder, Martin Mahoney, Gary Swan, Paul Cinciripini, Robert A. Schnoll, Tony P. George, Rachel Tyndale, Caryn Lerman, Larry Hawk*

**PP-8: RESULTS OF THE OASIS TRIAL: IMPLEMENTATION OF SMOKING CESSATION SERVICES WITHIN NCORP COMMUNITY SITES WITH ORGANIZED LUNG CANCER SCREENING PROGRAMS**

*Kristie Foley\*, Kathryn Weaver, Emily Dressler, Carol Kittel, David Miller, Erin Sutfin, Christina Bellinger, John Spangler, Rebecca Stone, Glenn Lesser, Caroline Chiles*

**PP-9: A SMART TRIAL OF SMOKING CESSATION INTERVENTIONS IN THE CONTEXT OF LUNG CANCER SCREENING: PLUTO STUDY RESULTS**

*Anne Joseph\*, Steven Fu, Alex Rothman, Abbie Begnaud, Bruce Lindgren, Kelsey Schertz, David Vock, David Haynes, Anne Melzer*

**PP-10: NCI SMOKING CESSATION AT LUNG EXAMINATION (SCALE) TRIALS: BASELINE CHARACTERISTICS AND COMPARISON WITH THE US GENERAL POPULATION OF LUNG CANCER SCREENING ELIGIBLE PATIENTS**

*Rafael Meza\*, Jihyoun Jeon, Evelyn Jimenez-Mendoza, Yoonseo Mok, Pianpian Cao, Kristie Foley, Caroline Chiles, Jamie Ostroff, Paul M. Cinciripini, Jennifer Minnix, Nancy Rigotti, Jennifer Haas, Kathryn Taylor, Randi Williams, Benjamin Toll, Anne Joseph*

**PP-11: READINESS AND CAPACITY OF LUNG CANCER SCREENING SITES TO DELIVER TOBACCO USE TREATMENT**

*Jamie Ostroff\*, Donna Shelley, Kathryn Taylor, Randi Williams, Emily Dressler, Carol Kittel, Kathryn Weaver, Kristie Foley*

**PP-12: CHARACTERISTICS OF REGISTERED CLINICAL TRIALS EVALUATING THE ROLE OF E-CIGARETTES IN CESSATION OR REDUCTION OF CIGARETTE SMOKING**

*Krysten W. Bold\*, Felicia Y. Hung, Joshua D. Wallach, Stephanie S. O'Malley*

**PP-13: GENOME-WIDE METHYLATION OF SMOKERS AND EX-SMOKERS IS ASSOCIATED WITH COGNITIVE PERFORMANCE**

*Merideth Addicott\*, Ping-Ching Hsu, Joseph Su, Stacey Daughters, Daniel Acheampong, Michael Bauer*

**PP-14: TOBACCO TREATMENT OUTCOMES FOR HOSPITAL PATIENTS WITH AND WITHOUT MENTAL HEALTH DIAGNOSES**

*Brandon T. Sanford\*, Alana M. Rojewski, Madeline G. Foster, Amanda M. Palmer, Michael Cummings, Stephanie Stansell, Benjamin A. Toll*



4:45 p.m. - 6:15 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

**On-Demand Papers: Pre-Recorded Paper “Plus”**

**PP-15:** PAIN INTENSITY AS A PREDICTOR OF CIGARETTE AND E-CIGARETTE USE/CO-USE ACROSS WAVES 1-4 OF THE POPULATION ASSESSMENT OF TOBACCO AND HEALTH (PATH) STUDY: THE MODERATING ROLE OF SEX

*Jessica Powers\*, Stephen A. Maisto, Michael J. Zvolensky, Joseph W. Ditte*

**PP-16:** A META-ANALYSIS OF THE EFFICACY OF SMOKELESS TOBACCO FOR SMOKING CESSATION

*Daniel Stjepanovic\*, Preeti Phartiyal, Janni Leung, Carmen Lim, Tianze Sun, Jack Chung, Coral Gartner, Wayne Hall, Gary C. K. Chan*

**PP-17:** UTILIZATION AND EFFICACY OF SMARTPHONE APPLICATIONS FOR SMOKING CESSATION AMONG LOW-INCOME SMOKERS. ANALYSIS OF THE ICANQUIT RANDOMIZED CONTROLLED TRIAL

*Margarita Santiago-Torres\*, Kristin E. Mull, Brianna M. Sullivan, Diana M. Kwon, Darla E. Kendzor, Jonathan B. Bricker*

**PP-18:** EXAMINING THE IMPACT OF ECOLOGICAL MOMENTARY ASSESSMENT ON SMOKING CESSATION IN A PUBLICLY AVAILABLE CESSATION SMARTPHONE APPLICATION

*Kara P. Wiseman\*, Alexandra Budenz, Jessica Smith, Leeann Nicole Siegel, Yvonne Prutzman*

**PP-19:** DEVELOPMENT OF AN AUTOMATED VIDEO-ASSISTED SMOKING TREATMENT FOR PEOPLE WITH HIV

*Damon Vidrine\*, Thanh C. Bui, Kristina Bowles, Jennifer I. Vidrine*

**PP-20:** ‘LOVE MY LUNGS’ - A SMOKE-FREE HOME INTERVENTION FOR FAMILIES OF BABIES ADMITTED TO NEONATAL INTENSIVE CARE

*Caitlin Notley\*, Emma Ward*

**PP-21:** DEVELOPMENT AND ANALYSIS OF TOBACCO TREATMENT MEASURES FOR CANCER REGISTRIES FOR LONGER-TERM QUALITY IMPROVEMENT

*Tresza D. Hutcheson\*, Tim Metcalf, Lisa Sanderson Cox, Edward F. Ellerbeck, Kimber P. Richter*

**PP-22:** RANDOMIZED CONTROLLED TRIAL OF A MINIMUM VIABLE PRODUCT (MVP) DIGITAL THERAPEUTIC FOR SMOKING CESSATION

*Erika Litvin Bloom\*, Brian Iacoviello, Olya Besedina, Shaheen E. Lakhan*

**PP-23:** EMISSIONS FROM CONVENTIONAL CIGARETTES AND IQOS HEETS: A COMPARATIVE STUDY ASSESSING THE IMPACT OF MORE INTENSE SMOKING PARAMETERS ON EMISSION COMPOSITION

*Michele Davigo\*, Walther N.M. Klerx, Antoon Opperhuizen, Reinskje Talhout, Frederik-Jan van Schooten, Alexander H. Remels*



4:45 p.m. - 6:15 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

**On-Demand Papers: Pre-Recorded Paper “Plus”**

**PP-26:** SEX/GENDER DIFFERENCES IN TRIGGERS FOR THINKING ABOUT QUITTING SMOKING. FINDINGS FROM THE INTERNATIONAL TOBACCO CONTROL (ITC) NETHERLANDS SURVEY

*Gera Nagelhout, Nikita Poole\*, Cloé Geboers, Tessa Magnée, Anne Marije Kaag, Floor van den Brand, Bas van den Putte, Hein de Vries, Geoffrey Fong, Marc Willemsen*

**PP-27:** PREVALENCE OF CURRENT LARGE CIGAR VERSUS LITTLE CIGAR/CIGARILLO SMOKING AT THE INTERSECTION OF AGE AND RACE/ETHNICITY AMONG U.S. ADULTS, 2018-2019  
*Lilianna Phan\*, Timothy S. McNeel, Kelvin Choi*

**PP-28:** U.S. TOBACCO USE DISPARITIES AND THE HEALTH OF VULNERABLE PATIENTS IN THE TOBACCO ENDGAME

*Douglas E. Levy\*, Stephanie S. Lee, Fatma M. Shebl, Yiqi Qian, Sydney L. Goldberg, Emily P. Hyle, Jessica E. Becker, Krishna P. Reddy*

**PP-29:** SOCIODEMOGRAPHIC DISPARITIES IN TOBACCO RETAILER DENSITY IN THE UNITED STATES, 2000 - 2017

*Sarah D. Mills\*, Amanda Y. Kong, Alexandria E. Reimold, Chris D. Baggett, Christopher A. Wiesen, Shelley D. Golden*

**PP-30:** SOCIOECONOMIC STATUS ACROSS THE LIFE COURSE AND SMOKING TRAJECTORIES OF OLDER ADULT SMOKERS IN THE U.S.

*Jaqueline C. Avila\*, Ezinwa Osuoha, Sangah Lee, Dale Dagar Maglalang, Alexander Sokolovsky, Jasjit S. Ahluwalia*

**PP-31:** THE DIFFERENTIAL IMPACT OF THE 2000 CANADIAN GRAPHIC WARNING LABEL POLICIES ON SMOKING PREVALENCE BY SEX AND EDUCATION - A DIFFERENCE-IN-DIFFERENCE MODEL

*Bukola Usidame\*, Gang Meng, James Thrasher, Mary E. Thompson, Geoffrey Fong, Nancy Fleischer*

**PP-33:** CORRELATES OF AWARENESS AND SUPPORT FOR E-CIGARETTE AND HTPS BANS AMONG MEXICAN SMOKERS

*Lizeth Cruz-Jiménez\*, Inti Barrientos-Gutiérrez, Katia Gallegos-Carrillo, Edna Arillo-Santillán, Rosibel Rodríguez-Bolaños, James F. Thrasher*

**PP-34:** DIFFERENCES IN RESPONSES TO A MENTHOL CIGARETTE BAN ACROSS MENTHOL AND NON-MENTHOL YOUNG ADULT CIGARETTE SMOKERS AND VULNERABLE SUB-GROUPS OF MENTHOL SMOKERS

*Taylor Niznik\*, Sarah J. Ehlke, Janet Audrain-McGovern, James G. Murphy, Delaney Dunn, Whitney Cotten, Riley Wyatt, Michael A. Smith, Wallace Pickworth, Andrea Villanti, Amy M. Cohn*

**PP-35:** PREEMPTION IN U.S. STATE MLSA LAWS, 2021 UPDATE

*Page D. Dobbs\*, Ginny Chadwick, Renae Merrill, Eric Schisler, Lisa Henriksen*

**Audience Key:** PC: Pre-Clinical; C: Clinical; PH: Public Health/Epidemiology; P: Policy



4:45 p.m. - 6:15 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

**On-Demand Papers: Pre-Recorded Paper “Plus”**

**PP-36: IMPACT OF E-CIGARETTE USE ON CIGARETTE QUITTING BEHAVIORS IN BLACK SMOKERS**

*Asti Jackson\*, Mary E. Fleischli, Angela Haeny, Meg Gerrard, Frederick X. Gibbons*

**PP-37: HETEROGENEITY IN E-CIGARETTE USE AMONG ASIAN AMERICAN ADOLESCENTS IN MINNESOTA**

*April K. Wilhelm\*, Steven Fu, Patrick Hammett, Marla E. Eisenberg, Rebekah J. Pratt, Michele L. Allen*

**PP-38: THE IMPACT OF CAREGIVER’S TOBACCO PRODUCT USE ON E-CIGARETTE USE AMONG BLACK ADULTS**

*Angela Haeny\*, Mary Fleischli, Asti Jackson, Stephanie O’Malley, Meg Gerrard, Rick Gibbons, Abigail Friedman*

**PP-39: TACTICS USED SYSTEMATICALLY BY BIG TOBACCO THAT ATTRACT CHILDREN AND YOUTH AT TOBACCO POINTS-OF-SALE**

*Jennifer L. Brown\*, Debra Rosen, Maria Carmona, Mark Hurley, Natalia Parra, Joanna E. Cohen*

**PP-40: UNDERSTANDING DISPARITIES IN LUNG CANCER SCREENING AMONG LOW-INCOME SMOKERS IN AN URBAN HEALTH CENTER IN SOUTHERN CALIFORNIA**

*David R. Strong\*, Elizabeth Brighton, Aaron Tam, Job Godino, Kimberly Brouwer, Charles Smoot, Eva Matthews, Paloma Mohn, Carrie Kirby, Shu-Hong Zhu, Jie Liu*

**PP-41: NEIGHBORHOOD TOBACCO RETAIL ACCESS AND COGNITIVE TOBACCO USE RISK FACTORS IN YOUNG ADOLESCENTS IN URBAN INDIA**

*Ritesh Mistry\*, Mike J. Kleinsasser, Namrata Puntambekar, Prakash C. Gupta, William J. McCarthy, Trivellore Raghunathan, Keyuri Adhikari, Sameer Narake, Hsing-Fang Hsieh, Maruti Desai, Shervin Assari, Joseph Alberts, Mangesh S. Pednekar*

**PP-42: TOBACCO USE IN MIDDLE-CLASS PEOPLE OF COLOR: FROM SOCIAL EPIDEMIOLOGY TO BRAIN CIRCUITS**

*Shervin Assari\**

**PP-43: CIGARETTE PRICES BEFORE AND AFTER STATE AND LOCAL TOBACCO TAX AND PRICE POLICIES IN BAY AREA CITIES 2014-2020**

*Vira Pravosud\*, Louisa Holmes, Lauren Lempert, Pamela Ling*

**PP-45: HOW TALKING ABOUT CIGARETTE WARNING LABELS INFLUENCES SUBSEQUENT QUIT ATTEMPTS. A MEDIATION ANALYSIS OF TOPICS OF CONVERSATIONS AMONG MEXICAN SMOKERS**

*Katia Gallegos-Carrillo\*, Edna Judith Arillo-Santillan, Inti Barrientos-Gutierrez, Lizeth Cruz-Jiménez, Rosibel Rodríguez-Bolaños, James Thrasher*



4:45 p.m. - 6:15 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

**On-Demand Papers: Pre-Recorded Paper “Plus”**

**PP-46:** RESISTANCE SELF EFFICACY MEDIATES THE RELATIONSHIPS BETWEEN TOBACCO SMOKING OUTCOME EXPECTANCY AND THE DESIRE TO QUIT TOBACCO SMOKING AMONG SAUDI GIRLS

*Abdullah M. Alanazi\*, Shahad F. Almutairi, Alanoud A. Alsarami, Fay J. Alanazi, Lama H. Alqahtani*

**PP-47:** TOBACCO PRODUCT DISPLAY IN RETAIL SETTINGS IN SILIGURI, INDIA

*Ryan David Kennedy\*, Sejal Saraf, Kathy Wright, Joshua Sinamo, Nidhi Sejpai Pouranik, Ashish Pandey, Rana Jugdeep Singh, Joanna Cohen*

**PP-48:** USING PUBLIC INVOLVEMENT TO QUALITATIVELY EXPLORE LAY PERSPECTIVES ON A CHANGING LANDSCAPE OF TOBACCO AND NICOTINE USE AND TOBACCO CONTROL POLICIES

*Sharon Cox\*, Jamie Brown, Loren Kock, Lesley Miller, Caitlin Notley, Kizzy Richards, Lion Shahab*

**PP-49:** VAPING PRODUCTS AND PROMOTIONAL AND LABELLING PRACTICES IN CANADA BEFORE AND AFTER PROVINCIAL RESTRICTIONS ON NICOTINE CONCENTRATION AND FLAVOURS: A SCAN OF THE ONLINE RETAIL MARKET

*Katherine East\*, Kimberly D'Mello, Danielle Wiggers, Syed Mahamad, David Hammond*

**PP-50:** IMPLEMENTATION STRATEGIES FOR SMOKE-FREE PUBLIC HOUSING TO PROMOTE BETTER OUTCOMES

*Boram Lee\*, Vicki C. Fung, Jonathan P. Winickoff, Nancy Rigotti, David C. Cheng, Radhika R. Shah, Claire McGlave, Sydney L. Goldberg, Glory Song, Jacqueline Doane, Melody Kingsley, Patricia Henley, Sanouri A. Ursprung, Christopher Banthin, Douglas E. Levy*

**PP-51:** THE HYPOTHETICAL IMPACT OF VAPING PRODUCT REGULATIONS ON VAPE SHOP CUSTOMER BEHAVIOR CHANGE INTENTIONS: OPINIONS OF VAPE SHOP RETAILERS IN LOS ANGELES COUNTY

*Olena Les, Heesung Shin, Nichelle Brown, Sabrina L. Smiley\**

**PP-52:** OUTDOOR SMOKING AS A NUISANCE TO NON-SMOKERS. THE CASE FOR SMOKE-FREE OUTDOOR PUBLIC SPACES IN URBAN AREAS

*Jeroen Bommelé\*, Bethany Hipple Walters, Saskia Van Dorsselaer, Marc Willemsen*

**PP-53:** TOBACCO SERVICES AND SMOKE-FREE POLICIES IN MENTAL HEALTH AND SUBSTANCE ABUSE TREATMENT FACILITIES IN THE MIDWEST

*Nathalia Munck Machado\*, Rick Cagan, Tony Stelter, Janet Jackson, Kimber Richter*

**PP-54:** PUBLIC PERCEPTIONS OF TOBACCO RETAIL REDUCTION POLICIES IN NEW ZEALAND

*Louise Marsh\*, Robib Quigg, Jerram Bateman*



4:45 p.m. - 6:15 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

**On-Demand Papers: Pre-Recorded Paper “Plus”**

**PP-55:** IQOS MARKETING STRATEGIES AT POINT-OF-SALES - A CROSS-SECTIONAL SURVEY WITH RETAILERS

*Yael Bar-Zeev\*, Carla Berg, Amal Khayat, Katelyn F. Romm, Christina N. Wysota, Lorien C. Abrams, Daniel Elbaz, Hagai Levine*

**PP-56:** A THEMATIC ANALYSIS OF ARGUMENTS ADVANCED IN TWEETS PROMOTING WORLD VAPE DAY 2020

*Lindsay Robertson, Ell Lee, Elizabeth Fenton, Ayush Joshi, Karen Evans-Reeves, Janet Hoek\**

**PP-57:** A SOCIAL NETWORK ANALYSIS OF E-CIGARETTE BRANDS AND SOCIAL MEDIA INFLUENCERS ON INSTAGRAM

*Julia Vassey\*, Joshua Barker, Thomas Valente, Cassandra Stanton, Dongmei Li, Linnea Laestadius, Tess Boley Cruz, Jennifer Unger*

**PP-58:** NEW TOBACCO AND NICOTINE PRODUCTS IN LATIN AMERICA AND THE CARIBBEAN: ASSESSING THE MARKET AND REGULATORY ENVIRONMENT

*Gianella Severini\*, Eric Crosbie, Alexandra Beem, Brian Tran, Ernesto M. Sebrie*

**PP-59:** WHAT IMPACT DOES A TOBACCO RETAILER PROXIMITY LIMIT HAVE ON TOBACCO AVAILABILITY IN NEW ZEALAND?

*Louise Marsh\*, Crile Doscher, Ella Iosua, Robin Quigg, Melanie Tomintz*

**PP-60:** HEATED TOBACCO PRODUCT USE OVER TIME, ITS CORRELATES, AND REASONS FOR USE AMONG MEXICAN SMOKERS AND VAPERS

*Lizeth Cruz-Jiménez\*, Inti Barrientos-Gutiérrez, Luis Zavala-Arciniega, Edna Arillo-Santillán, Katia Gallegos-Carrillo, Rosibel Rodríguez-Bolaños, Shannon Gravely, James F. Thrasher*

**PP-61:** IT IS REALLY GROSS, BUT IN A GOOD WAY, IT GETS THE MESSAGE ACROSS, THIS COULD BE YOU - EVALUATING WATERPIPE SPECIFIC HEALTH WARNING LABELS AMONG YOUNG PEOPLE IN THE US: A FOCUS GROUP STUDY

*Taghrid Asfar, Michael Schmidt, Alejandra Casas\*, Oluwanya J. Oluwole, Laura McClure, Richard J. Thurer, Ian Abrams, Wei Li, Zoran Bursac, Wasim Maziak*

**PP-62:** HARM PERCEPTIONS AND BEHAVIORAL INTENTIONS IN RESPONSE TO SMOKELESS TOBACCO GRAPHIC HEALTH WARNING LABELS IN BANGLADESH

*Laura E. Kroart\*, Lauren Czaplicki, Sejal Saraf, A.B.M. Rasheduzzaman, Mohammad Shamimul Islam, Joanna Cohen*

**PP-63:** PERCEIVED EFFECTIVENESS OF WATERPIPE-SPECIFIC HEALTH WARNING LABELS AMONG YOUNG ADULTS IN THE US: RESULTS FROM AN ONLINE SURVEY

*Taghrid Asfar, Alejandra Casas\**





4:45 p.m. - 6:15 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

**On-Demand Papers: Pre-Recorded Paper “Plus”**

**PP-64:** BEHAVIORAL INTENTIONS IN RESPONSE TO A POTENTIAL MENTHOL BAN A STUDY OF MENTHOL SMOKERS LIVING IN PUBLIC HOUSING

*Craig Dearfield\*, Kimberly Horn, Ian Crandell, Debra Bernat*

**PP-65:** DISPARITIES IN CIGARETTE, E-CIGARETTE AND CIGAR USE AT THE INTERSECTION OF MULTIPLE IDENTITIES IN THE U.S ADULT POPULATION. RESULTS FROM THE TUS-CPS 2018-2019 SURVEY

*Luis Zavala-Arciniega\*, Rafael Meza, Jana L. Hirschtick, Nancy L. Fleischer*

**PP-66:** THE IMPACT OF STATE-LEVEL FLAVOR RESTRICTIONS ON TOBACCO PRODUCT SALES

*Megan C. Diaz, Adrian Bertrand, Daniel K. Stephens, Tyra Satchell, Laurie P. Whitsel, Barbara Schillo\**

**PP-67:** CHARACTERIZING THE US CIGAR MARKET AHEAD OF THE FDA'S PROPOSED RULE TO REMOVE FLAVORED CIGARS

*Emily Donovan\*, Stephanie Yoon, Megan Diaz, Maham Akbar, Barbara Schillo*

**PP-68:** FUTURE PROSPECTS FOR THE DEVELOPEMENT OF ANTI-SMOKING RESEARCH IN FRANCE : RESULTS OF A QUALITATIVE STUDY

*Anne-Fleur Guillemin, Jérôme Foucaud\**

**PP-69:** A LONGITUDINAL ANALYSIS OF MPOWER IMPLEMENTATION FROM 2008 TO 2018

*Les Hagen\*, Gholamreza Heydari, Fadi Hammal*

**PP-70:** DOES SELF-REPORTED EXPOSURE TO TOBACCO MARKETING AT TOBACCO RETAIL OUTLETS INFLUENCE THE TRAJECTORY OF TOBACCO USE AMONG YOUTH?

*Keryn E. Pasch\*, Jacob E. Thomas, Melissa B. Harrell*

**PP-71:** SUPPORT FOR NICOTINE REDUCTION IN TOBACCO PRODUCTS FINDINGS FROM THE 2016-2020 ITC FOUR COUNTRY SMOKING AND VAPING SURVEYS

*Robert T. Fairman\*, Yoojin Cho, Lucy Popova, Michael Cummings, Georges Nahhas, Tracy Smith, Janet Chung Hall, Geoffrey Fong, Ron Borland, Ann McNeill, James Thrasher*

**PP-72:** THE CREDIBILITY OF TOBACCO CONTROL AND PREFERENCE OF SMOKING CESSATION PROGRAMS AMONG SAUDI SMOKERS

*Abdullah M. Alanazi\*, Nada Alfahadi, Sadeem Alsayari, Foton Alkhonain, Norah Alsulami, Taha T. Ismaeil*

**PP-73:** EXTRACTION OF COTININE IN URINE USING A MOLECULARLY IMPRINTED POLYMER

*Haley A. Mulder\*, Adam C. Percy, Matthew S. Halquist*



4:45 p.m. - 6:15 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

**On-Demand Papers: Pre-Recorded Paper “Plus”**

**PP-74:** ASSESSING THE TOXICITY OF DIY ADDITIVES IN RESPONSE TO A FLAVOR BAN IN ECIG LIQUIDS

*Ahmad El-Hellani\*, Eric K. Soule, Soha Talih, Rola Salman, Rachel El Hage, Najat Saliba, Alan Shihadeh*

**PP-75:** DEPRESSED MOOD AND COGNITIVE IMPAIRMENT ARE ASSOCIATED WITH STRIATAL DOPAMINE DYSFUNCTION AND BETA2\*-NACHR AVAILABILITY IN RECENTLY ABSTINENT TOBACCO SMOKERS

*Katina C. Calakos\*, Ansel T. Hillmer, Gustavo A. Angarita, Stephen Baldassarri, David Matuskey, MingQiang Zheng, Michael Kapinos, Yiyun Huang, Kelly P. Cosgrove*

**PP-76:** POWER- VERSUS TEMPERATURE-CONTROLLED ELECTRONIC CIGARETTES: IMPLICATIONS FOR EMISSIONS TESTING AND EXPOSURE

*Rola Salman, Soha Talih, Nareg Karaoghlanian\*, Alan Shihadeh*

**PP-77:** DUAL USERS' PERCEPTIONS OF THE ADDICTIVE PROPERTIES OF CIGARETTES VS. E-CIGARETTES

*Robin N. Perry\*, Jane P. Girgulis, Sarah L. Harrison, Sean P. Barrett*

**PP-78:** EFFECTS OF COMPUTED NICOTINE FLUX AND PROTONATION ON PUFF TOPOGRAPHY AND PLASMA NICOTINE EXPOSURE

*Soha Talih, Rola Salman, Miao-Shan Yen, Nareg Karaoghlanian, Alison Breland, Thomas Eissenberg, Alan Shihadeh\**

**PP-79:** VAPING-INDUCED PROTEOLYSIS CAUSES AIRWAY DEHYDRATION

*Arunava Ghosh\*, Raymond D. Coakley, Neil E. Alexis, Robert Tarran*

**PP-80:** EVALUATION OF EARLY INFLAMMATORY AND IMMUNE CELL RESPONSES IN THE MURINE LARYNX FOLLOWING SUBACUTE LOW AND HIGH DOSE WHOLE-BODY CIGARETTE SMOKE EXPOSURE

*Meena Easwaran\*, Joshua D. Martinez, Juyong Brian Kim, Elizabeth Erickson-DiRenzo*

**PP-81:** EFFECTS OF CIGARETTE SMOKE AND E-CIGARETTE AEROSOL EXTRACT ON INTRACRANIAL SELF-STIMULATION IN RATS

*Andrew Harris\*, Peter Muelken, Aleksandra Alcheva, Irina Stepanov, Mark LeSage*

**PP-82:** ADOLESCENT NICOTINE TREATMENT ENHANCES THE MOTIVATION TO SELF-ADMINISTER NICOTINE IN RATS: A BEHAVIORAL ECONOMICS APPROACH

*Ranjith kumar Chellian\*, Azin Behnood-Rod, Ryann Wilson, Adriaan W. Bruijnzeel*

**PP-83:** MODELING CHRONIC NICOTINE EXPOSURE IN MICE USING AN ELECTRONIC NICOTINE DELIVERY SYSTEM

*Laura B. Murdaugh\*, Cristina Miliano, Christine L. Faunce, Irene Chen, Nicholas M. Russel, Ann M. Gregus, Matthew Buczynski*





4:45 p.m. - 6:15 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

**On-Demand Papers: Pre-Recorded Paper “Plus”**

**PP-84: EFFECTS OF E CIGARETTE AEROSOL EXPOSURE ON THE MUCOCILIARY AIRWAY EPITHELIUM**

*Arunima Purkayastha\*, Chadani Sen, Abdo Durra, Cody Aros, David Shia, Tammy Rickabaugh, Steven Jonas, Brigitte Gomperts*

**PP-85: OVER ONE YEAR LATER - EVALI AWARENESS, KNOWLEDGE AND IMPACT ON E-CIGARETTE USE INTEREST AMONG SMOKERS AND YOUNG ADULT NON-SMOKERS**

*Olivia Wackowski\*, Stefanie Gratale, Michelle Jeong, Cristine Delnevo, Michael Steinberg, Richard O'Connor*

**PP-86: BLUNTS AND BLACK AND MILDS: UNPACKING LITTLE CIGAR AND CIGARILLO TERMINOLOGY AMONG AFRICAN AMERICAN/BLACK AND HISPANIC/LATINO TEENS**

*Emily C. Sanders\*, Dawnyéa Jackson, Megan Wall, Mario Navarro, Molly Barry, Dana Wagner*

**PP-87: E-CIGARETTES FOR SMOKING CESSATION AND THEIR LONG TERM USE IN THIS POPULATION. COCHRANE LIVING SYSTEMATIC REVIEW**

*Ailsa R. Butler\*, Annika Theodoulou, Nicola Lindson, Hayden McRobbie, Chris Bullen, Rachna Begh, Caitlin Notley, Nancy Rigotti, Tari Turner, Thomas Fanshawe, Peter Hajek, Jamie Hartmann-Boyce*

**PP-88: COMMUNITY WIC SYSTEM-INITIATED MULTILEVEL INTERVENTION IMPROVES MATERNAL SMOKERS' BIOVERIFIED ABSTINENCE, BABIES LIVING SAFE AND SMOKEFREE RCT**

*Bradley N. Collins\*, Stephen Lepore, Brian Eggleston*

**PP-89: PERCEPTIONS OF HARM AND ADDICTION ON THE AGE OF INITIATION OF CIGAR USE AMONG YOUTH-FINDINGS FROM THE POPULATION ASSESSMENT OF TOBACCO AND HEALTH (PATH) STUDY, 2013-2017**

*Baojiang Chen\*, Kymberle Sterling, Meagan Bluestein, Arnold Kuk, Melissa Harrell, Folefac Atem, Adriana Perez*

**PP-90: LONGITUDINAL ASSOCIATIONS BETWEEN EXCLUSIVE AND DUAL USE OF ELECTRONIC NICOTINE DELIVERY SYSTEMS AND CIGARETTES AND CARDIOVASCULAR DISEASE AMONG ADULTS**

*Jana L. Hirschtick\*, Steven Cook, Akash Patel, Geoffrey D. Barnes, Douglas Arenberg, Irina Bondarenko, David T. Levy, Jihyoun Jeon, Evelyn Jimenez Mendoza, Rafael Meza, Nancy L. Fleischer*

**PP-91: CO-DESIGNING NOVEL VAPING CESSATION INTERVENTIONS WITH YOUTH AND YOUNG ADULTS: THE STOP VAPING CHALLENGE AND POSTCARDS FROM THE FUTURE**

*Sherald Sanchez\*, Patrick Feng, Pamela Kaufman, Bruce Baskerville, Robert Schwartz, Michael Chaiton*



4:45 p.m. - 6:15 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

**On-Demand Papers: Pre-Recorded Paper “Plus”**

**PP-92:** PATTERNS OF DAILY CIGARETTE AND E-CIGARETTE USE AMONG US YOUTH AND YOUNG ADULTS: INSIGHTS FROM THE TRUTH LONGITUDINAL COHORT BETWEEN 2018 AND 2019

*Elizabeth C. Hair\*, Elizabeth K. Do, Michael Liu, Tarik Benmarhnia, John Pierce*

**PP-93:** TOBACCO AND E-CIGARETTE USE BEHAVIOR TRANSITIONS AMONG A YOUTH AND YOUNG ADULT SAMPLE

*Elizabeth K. Do\*, Shreya Tulsiani, Donna M. Vallone, Elizabeth C. Hair*

**PP-94:** NICOTINE DEPENDENCE, OTHER TOBACCO USE, AND CANNABIS USE: DIFFERENCES AMONG LIGHT AND HEAVY ADOLESCENT AND YOUNG ADULT E-CIGARETTE USERS

*Jill M. Singer\*, Alayna P. Tackett, Theodore L. Wagener, Marielle Brinkman, Bo Lu, Miranda B. Kinsell, Clara Rykaczewski, Megan E. Roberts*

**PP-95:** INVESTIGATING THE SUBSTITUTABILITY OF ALTERNATIVE TOBACCO AND NICOTINE PRODUCTS FOR CONVENTIONAL CIGARETTES IN THE EXPERIMENTAL TOBACCO MARKET-PLACE AMONG VULNERABLE POPULATIONS

*Kaitlyn O. Browning\*, Tyler Nighbor, Anthony C. Oliver, Ellaina N. Reed, Michael J. DeSarno, Warren K. Bickel, Stephen T. Higgins*

**PP-96:** EFFECTIVENESS OF WHATSAPP ONLINE GROUP DISCUSSION FOR SMOKING RELAPSE PREVENTION: A PRAGMATIC RANDOMIZED CONTROLLED TRIAL

*Yee-Tak Derek Cheung\*, Qi Wang, Ching Han Helen Chan, Michael Conway, Carlos King Ho Wong, Man Ping Wang, William Ho Cheung Li, Tai Hing Lam*

**PP-97:** ELECTRONIC NICOTINE DELIVERY SYSTEMS (ENDS) USE DURING A SIX-YEAR PERIOD IS NOT ASSOCIATED WITH SELF-REPORTED CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD) AFTER PROPER ADJUSTMENT OF CIGARETTE SMOKING HISTORY; A LONGITUDINAL ANALYSIS OF PATH DATA

*Rafael Meza\*, Steven Cook, Jihyoun Jeon, David Levy, Jana Hirschtick, Nancy Fleischer*

**PP-98:** CHANGES IN PERCEPTIONS OF HARMFULNESS OF HEATED TOBACCO PRODUCTS COMPARED TO COMBUSTIBLE CIGARETTES: FINDINGS FROM THE 2018-2020 ITC JAPAN SURVEYS

*Edward Sutanto\*, Connor R. Miller, Danielle M. Smith, Shannon Gravely, Steve S. Xu, Janine Ouimet, Anne C.K Quah, Geoffrey T. Fong, Takahiro Tabuchi, Itsuro Yoshimi, Katanoda Kota, Maciej L. Goniewicz*

**PP-99:** TRENDS IN PRICE MINIMIZING BEHAVIORS BY SMOKERS IN EUROPE BETWEEN 2006 - 2020. EVIDENCE FROM THE INTERNATIONAL TOBACCO CONTROL (ITC) PROJECT

*Cloé Geboers\*, Gera E. Nagelhout, Hein de Vries, Math J.J.M. Candel, Pete Driezen, Ute Mons, Raphaël Andler, Ann McNeill, Geoffrey Fong, Marc Willemsen*



4:45 p.m. - 6:15 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

**On-Demand Papers: Pre-Recorded Paper “Plus”**

**PP-100:** PREVALENCE OF USE AND REAL WORLD EFFECTIVENESS OF SMOKING CESSATION AIDS DURING THE COVID-19 PANDEMIC

*Sarah E. Jackson\*, Sharon Cox, Lion Shahab, Jamie Brown*

**PP-101:** COMPARING PREDICTORS OF ELECTRONIC NICOTINE PRODUCT QUIT ATTEMPTS AND CESSATION - ANALYSIS OF WAVES 3 AND 4 OF THE PATH STUDY

*Nandita Krishnan\*, Lorien C. Abrams, Carla J. Berg*

**PP-102:** CORRELATES OF AWARENESS AND USE OF ‘TOBACCO-FREE’ ORAL NICOTINE PRODUCTS AMONG SMOKERS AND VAPERS IN THE UNITED STATES: FINDINGS FROM THE 2020 INTERNATIONAL TOBACCO CONTROL FOUR COUNTRY SMOKING AND VAPING SURVEY

*Nicholas J. Felicione\*, Liane Schneller, Maciej L. Goniewicz, Andrew Hyland, K. Michael Cummings, Geoffrey T. Fong, Richard J. O’Connor*

**PP-103:** TRENDS IN RURAL AND URBAN CIGARETTE SMOKING QUIT RATIOS IN THE UNITED STATES, 2010-2019

*Maria A. Parker\*, Andrea H. Weinberger, Andrea C. Villanti*

**PP-104:** CHANGING AGE PATTERNS OF CIGARETTE AND ENDS TRANSITIONS IN THE PATH STUDY: A MULTISTATE TRANSITION MODEL ANALYSIS OF ADULTS AND YOUTH BEFORE (WAVES 1-4) AND AFTER (WAVES 4-5) 2017

*Andrew Brouwer\*, Jihyoun Jeon, Evelyn Jimenez-Mendoza, Stephanie Land, Ritesh Mistry, David Levy, Rafael Meza*

**PP-105:** QUITTING VAPING FROM THE PERSPECTIVES OF REDDIT USERS

*Laura Louise Struik\*, Youjin (Christine) Yang*

**PP-106:** VALIDATION OF A MEASURE OF CIGARETTE PACKAGING BRAND APPEAL

*Matthew Stone\*, John Pierce, Eric Leas, Claudiu Dimofte, Kim Pulvers, David Strong*

**PP-107:** A COMPARISON OF RESPIRATORY SYMPTOMS AMONG ADULT CANNABIS USERS, TOBACCO USERS, CO-USERS, AND NON-USERS

*Riley J. Wyatt\*, Sarah J. Ehlke, Michael A. Smith, Taylor Niznik, Delaney Dunn, Darla E. Kendzor, Amy M. Cohn*

**PP-108:** THE EFFECTS OF CIGARETTE LABELING POLICIES ON CONVERSATIONS ABOUT SMOKING HARMS AND CESSATION: ASSESSING MODERATION BY SOCIAL NETWORK CHARACTERISTICS

*Victoria C. Lambert\*, Chung-Li Wu, James F. Thrasher*

**PP-109:** EXPLORING VARIATION IN HOW MEDIA DEPICTIONS OF TOBACCO USE AFFECT NORM PERCEPTIONS: THE ROLES OF PERCEIVED AND DESIRED SIMILARITY

*Leeann Nicole Siegel\**



4:45 p.m. - 6:15 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

**On-Demand Papers: Pre-Recorded Paper “Plus”**

**PP-110:** FACTORS MOTIVATING YOUNG ADULTS’ CONTINUED VERSUS REDUCED USE OF FLAVORED E-CIGARETTES

*Rebekah Wicke\*, Allison Worsdale, Jiaying Liu*

**PP-111:** NEURAL MARKERS OF CRITICAL THINKING AND VAPING FREQUENCY FOLLOWING ANTI-VAPING CAMPAIGN MESSAGE EXPOSURE IN YOUNG ADULT VAPERS

*Jiaying Liu\*, Joshua T. McMains, Jessica L. Fabbriatore, Erin C. Jones, Allison Worsdale, Rebekah S. Wicke, Lawrence H. Sweet*

**PP-112:** INTERNALIZING AND EXTERNALIZING PROBLEMS ON THE AGE OF E-CIGARETTE INITIATION IN THE POPULATION ASSESSMENT OF TOBACCO AND HEALTH (PATH) USA YOUTH (2013-2017)

*Meagan Bluestein\*, Melissa Harrell, Baojiang Chen, Adriana Perez*

**PP-113:** REAL-TIME EXPOSURE TO ANTI-TOBACCO MESSAGING AMONG A DIVERSE POPULATION OF YOUNG ADULTS

*Jennifer Cantrell, Susan Westneat, Judy Van den Venne, Andrew Anesetti-Rothermel, Shanell Folger, Basmah Rahman, Charles Debnam, Kurt Ribisl, Amy Cohn, Shyanika Rose\**

**PP-114:** CONNECTING ANTI-TOBACCO MESSAGES WITH AT-RISK LATINX YOUNG ADULTS

*Jessica M. Rath\*, Meera Ammu, Susanah Ramirez, Fernanda Alonso, Elizabeth Hair, Meghan Moran*

**PP-115:** IDENTIFYING NOVEL MOTIVATION PHASE-SPECIFIC CESSATION TARGETS FOR YOUTH EXPERIENCING HOMELESSNESS

*Julianna Nemeth\*, Allison Glasser, Joseph Macisco, Alice Hinton, Amy Wermert, Joanne Patterson, Ana Sucalito, Carra Gilson, Hannah Kemble, Ellen Garbsch, Jacob Caponi*

**PP-116:** A SURVIVAL ANALYSIS APPROACH TO UNDERSTANDING DIRECTIONALITY IN THE RELATIONSHIP BETWEEN CIGARETTE USE AND DEPRESSION DURING YOUNG ADULTHOOD

*Jacob E. Thomas\*, Keryn E. Pasch, Alexandra Loukas*

**PP-117:** ESTIMATING OWN AND CROSS ELASTICITY OF CIGARETTE BY PRICE TIERS IN BANGLADESH

*Shafiun Nahin Shimul\*, A.K.M. Ghulam Hussain*

**PP-118:** PERCEIVED PARENTAL KNOWLEDGE REDUCES RISK FOR INITIATION OF NICOTINE AND CANNABIS VAPING: A LONGITUDINAL STUDY OF ADOLESCENTS

*Dale Mantey\*, Andrew E. Springer, Stephanie Clendennen, Melissa Harrell*

**PP-119:** ASSESSING THE IMPACT OF DIFFERENT PHARMACY TOBACCO RETAIL DISPLAYS ON SMOKERS’ AWARENESS AND PERCEPTIONS OF TOBACCO PRODUCTS AND SMOKING CESSATION MEDICATIONS A MOBILE EYETRACKING STUDY

*Christopher Frye\*, Kristie June, Richard O’Connor, Lisa Henriksen, Maansi Bansal-Travers*



4:45 p.m. - 6:15 p.m.

Key Ballroom 7-12 (Main Building, Second Floor)

**On-Demand Papers: Pre-Recorded Paper “Plus”**

**PP-120:** FLAVORED TOBACCO AND ELECTRONIC NICOTINE PRODUCT USE AMONG ADULTS IN NEW YORK STATE FOLLOWING IMPLEMENTATION OF A STATEWIDE RESTRICTION ON FLAVORS

*Maansi Bansal-Travers, Andrew Hyland, Brian Fix, Cheryl Rivard, Liane Schneller, Christopher Frye\*, Destiny Diaz, Akshika Sharma, Richard O'Connor*

**PP-121:** THE IMPACTS OF INCLUDING INFORMATION ABOUT THE NUMBER OF CARCINOGENS IN TOBACCO SMOKE ON STANDARDISED CIGARETTE PACKS IN THE UNITED KINGDOM

*Crawford Moodie\*, Catherine Best, Nathan Critchlow, Sara Hitchman, Martine Stead, Ann McNeill*

**PP-122:** STRENGTHENING CONNECTIVITY: LEVERAGING GAME-PLAY AND SOCIAL NETWORKS TO PREVENT ADOLESCENT TOBACCO USE

*Georges Khalil\*, Dave McLean, Ross Shegog, Kayo Fujimoto, Alexander V. Prokhorov*

## AUTHOR INDEX

## A

Abadi, Melissa ..... POD4-1  
 Abrams, Ian ..... PP-61  
 Abroms, Lorien C. .... PP-55, PP-101  
 Acheampong, Daniel ..... PP-13  
 Addicott, Merideth ..... PP-13  
 Addy, Nii A. .... POD6-2  
 Ademuyiwa, Foluso ..... POD1-2  
 Adhikari, Keyuri ..... PP-41  
 Admire, Ami ..... POD11-7  
 Adsit, Rob ..... POD1-5, POD10-6  
 Agaku, Israel ..... POD12-4  
 Ahluwalia, Jasjit ..... SYM19-3, PP-30  
 Ahmad, Fayaz ..... POD15-6  
 Ait Ouakrim, Driss ..... SYM17-2  
 Ajith, Aniruddh ..... POD4-5, POD4-6  
 Akbar, Maham ..... PP-67  
 Akinola, Lois S. .... POD6-5  
 Alanazi, Abdullah M. .... PP-46, PP-72  
 Alanazi, Fay J. .... PP-46  
 Alarabi, Ahmed ..... POD14-1  
 Alberts, Joseph ..... PP-41  
 Alcheva, Aleksandra ..... PP-81  
 Alexander, Adam C. .... SYM2-4  
 Alexis, Neil E. .... PP-79  
 Alfahadi, Nada ..... PP-72  
 Ali, Hamdy ..... POD14-1  
 Alkhonain, Foton ..... PP-72  
 Allen, Alicia M. .... SYM15-1  
 Allen, Michele L. .... PP-37  
 Almutairi, Shahad F. .... PP-46  
 Alonso, Fernanda ..... PP-114  
 Alqahtani, Lama H. .... PP-46  
 Alsarami, Alanoud A. .... PP-46  
 Alsayari, Sadeem ..... PP-72  
 Alshbool, Fatima Z. .... POD14-1  
 Alsulami, Norah ..... PP-72  
 Ammu, Meera ..... PP-114  
 Andersen, Allan ..... POD6-4  
 Andler, Raphaël ..... PP-99  
 Andrews, Mary ..... POD9-4  
 Anesetti-Rothermel, Andrew ..... PP-113  
 Angarita, Gustavo A. .... PP-75  
 Applegate, Julia ..... POD9-4  
 Arenberg, Douglas ..... PP-90  
 Arillo-Santillán, Edna ..... PP-33, PP-45, PP-60  
 Arora, Monika ..... POD15-5  
 Aros, Cody ..... PP-84  
 Asare, Samuel ..... POD4-2  
 Asfar, Taghrid ..... PP-61, PP-63  
 Ashare, Rebecca ..... POD5-3  
 Ashing, Kimlin T. .... POD10-4  
 Ashurst, Alex ..... POD5-5  
 Assari, Shervin ..... PP-41, PP-42  
 Asvat, Yasmin ..... POD1-3  
 Atem, Folefac ..... PP-89  
 Audrain-McGovern, Janet ..... PP-34  
 Avery, Elizabeth ..... POD10-3  
 Avila, Jaqueline C. .... PP-30  
 Ayo-Yusuf, Olalekan A. .... POD12-4  
 Azogini, Chiamaka ..... POD2-1

## B

Baezconde-Garbanati, Lourdes ..... SYM9-4  
 Bagdas, Deniz ..... POD6-2, POD6-5  
 Baggett, Chris D. .... PP-29  
 Baker, Nathaniel L. .... POD13-2  
 Baker, Timothy ..... POD1-5, POD4-3, POD10-6, SYM18-3  
 Baldassarri, Stephen ..... PP-75  
 Baldwin, Carrie ..... POD5-7  
 Baldwin, David ..... POD5-5  
 Bandi, Priti ..... POD4-2  
 Bansal-Travers, Maansi .... PP-4, PP-119, PP-120, SYM4-1, SYM4-3  
 Banthin, Christopher ..... PP-50, POD7-1  
 Barker, Joshua ..... PP-57  
 Barnes, Geoffrey D. .... PP-90  
 Barrett, Eden ..... POD11-2  
 Barrett, Sean P. .... PP-77  
 Barrientos-Gutiérrez, Inti ..... PP-33, PP-45, PP-60  
 Barros, Mary ..... POD7-4  
 Barry, Molly ..... PP-86  
 Barton, Jocelyn M. .... SYM2-4  
 Bar-Zeev, Yael ..... PP-55  
 Baskerville, Bruce ..... PP-91  
 Bateman, Jerram ..... PP-54  
 Bauer, Michael ..... PP-13  
 Baurley, James ..... SYM18-4  
 Becker, Jessica E. .... PP-28  
 Beem, Alexandra ..... PP-58  
 Begh, Rachna ..... PP-87  
 Begnaud, Abbie ..... PP-9  
 Behnood-Rod, Azin ..... PP-82  
 Beidas, Rinad ..... POD5-3  
 Bellinger, Christina ..... PP-8  
 Bellon, Michelle ..... POD13-6  
 Benmarhnia, Tarik ..... PP-92  
 Bennett, Breesa ..... POD8-4  
 Bennetts, Sofia ..... POD3-1  
 Ben Taleb, Ziyad ..... POD12-6  
 Berg, Carla ..... PP-55, PP-101, POD8-4  
 Bergen, Andrew ..... SYM18-4  
 Berman, Micah L. .... SYM8-4  
 Bernat, Debra ..... PP-64  
 Bernstein, Steven L. .... POD10-4  
 Bertrand, Adrian ..... PP-66  
 Best, Catherine ..... PP-121  
 Bickel, Warren K. .... PP-95, SYM4-4  
 Bierut, Laura ..... POD1-2, POD4-3, SYM18-3, SYM18-5  
 Blackman, Kacie C. .... SYM9-4  
 Blakely, Tony ..... SYM17-2  
 Blalock, J, Edwin ..... POD14-4  
 Bluestein, Meagan ..... PP-89, PP-112, POD8-3  
 Boatright, Amy S. .... POD13-2  
 Boeckmann, Melanie ..... POD15-6  
 Boland, Veronica C. .... POD5-1  
 Bold, Krysten W. .... PP-12, SYM19-1  
 Boley Cruz, Tess ..... SYM9-4  
 Bommelé, Jeroen ..... PP-52  
 Bondarenko, Irina ..... PP-90  
 Bondy, Emma ..... POD3-4, POD6-6, SYM7-4  
 Bonevski, Billie ..... SYM2-1, SYM17-1, SYM17-4  
 Borek, Nicolette ..... SYM20-1



# SRNT 2022 • AUTHOR INDEX

Borland, Ron	PP-4, PP-5, PP-71, SYM17-1, SYM17-3, SYM17-4	Carrazana, Enrique	POD11-1
Borle, Amod	SYM10-4	Carreno, Diana	POD3-2
Borosky-Armstrong, Tristan	POD9-7	Carroll, Dana	POD11-3
Borrelli, Belinda	POD13-5	Carstensen, Georgia	SYM17-1
Bovill, Michelle	SYM1-4	Cartujano-Barrera, Francisco	POD2-1
Bowles, Kristina	PP-19	Casas, Alejandra	PP-61, PP-63
Boyd, Carol	POD9-1	Cassidy, Rachel	POD5-6, POD9-6
Boyd, Mark	SYM17-4	Cather, Corinne	POD5-2
Boynton, Marcella H.	POD2-8	Catley, Delwyn	SYM21-3
Braaten, Greg	POD11-3	Cavazos-Rehg, Patricia	POD1-1
Brain, Kate	POD5-5	Cha, Sarah	PP-2
Brandon, Karen O.	SYM2-3, POD13-1	Chadwick, Ginny	PP-35
Brandon, Thomas H.	SYM2-3, POD13-1, POD13-3	Chaiton, Michael	SYM4-1, PP-91
Breland, Alison	PP-78	Chan, Gary	PP-5, PP-16
Brennan, Emily	POD2-5	Chandler, Maura	SYM21-5
Bricker, Jonathan B.	PP-17, SYM2-2, POD11-6	Chang, Yuchiao	POD10-5
Brighton, Elizabeth	PP-40	Cheah, Nuan Ping	SYM8-2
Brinkman, Marielle	PP-94	Cheeks, Samantha	SYM7-3
Britton, John	POD5-5	Chellian, Ranjith kumar	PP-82
Brose, Leonie S.	SYM11-6	Chen, Baojiang	PP-89, PP-112, POD8-3
Brothers, Whitney	POD2-8	Chen, Chuyun	SYM7-1
Brouwer, Kimberly	PP-40	Chen, Hui	SYM15-3
Brown, Elizabeth M.	SYM6-1	Chen, Irene	PP-83
Brown, Jamie	PP-48, PP-100	Chen, Jarvis	POD9-4
Brown, Jennifer L.	PP-39, POD12-3	Chen, Jingling	POD1-1
Browning, Kaitlyn O.	PP-95	Chen, Li-Shiun	POD1-1, POD1-2, POD1-3, POD4-3, POD10-4, SYM18-3, SYM18-5
Brucks, Lisa	POD11-7	Chen, Yen-Chu	POD3-6, SYM7-3
Bublitz, Michelle	POD5-7	Cheng, David C.	PP-50, POD7-1
Buczynski, Matthew	PP-83	Chen-Sankey, Julia	POD4-5, POD4-6, SYM8-3
Budenz, Alexandra	PP-18	Chichester, Keith R.	POD13-7
Budney, Alan	SYM11-3	Chieng, Amy	SYM21-5
Buffenstein, Ilana	POD11-1	Chiles, Caroline	PP-8, PP-10
Bui, Thanh C.	PP-19	Cho, Junhan	SYM9-4
Bullen, Chris	PP-87	Cho, Yoojin	PP-71
Burkhalter, Robin	SYM4-3	Choi, Kelvin	PP-27, POD4-5, POD4-6
Bursac, Zoran	PP-61	Choi, So Yung	POD11-1
Businelle, Michael S.	SYM2-4	Chung, Jack	PP-16
Buta, Eugenia	SYM19-1	Chung-Hall, Janet	SYM4-1, SYM4-2, PP-71
Butler, Ailsa R.	PP-87	Cid, Marco F.	POD13-3
Byrne, Margaret M.	SYM2-3	Cinciripini, Paul	PP-7, PP-10

## C

Caceres, Ana I.	SYM12-4	Clendennen, Stephanie	PP-118, POD8-2
Cadham, Christopher	POD7-6	Coakley, Raymond D.	PP-79
Cagan, Rick	PP-53	Coates, Katherine	POD10-6
Cahn, Zachary	POD7-3	Cohen, Joanna	PP-39, PP-47, PP-62, SYM4-1, POD12-1, POD12-3
Calac, Dan	POD11-7	Cohn, Amy	PP-34, PP-107, PP-113, SYM14-2
Calakos, Katina C.	PP-75	Colder, Craig	PP-7
Callister, Matthew	POD5-5	Collins, Bradley N.	PP-88
Camacho, Bianca	POD5-6	Collins, Jeff	POD15-4, POD15-5
Campos, Jesus M.	SYM7-3	Conn, Melissa R.	POD13-3
Candel, Math J.	PP-99	Cook, Steven	PP-90, PP-97
Cantrell, Jennifer	PP-113	Cooper, Skylar Y.	SYM7-2, SYM16-3
Cao, Pianpian	PP-10	Cordero, David S.	POD9-4
Caponi, Jacob	PP-115	Cordero-Romero, Susan	POD5-7
Cappella, Joseph	POD2-7, POD12-7, SYM13-3	Cosgrove, Kelly P.	PP-75
Carl, Ellen	SYM11-3	Cotten, Whitney	PP-34
Carlini, Beatriz H.	SYM11-4	Courtney, Ryan	POD5-1, SYM17-4
Carmona, Maria	PP-39, POD12-8	Cox, Chelsea	POD10-3
Carpenter, Kelly M.	SYM11-4	Cox, Lisa Sanderson	PP-21
Carpenter, Matthew J.	POD13-2	Cox, Sharon	PP-48, PP-100, POD7-7
		Coyle, Kathryn	SYM10-1
		Craig, Lorraine V.	SYM4-1



# SRNT 2022 • AUTHOR INDEX

Craigmile, Peter F. .... SYM9-1  
 Crandell, Ian ..... PP-64  
 Crankson, Shirley ..... POD15-4, POD15-5  
 Creswell, Paul D. .... POD1-5  
 Cristol, Benjamin A. .... POD9-2  
 Critchlow, Nathan ..... PP-121  
 Cropsey, Karen ..... POD8-6, POD13-7  
 Crosbie, Eric ..... PP-58  
 Crosbie, Philip ..... POD5-5  
 Cruz, Tess ..... POD12-6  
 Cruz, Tess Boley ..... PP-57  
 Cruz-Jiménez, Lizeth ..... PP-33, PP-45, PP-60  
 Cummings, K. M. .... SYM4-1  
 Cummings, K. Michael ..... PP-5, PP-102, SYM21-1  
 Cummings, Michael ..... PP-4, PP-14, PP-71, POD7-5  
 Cupertino, Ana Paula ..... POD2-1  
 Curry, Laurel ..... POD9-3  
 Czaplicki, Lauren ..... PP-62, POD12-1

## D

Dahl, Neely ..... POD10-4  
 Damaj, M. Imad ..... POD6-5, POD14-5  
 D'Angelo, Heather ..... POD1-3, POD10-4  
 Daughters, Stacey ..... PP-13  
 Davigo, Michele ..... PP-23  
 Davis, Esa M. .... POD10-5  
 Dawes, Kelsey ..... POD6-4  
 Dawkins, Lynne ..... POD7-7  
 Day, Andrew T. .... POD1-3  
 Dearfield, Craig ..... PP-64  
 DeAtley, Teresa ..... POD5-6  
 Debnam, Charles ..... PP-113  
 Delnevo, Cristine ..... PP-85, SYM4-1  
 Denlinger-Apte, Rachel ..... SYM4-7, POD9-6  
 Desai, Maruti ..... PP-41  
 DeSarno, Michael J. .... PP-95  
 Deshmukh, Chetana ..... SYM10-4  
 DeVito, Elise E. .... SYM15-2  
 DeVito, Else E. .... SYM15-1  
 de Vries, Hein ..... PP-26, PP-99  
 Diaz, Destiny ..... PP-120  
 Diaz, Megan ..... PP-66, PP-67, POD7-3  
 Dimofte, Claudiu ..... PP-106, POD2-4  
 Ding, Zheng-Ming ..... POD3-5  
 Ditre, Joseph W. .... PP-15  
 D'Mello, Kimberly ..... PP-49  
 Do, Elizabeth K. .... PP-92, PP-93  
 Doane, Jacqueline ..... PP-50, POD7-1  
 Dobbs, Page D. .... PP-35  
 Dognin, Joanna ..... SYM21-4  
 Donny, Eric ..... POD2-7, POD9-6  
 Donovan, Emily ..... PP-67, POD7-3  
 Doran, Christopher M. .... POD5-1  
 Dorison, Charles ..... SYM13-1, SYM13-2  
 Doroshenko, Christine ..... POD1-2  
 Dorr, Casey ..... POD11-3  
 Doscher, Crile ..... PP-59  
 Dreger, Steffen ..... POD15-6  
 Dressler, Emily ..... PP-8, PP-11  
 Driezen, Pete ..... PP-5, PP-99, SYM4-2  
 Drobos, David J. .... POD13-3  
 Du, Weiting ..... POD9-4

Duan, Zongshuan ..... POD8-4, POD11-5, POD12-2, POD12-5  
 Duaso, Maria ..... SYM11-6, SYM14-4  
 Dukes, Angeline J. .... SYM7-3  
 Dunn, Delaney ..... PP-34, PP-107  
 Dunstone, Kimberley ..... POD2-5  
 Durkin, Sarah ..... POD2-5  
 Durra, Abdo ..... PP-84

## E

East, Katherine ..... PP-4, PP-49  
 Easwaran, Meena ..... PP-80  
 Eckert, Christine ..... POD2-6  
 Edwards, Richard ..... SYM3-2, SYM17-1  
 Egleston, Brian ..... PP-88  
 Ehlke, Sarah J. .... PP-34, PP-107, SYM2-4, POD9-3  
 Eisenberg, Marla E. .... PP-37  
 Eissenberg, Thomas ..... PP-78, POD6-1  
 Elbaz, Daniel ..... PP-55  
 El Hage, Rachel ..... POD6-1  
 El-Halawany, Medhat ..... POD14-1  
 El-Hellani, Ahmad ..... POD6-1  
 Ellerbeck, Edward F. .... PP-21, SYM21-3  
 Elsey, Helen ..... POD15-4, POD15-5  
 Elting, Linda S. .... POD10-2  
 Emery, Sherry ..... SYM6-3, POD12-6  
 Emmons, Karen ..... POD15-2  
 Endrighi, Romano ..... POD13-5  
 Erickson-DiRenzo, Elizabeth ..... PP-80  
 Eriksen, Michael P. .... POD11-5, POD12-2, POD12-5  
 Ervin, Carolyn ..... SYM18-4  
 Evans-Polce, Rebecca ..... POD9-1  
 Evans-Reeves, Karen ..... PP-56  
 Evins, A. Eden ..... POD5-2

## F

Fabbricatore, Jessica L. .... PP-111  
 Fairman, Robert T. .... PP-71, POD4-7  
 Fanshawe, Thomas ..... PP-87  
 Farrell, Michael ..... POD5-1  
 Farrelly, Matthew ..... SYM2-5  
 Faseru, Babalola ..... SYM21-3  
 Faunce, Christine L. .... PP-83  
 Fedewa, Stacey ..... POD4-2  
 Felicione, Nicholas J. .... PP-102  
 Feng, Patrick ..... PP-91  
 Fenton, Elizabeth ..... PP-56  
 Ferguson, Stuart ..... POD5-1, POD5-4  
 Filippidis, Filippos T. .... SYM4-2  
 Fiore, Michael ..... POD1-3, POD1-5, POD10-4, POD10-6  
 Fix, Brian ..... PP-120  
 Fleischer, Nancy ..... PP-31, PP-65, PP-90, PP-97  
 Fleischli, Mary ..... PP-36, PP-38  
 Fleisher, Linda ..... POD10-4  
 Foley, Kristie ..... PP-8, PP-10, PP-11  
 Folger, Shanell ..... PP-113  
 Fong, Geoffrey ... PP-4, PP-5, PP-26, PP-31, PP-71, PP-98, PP-99, PP-102, POD7-5, SYM4-1, SYM4-2, POD15-5

Forberger, Sarah ..... POD15-6  
 Foster, Madeline G. .... PP-14, POD13-2  
 Foucaud, Jérôme ..... PP-68  
 Fowler, Christie ..... POD3-6, SYM7-3  
 Fowler, James P. .... SYM7-3  
 Frank-Pearce, Summer ..... SYM2-4, POD10-2, SYM14-2  
 Freitas-Lemos, Roberta ..... SYM4-4  
 Frie, Jude ..... POD6-3, SYM7-1  
 Friedman, Abigail ..... PP-38  
 Froeliger, Brett ..... POD13-2  
 Frye, Christopher ..... PP-119, PP-120  
 Fu, Steven ..... PP-9, PP-37  
 Fujimoto, Kayo ..... PP-122  
 Fung, Vicki C. .... PP-50, POD7-1  
 Fuss, Caroline ..... POD8-4

## G

Gaggar, Amit ..... POD14-4  
 Gajewski, Byron J. .... SYM21-3  
 Gallegos-Carrillo, Katia ..... PP-33, PP-45, PP-60  
 Gamble, Karen ..... POD8-6  
 Ganz, Ollie ..... SYM4-1, POD9-3  
 Garbsch, Ellen ..... PP-115  
 Gardiner, Phil ..... SYM6-3  
 Garg, Suneela ..... SYM10-4  
 Garland, Eric L. .... POD13-2  
 Gartner, Coral ..... PP-16, POD5-1, SYM17-1, SYM17-3, SYM17-4  
 Geboers, Cloé ..... PP-26, PP-99  
 Geisler, Jennifer ..... POD11-7  
 Gendall, Philip ..... POD2-6  
 George, Tony P. .... PP-7  
 Gerrard, Meg ..... PP-36, PP-38  
 Ghaffari-Rafi, Arash ..... POD11-1  
 Ghosh, Arunava ..... PP-79  
 Gibbons, Frederick X. .... PP-36  
 Gibbons, Rick ..... PP-38  
 Gierada, David ..... POD1-2  
 Gifford, Heather ..... SYM1-4  
 Gilks, Charles ..... SYM17-4  
 Gilson, Carra ..... PP-115  
 Giovenco, Daniel P. .... SYM9-2  
 Gipson, Cassandra D. .... POD6-6, SYM7-4  
 Gipson-Reichardt, Cassandra ..... POD3-4  
 Girgulis, Jane P. .... PP-77  
 Glasser, Allison ..... PP-115  
 Godino, Job ..... PP-40  
 Goldberg, Lisa R. .... POD3-3  
 Goldberg, Sydney L. .... PP-28, PP-50, POD7-1  
 Golden, Shelley D. .... PP-29  
 Goldstein, Adam ..... POD1-3  
 Gomperts, Brigitte ..... PP-84  
 Goniewicz, Maciej L. .... PP-98, PP-102, SYM12-1  
 Gonzalez, Valentina ..... POD7-4  
 Goodwin, Renee ..... SYM11-1, SYM11-3, SYM14-1  
 Gordon, Bob ..... POD9-4  
 Gottlieb, Mark A. .... POD15-2  
 Gould, Thomas J. .... POD3-3  
 Graham, Amanda L. .... PP-2  
 Grana Mayne, Rachel ..... SYM12-3  
 Gratale, Stefanie ..... PP-85

Gravely, Shannon ..... PP-4, PP-5, PP-60, PP-98, SYM4-3, POD7-5  
 Gregus, Ann M. .... PP-83  
 Griffin, William C. .... POD6-6  
 Griffith, Nicholas ..... POD4-3  
 Grilo, Graziele ..... POD12-3  
 Gueorguieva, Ralitzia ..... SYM19-1  
 Guillemin, Anne-Fleur ..... PP-68  
 Gundersen, Daniel A. .... POD15-2  
 Gupta, Prakash C. .... PP-41  
 Guttentag, Alexandra ..... SYM9-3

## H

Haas, Jennifer ..... PP-10  
 Hacker, Kiana ..... POD4-5, POD4-6  
 Hadland, Scott ..... POD13-5  
 Haeny, Angela ..... PP-36, PP-38  
 Hagen, Les ..... PP-69  
 Hair, Elizabeth ..... PP-92, PP-93, PP-114  
 Hajek, Peter ..... PP-87  
 Hall, Sharon M. .... POD13-4  
 Hall, Wayne ..... PP-16, POD5-1  
 Hallam, Bryana L. .... SYM7-1  
 Halquist, Matthew S. .... PP-73  
 Hammal, Fadi ..... PP-69  
 Hammett, Patrick ..... PP-37  
 Hammond, David ..... PP-5, PP-49, SYM4-3  
 Hammoud, Mohamed ..... SYM2-1  
 Han, Lu ..... SYM10-3  
 Hanby, Elaine ..... POD9-4, POD9-5, POD15-2  
 Hanson, Monah ..... POD11-7  
 Hardin, James ..... POD5-4  
 Harrell, Melissa ... PP-70, PP-89, PP-112, PP-118, POD8-2, POD8-3  
 Harris, Andrew ..... PP-81  
 Harrison, Abigail ..... POD5-6  
 Harrison, Sarah L. .... PP-77  
 Hart, Joy L. .... POD13-5  
 Hartmann-Boyce, Jamie ..... PP-87  
 Hasan, Afsheen ..... POD10-1  
 Hassan, Ahmad ..... SYM7-1  
 Hatsukami, Dorothy ..... POD2-5, POD11-3  
 Haunser, Amos ..... POD15-3  
 Hawk, Larry ..... PP-7, POD5-3  
 Hayashi, Robin ..... POD13-6  
 Haynes, David ..... PP-9  
 Heckel, Emily ..... SYM13-1  
 Hedeker, Donald ..... SYM14-2  
 Hefler, Marita ..... SYM17-1  
 Heiden, Brendan ..... POD4-3  
 Heldwein, Scott D. .... SYM12-1  
 Henderson, Brandon J. .... SYM7-2, SYM16-3, SYM16-3  
 Henderson, Patricia Nez ..... POD11-6  
 Hendricks, Lauren ..... POD3-5  
 Hendricks, Peter S. .... POD13-7  
 Henley, Patricia ..... PP-50, POD7-1  
 Henriksen, Lisa ..... PP-35, PP-119  
 Heo, Moonseong ..... POD5-7  
 Heris, Christina ..... POD11-2  
 Herman, Melissa ..... SYM16-1  
 Hernandez, Carol ..... SYM11-3  
 Hernandez, Keziah ..... POD14-1

Hernandez, Laura M. .... POD13-1  
 Heydari, Gholamreza ..... PP-69  
 Hidalgo, Samantha ..... SYM4-6  
 Higgins, Stephen T. .... PP-2, PP-95, POD5-6  
 Hill, Sarah ..... POD15-4  
 Hillmer, Ansel T. .... PP-75  
 Hinton, Alice ..... PP-115  
 Hipple Walters, Bethany ..... PP-52  
 Hirschtick, Jana ..... PP-65, PP-90, PP-97  
 Hitchman, Sara ..... PP-121  
 Hitsman, Brian ..... POD1-3, POD10-3  
 Ho, Denise ..... POD13-6  
 Hoek, Janet ..... PP-56, POD2-5, POD2-6, SYM3-3, POD15-7  
 Hohl, Sarah D. .... POD1-3, POD10-4  
 Holmes, Louisa ..... PP-43  
 Horn, Kimberly ..... PP-64  
 Howell, Shaunacee ..... SYM12-4  
 Hsieh, Hsing-Fang ..... PP-41  
 Hsu, Johnathan ..... SYM11-4  
 Hsu, Ping-Ching ..... PP-13  
 Huang, Jidong ..... POD11-5, POD12-2, POD12-5  
 Huang, Yiyun ..... PP-75  
 Hudson, Deborah ..... POD1-3  
 Hugley, Mickeah J. .... POD13-7  
 Humfleet, Gary L. .... POD13-4  
 Hung, Felicia Y. .... PP-12  
 Hunter, Steve ..... POD7-7  
 Huque, Rumana ..... SYM10-4  
 Hurley, Mark ..... PP-39  
 Hurst, Samantha ..... POD2-4  
 Hussain, A.K.M. Ghulam ..... PP-117  
 Hutcheson, Tresza D. .... PP-21  
 Hyland, Andrew ..... PP-4, PP-5, PP-102, PP-120, SYM4-1, SYM4-3, POD7-5, SYM11-3, SYM20-1  
 Hyle, Emily P. .... PP-28

## I

Iannello, Justin ..... POD1-6  
 Ice, Stephanie ..... POD10-1  
 Iosua, Ella ..... PP-59  
 Iqbal, Romaina ..... SYM10-3  
 Islam, Mohammad S. .... POD12-1  
 Islam, Mohammad Shamimul ..... PP-62  
 Islam, Sabrina ..... POD4-1  
 Islam, Ziauddin ..... POD15-4  
 Islami, Farhad ..... POD4-2  
 Ismaeil, Taha T. .... PP-72

## J

Jabba, Sairam ..... SYM12-4  
 Jackson, Asti ..... PP-36, PP-38, POD6-5, SYM19-1  
 Jackson, Catherine ..... SYM10-3  
 Jackson, Dawnyéa ..... PP-86  
 Jackson, Janet ..... PP-53  
 Jackson, Sarah E. .... PP-100  
 Jacobs, Cindy A. .... SYM5-3  
 Jacobs, Wura ..... SYM14-3  
 Jacobson, Pamala ..... POD11-3

Jahad, Jasmine ..... SYM16-1  
 Jakavula, Joyce ..... POD12-4  
 James, Aimee ..... POD1-1  
 Jandarov, Roman A. .... PP-6  
 Jenkins, Claire F. .... SYM9-1  
 Jeon, Jihyoung ..... PP-10, PP-90, PP-97  
 Jeong, Michelle ..... PP-85  
 Jewett, Bambi ..... POD4-5, POD4-6  
 Jimenez-Mendoza, Evelyn ..... PP-10, PP-90  
 John, Lovina ..... SYM4-6  
 Johnson, Andrea C. .... POD2-2  
 Johnson, Dawn F. .... POD1-6  
 Johnson, Jamila ..... POD5-7  
 Johnson, Matthew W. .... SYM5-2  
 Jonas, Steven ..... PP-84  
 Jones, Emily A. .... POD13-5  
 Jones, Erin C. .... PP-111  
 Jones, Sarah R. .... POD10-2  
 Jordt, Sven-Eric ..... SYM12-4  
 Joseph, Anne ..... PP-9, PP-10  
 Joshi, Ayush ..... PP-56  
 June, Kristie ..... PP-119  
 Juon, Hee Soon ..... POD10-4

## K

Kaag, Anne Marije ..... PP-26  
 Kalhan, Ravi ..... POD10-3  
 Kali, Kgomotso ..... POD12-4  
 Kanaan, Mona ..... SYM10-3, SYM10-4  
 Kapinos, Michael ..... PP-75  
 Karaoghlanian, Nareg ..... PP-76, PP-78, POD6-1, POD14-2  
 Karim, Zubair ..... POD14-1  
 Kastman, Christian ..... POD10-6  
 Kasza, Karin ..... SYM4-3, SYM20-5  
 Katanoda, Kota ..... POD7-5  
 Kaufman, Pamela ..... PP-91  
 Kcomt, Luisa ..... POD9-1  
 Keener, Samantha ..... POD10-1  
 Keller-Hamilton, Brittney ..... POD2-3, SYM12-2  
 Kelley, Jennifer K. .... POD10-5  
 Kemble, Hannah ..... PP-115  
 Kendzor, Darla ..... SYM2-4, PP-17, PP-107  
 Kennedy, Michelle ..... POD11-2  
 Kennedy, Ryan David ..... PP-47  
 Khalil, Georges ..... PP-122  
 Khan, Md Arifuzzaman ..... SYM17-1  
 Khan, Muhammad N. .... POD15-6  
 Khan, Zohaib ..... SYM10-4, POD15-6  
 Kharazi Boozary, Laili ..... SYM2-4  
 Khasawneh, Fadi T. .... POD14-1  
 Khatri, Shailesh ..... POD3-4, POD6-6, SYM7-4  
 Khayat, Amal ..... PP-55  
 Khokhar, Jibran Y. .... POD6-3, SYM7-1  
 Khokhar, Mariam A. .... POD15-4, POD15-5  
 Kierstead, Elexis C. .... SYM6-4  
 Kim, Hyun Suk ..... SYM13-3  
 Kim, Juyong B. .... PP-80  
 Kim, Nayoung ..... POD10-6  
 Kim, Yoonsang ..... SYM6-3  
 Kimber, Catherine ..... POD7-7  
 Kimmel, Heather ..... SYM20-1  
 King, Andrea ..... POD1-3

# SRNT 2022 • AUTHOR INDEX

Kingsley, Melody .....PP-50, POD7-1  
 Kinsell, Miranda B. ....PP-94  
 Kirby, Carrie .....PP-40  
 Kirchner, Thomas R. ....SYM9-3  
 Kittel, Carol .....PP-8, PP-11  
 Kleinjan, Marloes .....POD13-1  
 Kleinsasser, Mike J. ....PP-41  
 Klemperer, Elias M. ....PP-2  
 Klerx, Walther N. ....PP-23  
 Knapp, Jess .....POD5-7  
 Kāneakua, Bree .....POD11-1  
 Kock, Loren .....PP-48  
 Kong, Amanda Y. ....PP-29  
 Kong, Grace .....SYM8-1, POD12-6  
 Kota, Katanoda .....PP-98  
 Kresovich, Alex .....POD2-8  
 Krishnan, Nandita .....PP-101  
 Krishnan-Sarin, Suchitra .....SYM19-1, SYM19-4  
 Kroart, Laura .....POD12-1, PP-62  
 Kuk, Arnold .....PP-89  
 Kuo, Caroline .....POD5-6  
 Kwan, Benjamin .....POD5-1  
 Kwon, Diana M. ....PP-17, SYM2-2, POD11-6  
 Kyriakos, Christina N. ....SYM4-2

## L

Laestadius, Linnea .....PP-57, POD12-6  
 Lam, Cho .....POD1-3  
 Lam, TuKiet .....SYM16-4  
 Lambert, Leah .....SYM19-2, SYM19-3  
 Lambert, Victoria .....POD5-4, PP-108  
 Layton, John .....POD13-4  
 Leas, Eric .....PP-106, POD2-4  
 Leavens, Eleanor .....SYM19-2, SYM19-3  
 Lechner, William V. ....POD9-7  
 Lee, Angela .....SYM16-4  
 Lee, Boram .....PP-50, POD7-1  
 Lee, Dustin C. ....SYM11-5  
 Lee, Ell .....PP-56  
 Lee, Juliet .....POD11-7  
 Lee, Sangah .....PP-30  
 Lee, Stephanie S. ....PP-28  
 Le Grande, Michael .....SYM17-3  
 Lempert, Lauren .....PP-43  
 Lenhoff, Katie .....POD1-3, POD10-4  
 LePine, S. Elisha .....PP-2  
 Lepore, Stephen .....PP-88  
 Lerman, Caryn .....PP-7  
 Lerner, Jennifer .....SYM13-1, SYM13-2  
 LeSage, Mark .....PP-81  
 Leshner, Glenn .....POD2-3  
 Lesser, Glenn .....PP-8  
 Leung, Janni .....PP-16  
 Levine, Hagai .....PP-55  
 Levinson, Arnold .....POD1-3  
 Levy, David .....PP-90, PP-97, SYM4-1, SYM4-5, POD7-6  
 Levy, Douglas E. ....PP-28, PP-50, POD7-1, POD10-5  
 Lewis, Sarah .....POD5-5  
 Li, Dongmei .....PP-57, SYM12-3  
 Li, Lin .....SYM17-3  
 Li, Wei .....PP-61  
 Li, Xiaoyin .....POD8-1

Li, Yisheng .....POD10-2  
 Liber, Alex .....POD7-3, POD7-6  
 Lim, Carmen .....PP-16  
 Lindblom, Eric N. ....PP-5  
 Lindgren, Bruce .....PP-9  
 Lindson, Nicola .....PP-87  
 Ling, Pamela .....PP-43, SYM11-2, POD13-6  
 Liow, Kore Kai .....POD11-1  
 Lipperman-Kreda, Sharon .....POD4-1  
 Litwin, Alain .....POD5-7  
 Liu, Jessica .....SYM13-1, POD15-2  
 Liu, Jiaying .....PP-110, PP-111  
 Liu, Jie .....PP-40  
 Liu, Michael .....PP-92, SYM6-4  
 Liu, Tina .....POD4-5  
 Liambi, Laura .....POD7-4  
 Lockhart, Darcy E. ....POD9-6  
 Long, Lauren .....SYM12-2  
 Lotfipour, Shahrdad .....POD3-2  
 Louaddi, Oulaya .....POD9-4  
 Loud, Emily .....POD5-4  
 Loukas, Alexandra .....PP-116, POD8-1, POD8-5  
 Louviere, Jordan .....POD2-6  
 Lovett, Ray .....SYM1-3  
 Lozano, Patricia .....POD14-1  
 Lu, Bo .....PP-94  
 Luciani, Karling R. ....SYM7-1  
 Lunn, Mitchell .....POD9-4  
 Lydon-Staley, David M. ....SYM13-4

## M

Ma, Yan .....POD8-4  
 Macdonald, Christel .....POD5-1  
 Machado, Ana .....POD9-4  
 Machado, Nathalia M. ....PP-53  
 Macisco, Joseph .....PP-115  
 Maddox, Raglan .....SYM1-2, POD11-2  
 Madison, Matthew C. ....POD14-4  
 Madison, Stefani .....SYM2-4  
 Maggi, Rachel M. ....SYM9-2  
 Maglalang, Dale Dagar .....PP-30  
 Magnée, Tessa .....PP-26  
 Mahabee-Gittens, E. Melinda .....PP-6, POD4-4  
 Mahamad, Syed .....PP-49  
 Maher, Erin .....POD3-4, POD6-6, SYM7-4  
 Mahler, Stephen V. ....SYM7-3  
 Mahmud, Ahmed S. ....POD12-8  
 Mahoney, Martin .....PP-7, POD5-3  
 Maisto, Stephen A. ....PP-15  
 Majmundar, Anuja .....POD4-2, POD12-6  
 Maley, Grace E. ....SYM12-1  
 Malone, Ruth .....SYM17-5  
 Mansuri, Shahid .....SYM16-4  
 Mantey, Dale .....PP-118, POD8-2  
 Maravic, Melissa .....POD5-2  
 Margarolli, Camilla .....POD14-4  
 Marsh, Louise .....PP-54, PP-59  
 Marshall, Anna-Marie .....POD15-4, POD15-5  
 Marti, Nathan .....POD8-5  
 Martin, Laura E. ....SYM21-3  
 Martinez, Diana .....POD11-7  
 Martinez, Joshua D. ....PP-80

## SRNT 2022 • AUTHOR INDEX

Martinez, Sydney A.	.....	POD10-1	Morgan, Jennifer	.....	POD12-7
Martinez, Ursula	.....	SYM2-3	Morphett, Kylie	.....	SYM17-1, SYM17-4
Massey, Zachary B.	.....	POD4-7	Muelken, Peter	.....	PP-81
Mathew, Amanda	.....	POD10-3	Mulder, Haley A.	.....	PP-73
Matsunaga, Masako	.....	POD11-1	Mull, Kristin E.	.....	PP-17, SYM2-2, POD11-6
Matthews, Eva	.....	PP-40	Murdaugh, Laura B.	.....	PP-83
Mattick, Richard	.....	POD5-1	Murphy, James G.	.....	PP-34
Matuskey, David	.....	PP-75	Murphy, Sharon	.....	POD11-3
Mays, Darren	.....	PP-2, POD2-3, POD2-7, SYM12-2	Murray, Rachael L.	.....	POD5-5
Mazhar, Laraib	.....	SYM10-3	Mussulman, Laura M.	.....	SYM21-3
Maziak, Wasim	.....	PP-61	Muthumalage, Thivanka	.....	POD14-6
McCabe, Sean Esteban	.....	POD9-1	Myers Gamliel, Vicki	.....	POD15-3
McCarthy, Danielle E.	.....	POD1-5, POD10-6			
McCarthy, William J.	.....	PP-41			
McClermon, Joe	.....	SYM4-7			
McClure, Erin	.....	PP-5			
McClure, Laura	.....	PP-61			
McCutchan, Grace	.....	POD5-5			
McGehee, Daniel	.....	POD3-1	Nagelhout, Gera	.....	PP-26, PP-99
McGlave, Claire	.....	PP-50	Nagendra, Arundati	.....	POD5-2
McGowan, Amanda L.	.....	SYM13-4	Nahhas, Georges	.....	PP-71
McIntosh, Scott	.....	POD2-1, SYM12-3	Nail, Kayli	.....	POD10-1
McKee, Sherry	.....	SYM5-1, SYM16-4	Nairn, Angus	.....	SYM16-4
McLean, Dave	.....	PP-122	Narake, Sameer	.....	PP-41
McMahan, Christopher	.....	SYM18-4	Nargis, Nigar	.....	POD4-2
McMains, Joshua T.	.....	PP-111	Nava, Ruben	.....	POD1-2
McNeel, Timothy S.	.....	PP-27	Navarro, Mario	.....	PP-86
McNeill, Ann	.....	PP-5, PP-71, PP-99, PP-121, SYM4-3, SYM10-3, SYM11-6, SYM14-4	Nazir, Niaman	.....	SYM21-3
McRobbie, Hayden	.....	PP-87, POD5-1, SYM17-4	Neal, Richard	.....	POD5-5
Meade, Cathy D.	.....	SYM2-3	Neilands, Torsten B.	.....	SYM11-2
Medina-Ramirez, Patricia	.....	SYM2-3	Nelson, Lonnie A.	.....	POD11-6
Mehra, Rashmi	.....	POD15-4, POD15-5	Nemeth, Julianna	.....	PP-115
Meier, Ellen	.....	POD11-3	Neslund, Elizabeth	.....	POD3-5
Meissner, Helen I.	.....	POD12-6	Neumann, Dominik	.....	POD9-4, POD9-5
Melzer, Anne	.....	PP-9	Nez-Henderson, Patricia	.....	SYM1-1
Mendelsohn, Colin	.....	POD5-1	Nguyen, Angela	.....	POD13-7
Mendy, Angelico	.....	POD4-4	Nguyen, Nhung	.....	SYM11-2
Meng, Gang	.....	PP-31, SYM4-1, POD7-5	Niederdeppe, Jeff	.....	POD5-4
Mercincavage, Melissa	.....	POD2-2	Nielson, Michelle	.....	POD11-7
Merianos, Ashley L.	.....	PP-6, POD4-4	Nighbor, Tyler	.....	PP-95
Mermelstein, Robin	.....	PP-2, SYM14-2	Niznik, Taylor	.....	PP-34, PP-107
Merrill, Renae	.....	PP-35	Nkosi, Lungile	.....	POD12-4
Metcalfe, Tim	.....	PP-21	Noar, Seth M.	.....	POD2-8
Meza, Rafael	.....	PP-10, PP-65, PP-90, PP-97, SYM4-5	Nolan, Douglas	.....	POD10-1
Mildrum Chana, Sofia	.....	POD8-6, POD13-7	Nolan, Margaret	.....	POD1-3, POD10-6
Miliano, Cristina	.....	PP-83	Nollen, Nicole L.	.....	SYM2-2
Miller, Connor R.	.....	PP-98	Nollen, Nikki	.....	SYM19-2, SYM19-3
Miller, David	.....	PP-8	Nonnemaker, James	.....	SYM2-5
Miller, Lesley	.....	PP-48	North, Caroline	.....	POD8-5
Mills, Sarah D.	.....	PP-29	Notley, Caitlin	.....	PP-20, PP-48, PP-87, POD7-7
Minacapilli, Mauricio	.....	POD7-4	Núñez, Virginia	.....	POD7-4
Minion, Mara	.....	POD10-4	Nwanah, Patrick	.....	POD10-3
Minnix, Jennifer	.....	PP-10	Nyman, Amy	.....	POD4-7
Mishu, Masuma	.....	SYM10-3			
Mistry, Ritesh	.....	PP-41			
Mohn, Paloma	.....	PP-40			
Mok, Yoonseo	.....	PP-10			
Monical, Alexis J.	.....	POD3-1			
Mons, Ute	.....	PP-99			
Montes de Oca, Gabriela	.....	POD9-4			
Moodie, Crawford	.....	PP-121			
Moore, Roland	.....	POD11-7			
Moran, Meghan	.....	PP-114			
Morello, Paola	.....	POD15-5			



# SRNT 2022 • AUTHOR INDEX

Opio, Abari Francis .....SYM4-6  
 Opperhuizen, Antoon .....PP-23  
 Ossip, Deborah .....POD2-1, SYM12-3  
 Ostroff, Jamie .....PP-10, PP-11, POD10-4  
 Ostroumov, Alexey .....SYM16-2, SYM16-2  
 Osuoha, Ezinwa .....PP-30  
 Ouimet, Janine .....PP-98, POD7-5

## P

Pacek, Lauren .....SYM4-7  
 Pachas, Gladys .....POD5-2  
 Page, Michelle K. ....SYM12-1  
 Palenski, Paige .....POD13-7  
 Palmer, Amanda M. ....PP-14, POD13-2  
 Pandey, Ashish .....PP-47  
 Pang, Raina D. ....SYM15-1  
 Parker, Maria A. ....PP-103  
 Parodi, Carolina .....POD7-4  
 Parra, Natalia .....PP-39  
 Parrott, Steve .....POD5-5  
 Pasch, Keryn E. ....PP-70, PP-116  
 Patel, Akash .....PP-90  
 Patel, Minal .....SYM6-4  
 Patten, Christi A. ....POD11-6  
 Patterson, Joanne .....PP-115  
 Paul, Christine .....POD5-1  
 Percy, Adam C. ....PP-73  
 Peasley-Miklus, Catherine .....PP-2, POD2-7  
 Pednekar, Mangesh S. ....PP-41  
 Pentz, Mary Ann .....SYM9-4  
 Pepper, Jessica K. ....SYM2-5  
 Perez, Adriana .....PP-89, PP-112, POD8-3  
 Pericot-Valverde, Irene .....POD5-7  
 Perry, Robin N. ....PP-77  
 Perusco, Andrew .....SYM17-1  
 Pesko, Michael .....POD7-6  
 Peterson, Nicole .....SYM15-1  
 Petrie, Dennis .....POD5-1  
 Pham, Giang .....POD1-1, POD4-3  
 Phan, Lilianna .....PP-27, POD4-5, POD4-6  
 Phartiyal, Preeti .....PP-16  
 Philibert, Robert .....POD6-4  
 Picciotto, Marina .....SYM16-4, SYM16-4  
 Pickworth, Wallace .....PP-34  
 Pierce, John .....PP-92, PP-106, POD2-4  
 Pike, Brittany .....SYM21-5  
 Pokhrel, Subhash .....SYM10-1, POD15-5  
 Poole, Nikita .....PP-26  
 Popova, Lucy .....PP-71, POD4-7  
 Porticella, Norman .....POD5-4  
 Potter, Jennifer .....POD9-4  
 Potter, Kevin .....POD5-2  
 Pouranik, Nidhi S. ....PP-47  
 Powell, Lynda .....POD10-3  
 Powers, Jessica .....PP-15  
 Pratt, Rebekah J. ....PP-37  
 Pravosud, Vira .....PP-43  
 Presant, Cary .....POD1-3  
 Prestage, Garrett .....SYM2-1  
 Price, Patricia .....POD13-6  
 Priest, Jeffrey S. ....POD2-7  
 Prochaska, Judith .....POD1-3, SYM21-4, SYM21-5

Prokhorov, Alexander V. ....PP-122  
 Prutzman, Yvonne .....PP-18  
 Puljevic, Cheneal .....SYM17-1, SYM17-4  
 Pulvers, Kim .....PP-106, POD2-4, SYM19-3  
 Puntambekar, Namrata .....PP-41  
 Purkayastha, Arunima .....PP-84

## Q

Qian, Yiqi .....PP-28  
 Quah, Anne .....SYM4-1, SYM4-2, POD7-5, PP-5, PP-98  
 Quaife, Samantha L. ....POD5-5  
 Quigg, Robib .....PP-54  
 Quigg, Robin .....PP-59  
 Quinn-Scoggins, Harriet .....POD5-5  
 Quintiliani, Lisa M. ....POD13-5  
 Quisenberry, Amanda .....SYM4-6

## R

Raghunathan, Trivellore .....PP-41  
 Rahman, Basma .....PP-113  
 Rahman, Irfan .....SYM12-3, POD14-6  
 Rahman, Mohammad A. ....POD12-8  
 Rahman, Mostafizur .....POD12-8  
 Rahman, Yumna .....POD6-5  
 Ramanadhan, Shoba .....POD9-4  
 Ramirez, Susanah .....PP-114  
 Ramo, Danielle E. ....POD13-6  
 Ramondetta, Lois M. ....POD10-2  
 Ramos, Guadalupe .....POD1-4  
 Ramsey, Alex .....POD1-1, POD1-2, POD10-4, SYM18-5  
 Rasheduzzaman, A.B.M .....POD12-1, PP-62  
 Rath, Jessica M. ....PP-114  
 Reddy, Krishna P. ....PP-28  
 Reed, Ellaina N. ....PP-95  
 Rees, Vaughan W. ....SYM13-1, SYM13-2  
 Regan, Susan .....POD10-5  
 Reid, Jessica L. ....SYM4-3  
 Reimer, Rachel .....POD6-4  
 Reimold, Alexandria E. ....PP-29  
 Remels, Alexander H. ....PP-23  
 Reynolds, Matthew .....POD15-2  
 Reynolds, Reed .....POD4-7  
 Rhodes, Kristine .....POD11-3  
 Ribisl, Kurt .....PP-113  
 Rice, Myra .....SYM19-3  
 Richards, Kizzy .....PP-48  
 Richardson, Montana .....SYM7-2  
 Richmond, Robyn L. ....POD5-1  
 Richter, Kimber .....PP-21, PP-53, SYM21-3  
 Rickabaugh, Tammy .....PP-84  
 Rigotti, Nancy .....PP-10, PP-50, PP-87, POD7-1, POD10-5  
 Ritter, Tara .....POD10-1  
 Rivard, Cheryl .....PP-120, SYM11-3  
 Robert, Jane .....POD9-4  
 Roberts, Jane .....POD15-2  
 Roberts, Megan E. ....PP-94, SYM9-1, SYM12-2  
 Robertson, Lindsay .....PP-56, SYM3-4, POD15-7  
 Rodrigues, Leticia .....POD14-1  
 Rodriguez, Victor .....POD14-1

- Rodríguez-Bolaños, Rosibel .....PP-33, PP-45, PP-60  
 Rogers, Erin S. ....SYM21-4  
 Rogers, Neil .....SYM16-1  
 Rogers, Todd .....SYM6-1  
 Rogerson, Suzanne .....POD5-5  
 Rojewski, Alana M. ....PP-14  
 Rolland, Betsy .....POD1-3, POD10-4  
 Romer, Dan .....POD12-6  
 Romm, Katelyn F. ....PP-55, POD8-4  
 Rose, Shyanika .....PP-113, SYM6-4  
 Rosemeyer, Mary Clare .....POD12-8  
 Rosen, Debra .....PP-39  
 Rosen, Laura .....POD15-3  
 Roth, Prerana .....POD5-7  
 Rothman, Alex .....PP-9  
 Rubenstein, Dana .....SYM4-7  
 Ruffolo, Jessica .....POD6-3  
 Russel, Nicholas M. ....PP-83  
 Rykaczewski, Clara .....PP-94
- S**
- Saladin, Michael E. ....POD13-2  
 Saliba, Najat .....POD6-1  
 Salloum, Ramzi G. ....POD1-3, POD10-4  
 Salman, Rola .....PP-76, PP-78, POD6-1, POD14-2  
 Salvia, Meg .....POD9-4  
 Samet, Jonathan .....POD2-5, SYM9-4  
 Sanchez, Sherald .....PP-91  
 Sanchez-Romero, Luz Maria .....POD7-6  
 Sanders, Emily C. ....PP-86  
 Sanders-Jackson, Ashley .....POD9-4, POD9-5  
 Sanford, Brandon T. ....PP-14  
 Sanford, Kealey-Rei .....POD15-7  
 Santiago-Torres, Margarita .....PP-17, POD11-6  
 Sanzo, Nora .....POD2-8  
 Saraf, Sejal .....PP-47, PP-62, POD12-1  
 Sassano, Maria F. ....POD14-3  
 Satchell, Tyra .....PP-66  
 Saunders, Gretchen .....SYM18-2  
 Sawyer, Leslie .....POD13-1, POD13-3  
 Saxton, Peter .....SYM2-1  
 Schauer, Gillian L. ....PP-5  
 Schertz, Kelsey .....PP-9  
 Scheuermann, Taneisha .....SYM21-3  
 Schiavone, Louis .....POD9-4  
 Schillo, Barbara .....PP-66, PP-67, SYM6-1, SYM6-3, SYM6-4, POD7-3  
 Schisler, Eric .....PP-35  
 Schmidt, Michael .....PP-61  
 Schneller, Liane .....PP-102, PP-120  
 Schnoll, Robert A. ....PP-7, POD10-4  
 Schwartz, Elizabeth L. ....SYM9-1  
 Schwartz, Rob .....SYM4-1  
 Schwartz, Robert .....PP-91  
 Scout .....POD9-4  
 Scroggs, Lauren .....SYM4-7  
 Sebrie, Ernesto M. ....PP-58, POD12-8  
 Seemiller, Laurel .....POD3-3  
 Self-Brown, Shannon R. ....POD11-5, POD12-2, POD12-5  
 Sellers, David .....SYM17-1  
 Sen, Chadani .....PP-84  
 Sepansk, Abigail .....POD5-7  
 Severini, Gianella .....PP-58  
 Shah, Radhika R. ....PP-50, POD7-1  
 Shah, Vandana .....POD12-8  
 Shahab, Lion .....PP-48, PP-100  
 Shakeshaft, Anthony .....POD5-1  
 Shang, Ce .....SYM12-2  
 Shao, Yihan .....SYM12-3  
 Sharma, Akshika .....PP-120  
 Sharma, Eva .....SYM20-2  
 Shebl, Fatma M. ....PP-28  
 Sheehy, Ann .....POD1-5  
 Sheeran, Paschal .....POD2-8  
 Sheffer, Christine E. ....SYM11-3  
 Shegog, Ross .....PP-122  
 Shelley, Donna .....PP-11  
 Shergina, Elena .....SYM21-3  
 Sherman, Scott E. ....SYM21-4  
 Shevorykin, Alina .....SYM11-3  
 Shi, Dingjing .....SYM14-2  
 Shia, David .....PP-84  
 Shih, Ya-Chen Tina .....POD10-2  
 Shihadeh, Alan .....PP-76, PP-78, POD6-1, POD14-2  
 Shimul, Shafiun N. ....PP-117  
 Shoben, Abigail .....POD2-3  
 Shoenbill, Kimberly A. ....POD1-3  
 Shukla, Radha .....SYM10-2  
 Siddiki, Zayed A. ....POD12-8  
 Siddiqi, Kamran .....SYM10-4, POD15-4, POD15-5, POD15-6  
 Sidhu, Anupreet .....POD2-2  
 Sidhu, Natasha K. ....POD9-7  
 Siegel, Leeann N. ....PP-18, PP-109  
 Silinski, Peter .....SYM12-4  
 Silver, Diana R. ....SYM9-3  
 Simmons, Vani N. ....SYM2-3, POD10-2, POD13-3  
 Simon, Patricia .....SYM19-1  
 Sinamo, Joshua .....PP-47  
 Singer, Daniel E. ....POD10-5  
 Singer, Jill M. ....PP-94  
 Singh, Mongjam M. ....SYM10-4  
 Singh, Rana J. ....PP-47  
 Sisson, Michelle L. ....POD13-7  
 Skora, Amy .....POD1-5, POD10-6  
 Smiley, Sabrina L. ....SYM6-2, SYM9-4  
 Smith, Alexandria .....SYM2-5  
 Smith, Danielle M. ....PP-5, PP-98  
 Smith, Jaiden N. ....SYM7-1  
 Smith, Jessica .....PP-18  
 Smith, Katherine C. ....POD12-3  
 Smith, Katie M. ....POD10-2  
 Smith, Michael A. ....PP-34, PP-107  
 Smith, Philip .....SYM15-1  
 Smith, Tracy .....PP-71  
 Smock, Nina .....POD1-1, POD4-3  
 Smoot, Charles .....PP-40  
 Sokolovsky, Alexander .....PP-30  
 Song, Glory .....PP-50, POD7-1  
 Sonnet, Abdullah .....SYM10-4  
 Soto, Claradina .....POD1-4  
 Soule, Eric .....SYM4-1  
 Souprountchouk, Valentina .....POD2-2  
 Spangler, John .....PP-8  
 Spears, Claire .....POD4-7, POD11-5, POD12-2, POD12-5  
 Spillane, Torra E. ....SYM9-2  
 Springer, Andrew E. ....PP-118

# SRNT 2022 • AUTHOR INDEX

Stansell, Stephanie ..... PP-14  
 Stanton, Cassandra ..... PP-57, SYM20-4  
 Stead, Martine ..... PP-121  
 Stein, Jeffrey S. .... SYM4-4  
 Steinberg, Jane ..... SYM6-2  
 Steinberg, Michael ..... PP-85  
 Steinberg, Sabrina ..... POD9-3  
 Steiner, Margaret ..... POD10-6  
 Stelter, Tony ..... PP-53  
 Stepanov, Irina ..... PP-81  
 Stephens, Daniel K. .... PP-66  
 Sterling, Kymberle ..... PP-89  
 Stevens, Elise M. .... POD2-3  
 Stilinovic, Anne ..... POD1-2  
 Stjepanovic, Daniel ..... PP-16  
 Stoklosa, Michal ..... POD7-6  
 Stone, Matthew ..... PP-106, POD2-4  
 Stone, Rebecca ..... PP-8  
 Strahley, Ashley E. .... POD9-6  
 Strasser, Andrew ..... POD2-2, POD2-7  
 Strong, David ..... PP-40, PP-106, POD2-4, SYM20-3  
 Stroup, Andrea ..... POD12-6  
 Struik, Laura L. .... PP-105  
 Su, Joseph ..... PP-13  
 Sucaldito, Ana ..... PP-115  
 Sullivan, Brianna M. .... PP-17, SYM2-2, POD11-6  
 Sumbe, Aslesha ..... POD8-2  
 Summers, Jennifer ..... SYM17-2  
 Sumodhee, Dayyanah ..... SYM11-6  
 Sun, Tianze ..... PP-16  
 Sutanto, Edward ..... PP-98  
 Sutfin, Erin ..... PP-8, POD2-8  
 Suttirata, Sakinah ..... SYM19-1  
 Sutton, Steven K. .... SYM2-3, POD10-2, POD13-1, POD13-3  
 Swan, Gary ..... PP-7  
 Swartz, Michael D. .... SYM2-4  
 Sweatt, Olivia C. .... POD6-6  
 Sweet, Lawrence H. .... PP-111  
 Sweitzer, Maggie ..... SYM4-7

## T

Tabbakh, Tamara ..... POD2-5  
 Tabuchi, Takahiro ..... PP-98, POD7-5  
 Tackett, Alayna P. .... PP-94, POD9-7  
 Tagliaferri, Scott ..... PP-4  
 Talhout, Reinskje ..... PP-23  
 Talih, Soha ..... PP-76, PP-78, POD6-1, POD14-2  
 Talukder, Saki ..... POD5-1  
 Tam, Aaron ..... PP-40  
 Tan, Andy ..... POD9-4, POD9-5, POD15-2, SYM13-1  
 Tan, Xiaoying ..... POD3-5  
 Tanca, Claudio ..... POD12-8  
 Tarran, Robert ..... PP-79, POD14-3  
 Taylor, Emily ..... POD11-1  
 Taylor, Kathryn ..... PP-10, PP-11, POD1-3  
 Taylor, Nathaniel H. .... SYM2-5  
 Tegge, Allison N. .... SYM4-4  
 Tenner, Craig ..... SYM21-4  
 Theodoulou, Annika ..... PP-87  
 Thomas, Dennis ..... POD5-1  
 Thomas, Jacob E. .... PP-70, PP-116

Thomas, S. J. .... POD8-6  
 Thompson, Mary E. .... PP-31, SYM4-1  
 Thorley, Rebecca ..... POD5-5  
 Thorpe, Hayley H. .... POD6-3  
 Thrasher, James ..... PP-31, PP-33, PP-45, PP-60, PP-71, PP-108, POD2-5, POD5-4  
 Thrul, Johannes ..... SYM11-2  
 Thurer, Richard J. .... PP-61  
 Tidey, Jennifer ..... POD5-6, POD9-6  
 Tindle, Hilary ..... POD1-3, POD10-5  
 Toll, Benjamin ..... PP-10, PP-14, POD13-2, SYM21-1  
 Tomintz, Melanie ..... PP-59  
 Tong, Elisa ..... POD1-3  
 Tonkin, Sarah ..... PP-7  
 Tran, Brian ..... PP-58  
 Tran, Cindy ..... SYM21-5  
 Trapskin, Philip J. .... POD1-5  
 Tsosie, Ursula ..... POD10-4  
 Tulsiani, Shreya ..... PP-93  
 Turner, Tari ..... PP-87  
 Tutka, Piotr ..... POD5-1  
 Tyndale, Rachel ..... PP-7, POD11-3

## U

Ullah, Safat ..... SYM10-4  
 Unger, Jennifer ..... PP-57  
 Ursprung, Sanouri A. .... PP-50, POD7-1  
 Usidame, Bukola ..... PP-31

## V

Valente, Thomas ..... PP-57  
 Vallone, Donna ..... PP-93, POD7-3  
 van den Brand, Floor ..... PP-26  
 van den Putte, Bas ..... PP-26  
 Van den Venne, Judy ..... PP-113  
 Van Dorsselaer, Saskia ..... PP-52  
 van Schooten, Frederik-Jan ..... PP-23  
 Vandrey, Ryan ..... SYM14-2  
 Vantu, Avigail ..... SYM9-3  
 Vassey, Julia ..... PP-57, POD12-6  
 Veliz, Philip ..... POD9-1  
 Vidrine, Damon ..... PP-19, POD10-2  
 Vidrine, Jennifer I. .... PP-19, POD10-2  
 Viereck, Jason ..... POD11-1  
 Villalobos-García, Daniel ..... POD14-1  
 Villanti, Andrea ..... PP-2, PP-34, PP-103, POD2-3, POD2-7, SYM14-2  
 Vincent, Asia ..... SYM13-4  
 Vinci, Christine ..... POD13-1  
 Viswanath, Kasisomayajula ..... POD9-4  
 Vittiglia, Amanda ..... POD2-5  
 Vock, David ..... PP-9  
 Voeller, Alexis S. .... POD14-3



# SRNT 2022 • AUTHOR INDEX

## W

Waa, Andrew .....POD15-7, SYM3-1  
Wackowski, Olivia .....PP-85, POD2-2  
Wagener, Theodore .....PP-94, POD2-3, SYM12-2  
Wagner, Dana .....PP-86  
Wakefield, Melanie .....POD2-5  
Walker, Denise D. ....SYM11-4  
Walker, Joan L. ....POD10-2  
Walker, Kandi L. ....POD13-5  
Walker, Natalie .....POD5-1, SYM2-1  
Wall, Megan .....PP-86, SYM2-5  
Wallach, Joshua D. ....PP-12  
Wallenkamp, Hannah .....POD10-6  
Walsh, Hannah .....SYM11-6, SYM14-4  
Wang, Binhuan .....SYM21-4  
Wang, Ke .....SYM13-1, SYM13-2  
Wang, Xinyi .....SYM13-4  
Wang, Yan .....POD8-4  
Wang, Yu .....POD11-5, POD12-2, POD12-5  
Ward, Emma .....PP-20  
Waring, Joseph .....SYM2-4  
Warren, Graham .....POD1-3, SYM21-1, SYM21-2  
W. Bruijnzeel, Adriaan .....PP-82  
Weafer, Jessica .....POD6-6  
Weaver, Kathryn .....PP-8, PP-11  
Weaver, Natasha .....POD5-1  
Weaver, Scott R. ....POD4-7, POD11-5, POD12-2, POD12-5  
Weinberger, Andrea .....PP-103, SYM11-1, SYM14-1, SYM15-1  
Weinstein, Daniel E. ....POD13-5  
Wermert, Amy .....PP-115  
West, Julia C. ....PP-2  
West, Robert .....POD5-1  
Westmaas, Lee J. ....POD4-2  
Westneat, Susan .....PP-113  
Wetter, David W. ....SYM2-4, POD10-2  
Wharton, Mary K. ....POD4-1  
White, Justin S. ....POD1-3  
Whitsel, Laurie P. ....PP-66  
Whritenour, Gina M. ....POD11-4  
Wicke, Rebekah .....PP-110, PP-111  
Wiesen, Christopher A. ....PP-29  
Wiggers, Danielle .....PP-49  
Wilhelm, April K. ....PP-37  
Wilkinson, Anna .....POD8-1, POD8-2  
Willemssen, Marc .....PP-26, PP-52, PP-99, SYM4-2  
Williams, Randi .....PP-10, PP-11  
Wilson, Nick .....SYM17-2  
Wilson, Rashaun .....SYM16-4  
Wilson, Ryann .....PP-82  
Winickoff, Jonathan .....PP-50, POD7-1, POD15-2  
Wiseman, Kara P. ....PP-18  
Wolford-Clevenger, Caitlin .....POD13-7  
Worsdale, Allison .....PP-110, PP-111  
Wright, Kathy .....PP-47  
Wu, Chung-Li .....PP-108, POD5-4  
Wu, Qi .....POD5-5  
Wyatt, Riley .....PP-34, PP-107  
Wyka, Katarzyna .....SYM11-1  
Wysota, Christina .....PP-55, SYM21-4

## X

Xie, Zidian .....SYM12-3  
Xu, Shaowei .....POD7-5  
Xu, Steve S. ....PP-98

## Y

Yammine, Luba .....SYM5-4  
Yang, Min-Jeong .....POD13-1, POD13-3  
Yang, Tingyi .....POD2-4  
Yang, Youjin (Christine) .....PP-105  
Yassine, Amira .....POD6-1  
Yen, Miao-Shan .....PP-78  
Ylioja, Thomas E. ....POD10-5  
Yong, Hua .....PP-4  
Yoon, Stephanie .....PP-67  
Yoshimi, Itsuro .....PP-98, POD7-5  
Yu, Justin .....POD1-1

## Z

Zabel, Chelsea .....SYM13-1  
Zaidell, Lisa .....POD7-7  
Zakharia, Maral .....POD9-4  
Zarei, Kasra .....POD4-6  
Zavala-Arciniega, Luis .....PP-60, PP-65  
Zeb, Hajo .....POD15-6  
Zehner, Mark .....POD1-5, POD10-6  
Zhang, Chauanwu .....SYM21-3  
Zheng, MingQiang .....PP-75  
Zheng, Pinpin .....POD11-5, POD12-2, POD12-5  
Zhu, ManHua .....SYM16-1, SYM16-1  
Zhu, Shu-Hong .....PP-40  
Zou, Jonathan .....SYM12-3  
Zvolensky, Michael J. ....PP-15, SYM2-2  
Zwaga, DeeJay .....POD10-6  
Zwar, Nicholas A. ....POD5-1