

**Sunday
September 20, 2026**

3:00 PM

University of Kentucky Center for Tobacco
Reference Products Workshop

6:30 PM

Welcome Reception Hosted by Reynolds

Monday Morning - Symposium
September 21, 2026

8:30 AM

Welcome Remarks

Elaine Round, RAI Services Company
Senior Vice President, Scientific & Regulatory Affairs

8:40 AM

Opening Symposium Introduction

Andrew Cheetham, McKinney Specialty Labs
79th Editorial Committee Chair

8:45 AM

The Evolving Landscape of Tobacco Harm Reduction

Willie McKinney, McKinney Specialty Labs
79th Opening Symposium Chair

8:50 AM

1

Peter Joza; Labstat International, Kitchener, ON,
Canada

9:05 AM

2

Jessica Zdinak; Applied Research and Analysis
Company, Richmond, VA, USA

9:20 AM

3

Matthew Farrelly; USA Food and Drug Administration, Washington, DC, USA

9:35 AM

Break

10:05 AM

4

Agustin Rodriguez; Troutman Pepper Locke,
Richmond, VA, USA

10:20 AM

5

Lillian Ortega; WOW Solutions, Washington, DC, USA

10:35 AM

6

Jasjit S. Ahluwalia; Brown University, Providence, RI,
USA

10:50 AM	Discussant Summary
10:55 AM	Panel Discussion & Audience Q&A
11:45 AM	Lunch
1:00 PM	Poster Session

Monday Poster Session

- 7 **EVOLUTION OF TOBACCO/NICOTINE PERCEPTIONS AMONG US ADULTS: A SUMMARY OF TRENDS ACROSS LAST 5 YEARS.** Azure STEELE¹, Zsuzsanna Berensci¹, Elsa Larson¹, Brad Seipel¹ and Ed Carmines²; ¹M/A/R/C Research, Plano, TX, USA, ²Chemular, Inc., Hudson, MI, USA
- 8 **HPHC ANALYSIS OF NIC NAC ORAL NICOTINE LOZENGE TABLET PRODUCTS.** Manoj MISRA, Ed Carmines, and Lise Fraissinet; Chemular, Inc., Hudson, MI, USA
- 9 **IN VITRO TOXICOLOGICAL ASSESSMENT OF NIC NAC ORAL NICOTINE LOZENGE PRODUCTS.** Manoj MISRA, Ed Carmines, and Lise Fraissinet; Chemular, Inc., Hudson, MI, USA
- 10 **INVESTIGATIONS INTO THE CONTRIBUTION OF LACTIC ACID TO ACETALDEHYDE FORMATION DURING E-VAPOR AEROSOL GENERATION.** James BOROWSKI, William P. Gardner, Weiling Li, and Matt S. Melvin; Altria Client Services, Richmond, VA, USA
- 11 **PERCEPTIONS OF HARM, ADDICTIVENESS, AND LOWER-RISK PRODUCT USE ACROSS TOBACCO AND NICOTINE PRODUCTS, 2020–2026: FINDINGS FROM THE NATIONAL TOBACCO USE AND TRANSITIONS SURVEY (NTTS).** Isabelle KATZ¹ and Red Thaddeus D. Miguel²; ¹RAI Services Company, Winston-Salem, NC, USA, ²Thera-Business, Kanata, ON, Canada
- 12 **ANALYTICAL APPROACH FOR INVESTIGATING POTENTIAL LEACHABLE COMPOUNDS IN ENDS.** E. Diane WALLACE, Cameron Smith, Aliya Al-Habsha, and I. Gene Gillman; Juul Labs, Inc., Washington, DC, USA
- 13 **QUANTITATIVE CANCER RISK ASSESSMENT FOR FIVE BREEZE PRO ENDS PRODUCTS AND RELATIVE RISKS TO COMBUSTIBLE CIGARETTE AND FDA-AUTHORIZED ENDS.** Autumn BERNAL¹, Charlene Liu² and Perla Valencia

Landestoy²; ¹Riskwise Solution, Laguna Hills, CA, USA, ²Riskwise Solution, Princeton, NJ, USA

- 14 **MONITORING PUBLIC OPINION TOWARD NEW NICOTINE PRODUCTS: WILL THERE BE A PUBLIC BACKLASH AGAINST FLAVORED ENDS AND POUCHES?** Edward FERRARA, Victoria Hoverman, and Christopher Fleury; Ipsos, Washington, DC, USA
- 15 **A PROPOSED INDUSTRY STANDARD FOR ENDS ANALYTICAL CHEMISTRY DATA REPORTING.** Jiaming WANG, Austin Bates, Douglas Murphy, Karen M. Carter, David Cook, and I. Gene Gillman; Juul Labs, Inc., Washington, DC, USA
- 16 **NOMINAL NICOTINE STRENGTH IS AN UNRELIABLE PREDICTOR OF ABUSE-LIABILITY FOR NICOTINE POUCHES.** Matthew MCMURRAY and Ed Carmines; Chemular, Inc., Hudson, MI, USA
- 17 **ABUSE LIABILITY OF A NOVEL B-CYCLODEXTRIN-BASED NICOTINE POUCH PRODUCT.** Matthew MCMURRAY and Ed Carmines; Chemular, Inc., Hudson, MI, USA
- 18 **THE IMPORTANCE OF USER SURVEYS IN ASSESSING TOBACCO PRODUCT USE PATTERNS TO INFORM REGULATORY DECISION MAKING.** Ian FEARON¹, Matthew McMurray², and Ed Carmines²; ¹Whatif? Consulting, Harwell, Oxfordshire, UK, ²Chemular, Inc., Hudson, MI, USA
- 19 **GENERATIVE AI IN TOXICOLOGY: TECHNIQUES, BEST PRACTICES, POTENTIAL PITFALLS PRESENTED USING FUNCTIONAL USE CASES.** Harish CHEYVA and Felix Ayala Fierro; Juul Labs, Inc., Washington, DC, USA
- 20 **OPTIMIZED GENERATION OF E-LIQUID CONDENSATES FOR NRU ASSAY USING JLI PROPRIETARY PUFFING EQUIPMENT.** Gia-ann NGUYEN, Robert M. Moision, Matthew Mulcahy, Sarah Davidson, Presley Jackson, Johnathan Marquez, Scott Park, Enosh Reeder, Shan-Wei Sun, Tom Vo, Alex Pennington, and Kaila Kleckner; Juul Labs, Inc., Washington, DC, USA
- 21 **EVALUATION OF THE ABUSE LIABILITY OF SIBERIA NICOTINE POUCH PRODUCTS.** Ed CARMINES¹, Karen Carmines¹, Lise Fraissinet¹, and Naama Levy-Cooperman²;

¹Chemular, Inc., Hudson, MI, USA, ²Altreos Research Partners, Toronto, ON, Canada

- 22 **DEVELOPMENT OF A PRECLINICAL RODENT MODEL FOR ORAL NICOTINE POUCH DELIVERY SYSTEMS USING MUCOADHESIVE POLYMERS.** Claire RAY, Chris Richards, and Callista Huber; University of Kentucky, Lexington, KY, USA
- 23 **NON-TARGETED CHARACTERIZATION OF 6-METHYLNICOTINE ORAL POUCH AND E-VAPOR PRODUCTS.** Jacqueline COLLINS; McKinney Specialty Labs, Richmond, VA, USA
- 24 **ASSESSMENT OF PURCHASE INTENT AND INTENDED USE BEHAVIORS FOR VELO PLUS NICOTINE POUCHES AMONG TOBACCO USERS AND NONUSERS.** Omeed Rahimi and Susan MARTELLE; Reynolds American, Winston-Salem, NC, USA
- 25 **EVALUATING INTRA AND INTER BRAND NICOTINE DISSOLUTION PROFILES IN NICOTINE POUCHES.** Fadi ALDEEK, Akchara Sriram, Sean P. Platt, Abaigeal B. Ritzenthaler, and Mohamadi Sarkar; Altria Client Services, Richmond, VA, USA
- 26 **A QUALITY-DRIVEN CLINICAL ABUSE LIABILITY STUDY DESIGN FOR MODERN ORAL NICOTINE POUCHES.** Kristen PREVETTE, Brian Keyser, Robert Leverette, John Darnell, Rebecca Garcia, and Kristen Jordan; Reynolds American, Winston-Salem, NC, USA
- 27 **DEVELOPMENT OF A MODEL TO PREDICT NICOTINE PHARMACOKINETICS FROM ORAL NICOTINE POUCHES.** Matthias Manne KNOPP¹, Jacob Rune Jørgensen¹, Xia “Summer” Li², Shuzhong “Mark” Zhuang², Jesse Rensch², Jeffery Edmiston², and Fadi Aldeek²; ¹Bioneer A/S, University of Copenhagen, Copenhagen, Denmark, ²Altria Client Services, Richmond, VA, USA
- 28 **CHEMICAL CHARACTERIZATION OF E-LIQUIDS AND AEROSOL FROM E-LIQUIDS CONTAINING NON-TOBACCO NICOTINE (NTN) OR TOBACCO-DERIVED NICOTINE (TDN).** Ye TAO and Mimy Young; Food and Drug Administration, Silver Spring, MD, USA
- 29 **CLOSING THE PH GAP: COMPREHENSIVE CHARACTERIZATION OF 22 ORGANIC ACIDS IN THE USA ILLICIT DISPOSABLE ENDS MARKET.** Carol PERRY, Alex Pennington, Nick Patterson, Nancy Qian, and I.

Gene Gillman; Juul Labs, Inc., Washington, DC, USA

- 30 **COMPARATIVE TOXICOLOGICAL ASSESSMENT OF SYNTHETIC COOLING AGENTS USED IN NICOTINE PRODUCTS: ARE DATA GAPS DRIVING PERCEIVED RISK?** Bonnie COFFA¹ and Paige N. Wiecinski²; ¹Toxpharm, Mechanicsville, VA, USA, ²Sanova, Mechanicsville, VA, USA
- 31 **COMPOSITIONAL PROFILING OF NICOTINE POUCHES: INSIGHTS FROM 400+ PRODUCTS TESTED IN 2025.** Lindsay REESE¹, Torbjörn Synnerdahl², Jonas Renhult², Marina A. Murphy³, and Markus Lindblad⁴; ¹Snusbolaget Haypp Group, Stockholm, Sweden, ²Eurofins Food & Feed Testing Sweden, Lidköping, Sweden, ³Haypp Limited, Haypp Group, Milton Keynes, UK, ⁴Snusbolaget AB, Haypp Group, Stockholm, Sweden
- 32 **UPDATED WET-BULB APPROACH FOR AEROSOL TEMPERATURE ASSESSMENT OF HEATED TOBACCO, ENDS, AND COMBUSTIBLE PRODUCTS.** Pavel KOSACHEVSKY¹, Peter John Joza², and Denis Moiseenko²; ¹Vitronix, Richmond, VA, USA, ²Labstat International, Kitchener, ON, Canada
- 33 **OPTIMIZATION OF 3-METHYLTHIO-1-PROPANOL PRODUCTION CONDITIONS BY BAIJIU-DERIVED YEAST IN A TOBACCO MATRIX AND THE EFFECT OF ITS FERMENTATION BROTH ON TOBACCO.** Suxing TUO, Jiaxiao Cai, Cheng Yang, Zifeng Li, Dandan Meng, Ziyu Zhao, Kangming Chen, Yongzhi Li, Ting Deng, Qian Liu, Meng Ye, Zhiwei Han, and Xinhui Peng; China Tobacco Hunan Industrial Co., Ltd., Changsha, Hunan, China
- 34 **MAKING HPHC STABILITY DATA SUBMISSION-READY: FROM MANUAL SPREADSHEETS TO TRACEABLE WORD NARRATIVES USING AUTOMATION.** Karen CARTER, Jiaming Wang, Austin Bates, David Cook, and I. Gene Gillman; Juul Labs, Inc., Washington, DC, USA
- 35 **ESTABLISHING A CUSTOM-MADE QUALITY CONTROL FOR VAPOR PRODUCTS.** Jordan CHAPMAN, Bradley Reed, Mari Yang, Kavan Elliott, Stephen Vance, Justin Anderson, and Roy Hutchins; Eurofins Professional Scientific Services South, Winston-Salem, NC, USA
- 36 **EVALUATION OF TRANSFER EFFICIENCY OF SWEETENERS AND COOLANTS IN DISPOSABLE ELECTRONIC NICOTINE DELIVERY SYSTEMS**

(ENDS). Manali AGGRAWAL, K. Cervania, R.M. Moision, A. Pennington, and I.G. Gillman; Juul Labs, Inc., Washington, DC, USA

37 **METAL CONCENTRATIONS IN ILLICIT DISPOSABLE ENDS AEROSOLS TO END OF LIFE.** Morgan WINTERS, D. Collins, P. Lavisetty, K.E. Humphries, and I.G. Gillman; Juul Labs, Inc., Washington, DC, USA

38 **CHARACTERIZATION OF NICOTINE DISSOLUTION PROFILES FROM ORAL NICOTINE PRODUCTS USING USP 1 AND USP 4 APPARATUSES.** Akchara SRIRAM and Fadi Aldeek; Altria Client Services, Richmond, VA, USA

39 **POPULATION HEALTH IMPACT OF MARKETING NICOTINE POUCHES IN THE US.** Thad HANNEL, Pawk Lizhnyak, Yisha He, and Raheema Muhammad-Kah; Altria Client Services, Richmond, VA, USA

40 **A HAZARD ASSESSMENT FRAMEWORK FOR NATURAL FLAVOR COMPLEXES USED IN ORAL TOBACCO PRODUCTS.** Marisa KREIDER¹, Stephanie Thornton¹, Dami Adebambo¹, and Andrey Massarsky²; ¹Stantec Consulting Services, Pittsburgh, PA, USA, ²Stantec Consulting Services, Irvine, CA, USA

41 **AN EVALUATION OF THREE ELECTRICALLY HEATED WATERPIPES DESIGNED FOR CONSUMER USE.** John LAUTERBACH; Lauterbach & Associates, Deland, FL, USA

42 **EXPECTED IMPACT OF ONE-TIME DEVICE LOCKING ON UNDERAGE ENDS USE BASED ON NYTS DATA ON SOURCES OF ACCESS.** Arielle SELYA, Floe Foxon, and Saul Shiffman; Pinney Associates, Pittsburgh, PA, USA

Monday Afternoon - Session A

Characterization of Emerging 6-Methylnicotine Products

Session Chair:
Roxana Weil, McKinney Specialty Labs

2:10 PM Welcome

2:15 PM 43 **HPHC CHARACTERIZATION OF 6-METHYLNICOTINE MODERN ORAL**

PRODUCTS. Andrew CHEETHAM and Joseph Jablonski; McKinney Specialty Labs, Richmond, VA, USA

2:35 PM 44 **HPHC CHARACTERIZATION OF 6-METHYLNICOTINE CONTAINING ENDS PRODUCTS.** Joseph JABLONSKI and Andrew Cheetham; McKinney Specialty Labs, Richmond, VA, USA

2:55 PM 45 **COMPARATIVE TOXICOLOGICAL EVALUATION OF NICOTINE AND 6-METHYLNICOTINE COMMERCIAL PRODUCTS.** Mariano SCIAN, C.M. Wiliford, A.B. Bhatnagar, G.E. Freeman, B.C. Smith, K.M. Parker, J.P. Johnson, O.A. Lilygren, D.C. Kim, K.B. Weir, E.S. Bozik, C. Porter, E. Faulker, N. Ramirez, K. Richardson, A. Geary, and M. Kraetsch; McKinney Specialty Labs, Richmond, VA, USA

3:15 PM 46 **PHARMACOLOGICAL AND TOXICOLOGICAL EVALUATION OF NIXODINE-S™ RELATIVE TO NICOTINE.** Marissa SMITH¹, Rick Avila², Roxana E Weil¹, and Willie J McKinney¹; ¹McKinney Regulatory Science Advisors, Henrico, VA, USA, ²Bonguard Naturals, Seguin, TX, USA

3:35 PM **Break**

**Monday Afternoon - Session A
(continue)**

**Regulatory Policy, Perception
& Public Health**

*Session Chairs:
Jennifer Smith, Altria Client Services*

4:05 PM Welcome

- 4:10 PM 47 **SAFETY SURVEILLANCE FOR THE TOBACCO HEATING SYSTEM: THE JOURNEY FROM CLINICAL STUDIES TO REAL-WORLD SETTING.** Brindusa TARANU; Philip Morris International, Neuchâtel, Switzerland
- 4:30 PM 48 **CONSUMER ADAPTATION TO NICOTINE POUCH FLAVOR RESTRICTIONS IN CALIFORNIA.** Marina MURPHY¹, Anca Pasare Dinca², Lindsay Reese², and Jon Lauricia²; ¹Haypp Group, London, UK, ²Haypp Group, Stockholm, Sweden
- 4:50 PM 49 **PREMIUM PRODUCTS, SUPERGENERICS, AND ADVANCING THE HARM REDUCTION CLIFF: WHAT MIGHT THE FUTURE LOOK LIKE?** Gal COHEN; Rose Research Center, Bel Tiburon, CA, USA
- 5:10 PM 50 **US HEALTHCARE PROVIDER PERCEPTIONS OF THE RELATIVE RISK OF TOBACCO PRODUCTS: IMPLICATIONS FOR CONVERSATIONS WITH PATIENTS WHO SMOKE.** Susan MARTELLE¹, Michael Polster², and Deena Battista³; ¹Reynolds American, Winston-Salem, NC, USA, ²NAXION, Philadelphia, PA, USA, ³Womble Bond Dickinson, Winston-Salem, NC, USA

5:30 PM

Adjourn

Monday Afternoon - Session B

Agronomy

Session Chair:

William A. Bailey, University of Kentucky

2:10 PM

Welcome

- 2:15 PM 51 **DETERMINATION OF THE CONTROL EFFECT OF *ALCALIGENES FAECALIS* W-33 ON CIGAR TOBACCO BACTERIAL WILT AND ROOT-KNOT NEMATODE DISEASES.** CHEN Dexin¹, Zhao Mengzhen², Wang Shuai², Lv Shutian², Xia Changjian¹, and Sun Ranfeng², ¹Haikou Cigar Research Institute, Hainan Provincial Company of China National Tobacco Corporation, Haikou, Hainan, China, ²Key Laboratory of Green Prevention and Control of Tropical Plant Diseases and Pests, Ministry of Education, School of Tropical Agriculture and Forestry, Hainan University, Danzhou, Hainan, China
- 2:35 PM 52 **GIBBERELLIN-MEDIATED ALUMINUM TOLERANCE IN TOBACCO THROUGH CELL WALL REMODELING AND CASPARIAN STRIP FORMATION.** Lele DENG¹, Qi Wu², Yekun Yang¹, Changbo Dai², Wenwu Yang¹, Yanju Shuai¹, Kunmiao Wang¹, Jianduo Zhang¹, Chao Li¹, Song Miao¹, Jianjun Xia¹, and Xuemei Li¹; ¹China Tobacco Yunnan Industrial Co., Ltd., Kunming, Yunnan, China, ²Tobacco Research Institute, Chinese Academy of Agricultural Sciences, Qingdao, China
- 2:55 PM 53 **EFFECTS OF PHASE-SPECIFIC NICOTINE INTERVENTION ON THE HUMIFICATION OF TOBACCO WASTE COMPOSTING AND ITS MICRO-ECOLOGICAL MECHANISMS.** LIU Dandan¹, Xu Shaoqi², Niu Chenqi¹, Cui Zhongyue¹, Huang Kuo¹, Li Dong¹, Jin Yiyi², Zhang Qianying³, and Ye Changwen¹; ¹Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, Henan, China, ²Tsinghua University, Haidian District, Beijing, China, ³China Tobacco Sichuan Industrial Co., Ltd. of CNTC, Chengdu, Sichuan, China

**Monday Afternoon - Session B
(continue)**

- 3:15 PM 54 **DEEP TILLAGE MITIGATES SOIL THERMAL FLUCTUATIONS AND RESHAPES SOIL MICROBIOMES IN A TOBACCO-RICE ROTATION SYSTEM.** Deng YAQIN¹, Xinyu Hu², Lei Yang², Kaifeng Shuai³, Zhihua Zhang³, Minggang Chen³, Guangjue Peng⁴, Ruiwen Hu⁴, Juan Li⁴; ¹Hunan Agricultural University, Changsha, Hunan, China, ²China Tobacco Hunan Industrial Co., Ltd.,

Changsha, Hunan, China, ³China Tobacco Hunan Provincial Company, Changde Branch, Changde, Hunan, China, ⁴Hunan Agricultural University, Changsha, Hunan, China

3:35 PM

Break**Methods & Process Development I**

Session Chair:

Joseph Jablonski, McKinney Specialty Labs

4:05 PM

Welcome

4:10 PM

55

ANALYSIS OF HPHC HETEROCYCLIC AROMATIC AMINES IN CIGARETTE SMOKE. Serban MOLDOVEANU; Eurofins Lancaster Lab, Winston-Salem, NC, USA

4:30 PM

56

OVERCOMING MATRIX-INDUCED SUPPRESSION AND THERMAL DEGRADATION IN TERPENOID PROFILING VIA SYNCHRONIZED INLET TRACKING AND HIGH-HEAT PURGE. Norman FRALEY, Martha Y. Garcia Cervantes, and Beth Anderson Stump; Juul Labs, Inc., Washington, DC, USA

4:50 PM

57

SIMULTANEOUS NITRATE, PROPIONATE, SORBATE AND CITRATE ANALYSIS IN TOBACCO USING AN ION CHROMATOGRAPHY COUPLED WITH SUPPRESSED CONDUCTIVITY AND ULTRAVIOLET DETECTION. Eka Pria Utama MULYANA; PT. Filtrona Manufacturing Indonesia, Filtrona, Sidoarjo, East Java, Indonesia

**Monday Afternoon - Session B
(continue)**

5:10 PM

58

STUDY ON THE APPLICATION OF TOBACCO STEMS FERMENTATION BY GANODERMA LUCIDUM FERMENTATION BROTH COMBINED WITH CELLULASE. Ma Yaping¹, Liu Minchang¹, Gu Ruifang¹, ZHANG Rongya¹, Tian Yongqiang², Li Li¹, Bao Tingjie¹, and Wen Wu¹; ¹Technology Center, China Tobacco Sichuan Industrial Co., Ltd., Chengdu, China, ²College of

Biomass Science and Engineering, Sichuan
University, Chengdu, China

5:30 PM

Adjourn

**Tuesday Morning - Session A
September 22, 2026**

**Panel: How Can a Smoke-Free Future be
Realized and Sustained in the United States?**

Session Chair:

Andrea Vansickel, Altria Client Services

8:30 AM

Welcome

- 59a **A CONCEPTUAL FRAMEWORK FOR
REALIZING TOBACCO HARM REDUCTION IN
THE UNITED STATES: CURRENT PROGRESS
AND FUTURE DIRECTION. Andrea VANSICKEL;**
Altria Client Services, Richmond, VA, USA
- 59b **EVIDENCE FOR THE HARM REDUCTION
POTENTIAL OF ENDS AND "SICK
QUITTER/SWITCHER" EFFECTS FROM A
LINKED SURVEY AND ELECTRONIC HEALTH
RECORDS STUDY. Derek POPE¹, Jason N.
Kennedy², Corey Neff², Chris Freehauf², Jenny Cai²,
Sonam D. Lama², Piotr M. Wargocki³, Yan Wang¹, and
Mingda Zhang¹; ¹Altria Client Services, Richmond,
VA, USA, ²Oracle Health and Life Sciences, Austin,
TX, USA, ³Oracle Health and Life Sciences, Paris,
France**
- 59c **HARM REDUCTION IN NEVER-SMOKERS?
RETHINKING POPULATION HEALTH
IMPLICATIONS IN AN ERA OF DECLINING
CIGARETTE SMOKING. Arielle SELYA and
Sooyong Kim; Pinney Associates, Pittsburgh, PA, USA**

59d **MINIMIZING YOUTH ACCESS AND USE WHILE MAXIMIZING THE AVAILABILITY OF NEXT GENERATION NICOTINE PRODUCTS FOR ADULTS WHO SMOKE.** Andrea PATTON, Gabriel Barnard, and Neil McKeganey; Centre for Substance Use Research, Glasgow, Scotland, UK

9:55 AM

Break

**Tuesday Morning - Session A
(continue)**

10:25 AM

59e **AN OPEN DOOR OR A BARRIER TO ENTRY? HOW RISK PERCEPTIONS SHAPE ACCESS IN TOBACCO HARM REDUCTION.** Jessica SEIFERT; Philip Morris International, Washington, DC, USA

59f

FROM PRODUCT TO POPULATION: ESTIMATING PRODUCT-VARIANT PUBLIC HEALTH IMPACTS OF AGE-GATED BREEZE PRO ENDS. Ryan SELTZER¹, Piotr Gromski², Gabriel Barnard², and Christopher Russell³; ¹Safety In Numbers, Tucson, AZ, USA, ²Centre for Substance Use Research, Glasgow, Scotland, UK, ³Russell Burnett Research and Consultancy, Glasgow, Scotland, UK

Panel Discussion & Audience Q&A

12:00 PM

Lunch

1:00 PM

Poster Session

**Tuesday Morning - Session B
September 22, 2026**

Product Characterization or Comparison

*Session Chair:
Jake Hilldrup, McKinney Specialty Labs*

8:30 AM

Welcome

- 8:35 AM 60 **ASSESSING THE BIO-RELEVANCE OF IN VITRO DISSOLUTION METHODS FOR NICOTINE POUCHES.** Johanna UNOSSON and Emelie Återgård; Emplicure Consumer AB, Uppsala, Sweden
- 8:55 AM 61 **TRANSLATING ESG GOALS INTO MEASURABLE KPIS FOR CELLULOSE ACETATE FILTERS.** Michael MAZZOTTA; Eastman, Kingsport, TN, USA
- 9:15 AM 62 **QUASI-TARGETED SCREENING STRATEGY COMBINED WITH COMPREHENSIVE TWO-DIMENSIONAL GC×GC-HIGH RESOLUTION ORBITRAP MASS SPECTROMETRY FOR IN-DEPTH ANALYSIS OF AROMA COMPONENT RELEASE DIFFERENCES IN SMOKE FROM DIFFERENT SEGMENTS OF CIGARS.** Yuqi CAO, Junjie Li, Da Wu, and Wenbo Gu; Technology Center, Shanghai Tobacco Group Co., Ltd. of CNTC, Shanghai, China
- 9:35 AM 63 **ANALYSIS OF CHEMICAL AND APPEARANCE DIFFERENCES IN YUNNAN REDRIED TOBACCO LEAVES OF DIFFERENT GRADES DURING AGING.** Xiaotian SHI¹, Liu Li², Liu Xiaohan¹, Ren Zhaoxiang¹, Huang Kaidong¹, Hou Zihang¹, Long Fei³, Chen Jun³, and Yang Weibin¹; ¹Guangdong Shaoguan Tobacco Redrying Co., Ltd. of CNTC, Shaoguan, Guangdong, China, ²China Tobacco Guangdong Industrial Co., Ltd. of CNTC, Guangzhou, Guangdong, China, ³China Tobacco Hubei Industrial Co., Ltd. of CNTC, Wuhan, Hubei, China

9:55 AM

Break

**Tuesday Morning - Session B
(continue)**

**Leveraging Artificial Intelligence
in Nicotine Science**

Session Chair:
Candi Cunningham, RAI Services Company

10:25 AM

Welcome

10:30 AM	64	A MODERATOR'S PERSPECTIVE: EVALUATION OF AI MODERATION TASKS AS PART OF A HUMAN-CENTRIC APPROACH TO RESEARCH ON THE EXPERIENCE OF REDUCED RISK ORAL NICOTINE POUCH USE. Brian BARNES, Maria Torres, Michael Feehan, Elsa Larson, and Brad Seipel; M/A/R/C Research, Plano, TX, USA
10:50 AM	65	LEVERAGING AI TO UNLOCK RWD FOR TOBACCO HARM REDUCTION RESEARCH. <u>Chris FREEHAUF</u> , Matthew Quinn, Miguel Pardo, Melissa Dietrich, Jason Kennedy, Jenny Ca, and Anna Dumas; Oracle Life Sciences, Austin, TX, USA
11:10 AM	66	MAKING AI USEFUL FOR SCIENTIFIC INFORMATICS: PAIRING DATA WITH PURPOSE-BUILT TOOLS. <u>Mark CROSSWHITE</u> ; ConsulticX Sciences, Statesville, NC, USA
11:30 AM	67	MACHINE LEARNING IDENTIFICATION OF PRODUCT ATTRIBUTES ASSOCIATED WITH NICOTINE PHARMACOKINETICS UNDER CONTROLLED USE CONDITIONS. <u>Matthew MCMURRAY</u> , Jay Hanlon, and Ed Carmines; Chemular, Inc., Hudson, MI, USA
11:50 AM	68	ASL-MNET: AN ADAPTIVE SEGMENT LEARNING-BASED BIMODAL SEQUENCE FUSION FRAMEWORK FOR TOBACCO NIR–TG ANALYSIS. <u>Chengxu ZHENG</u> , Fu Liao, Yongsheng Li, Xianwei Hao, Shitou Li, Yunong Tian, Shiming Zhang, Zhenjie Zhao, Qingxiang Li, Jialei Jiang, Wenniao He, Yiming Bi, Chen Xia, Hui Wang, and Yuhan Peng; China Tobacco Zhejiang Industrial Co., Ltd. of CNTC, Hangzhou, Zhejiang, China
12:10 PM		Lunch
1:00 PM		Poster Session

Tuesday Poster Session

- 69 **CANADIAN NHP BIOCOMPATIBILITY ASSESSMENT OF NEO 4MG ORAL NICOTINE POUCH.** Manoj MISRA¹, Lise Fraissinet¹, Alan Scott¹, Ed Carmines¹, and Mher Manukyan²; ¹Chemular, Inc., Hudson, MI, USA, ²Swedish Smokeless Solutions AB, Enköping, Sweden
- 70 **Withdrawn**

- 71 **DESIGN AND EXECUTION CONSIDERATIONS FOR MODERN ORAL NICOTINE PRODUCT USE TESTING METHODOLOGIES IN COMMERCIAL RESEARCH.** Sarah CUNNINGHAM, Azure Steele, Stacey Bell, Taylor Lang, Michael Feehan, and Brad Seipel; M/A/R/C Research, Plano, TX, USA
- 72 **JUUL₂ AEROSOL STABILITY AFTER EXTENDED BULK E-LIQUID STORAGE AND POD STORAGE.** Candice JONGSMA, Karen Carter, David Cook, and I. Gene Gillman; Juul Labs, Inc., Washington, DC, USA
- 73 **REVIEW OF ETHANOL EVIDENCE FOR POTENTIAL CONTRIBUTION TO THE EXCESS LIFETIME CANCER RISK (ELCR).** Felix AYALA-FIERRO and Michael Oldham; Juul Labs, Inc., Washington, DC, USA
- 74 **EHTPS: ONLINE PUFF BY PUFF NOX AND MAINSTREAM AEROSOL TEMPERATURE DETERMINATION.** Thomas SCHMIDT, Katrin Schad, and Frank Kraemer; Koerber Technologies Instruments, Hamburg, Germany
- 75 **TOXICOLOGICAL ASSESSMENTS - VALIDATION OF LM₅E IVS THROUGH DOSIMETRY AND EFFECT OF REDUCING AEROSOL PATHWAY ON THE EVM LOSS.** Thomas SCHMIDT, Katrin Schade, and Frank Kraemer; Koerber Technologies Instruments, Hamburg, Germany
- 76 **NICOTINE POUCH USE IN THE UNITED STATES AMONG ADULTS WHO SMOKE COMBUSTIBLE CIGARETTES AND ADULTS WHO USE E-CIGARETTES.** Andrea PATTON, Gabriel Barnard, and Neil McKeganey; Centre for Substance Use Research, Glasgow, Scotland, UK
- 77 **MODERN ORAL NICOTINE POUCH ABUSE LIABILITY AND NICOTINE PHARMACOKINETICS ASSESSED IN A RANDOMIZED CROSSOVER CLINICAL STUDY.** Brian KEYSER, Robert Leverette, Emily Smith, Sarah A. Ayoku, Joshua Sandefur, Claude Cavallo, Sarah A. Baxter, and Kristen G. Jordan; RAI Services Company, Winston-Salem, NC, USA

- 78 **PATTERNS IN BEHAVIORAL INTENTIONS FOR ORAL NICOTINE POUCH PRODUCTS AMONG TOBACCO USERS AND NONUSERS AFTER EXPOSURE TO PROMOTIONAL MATERIALS.** William LENAHAN, Diana L. McKinney, Jonathan M. Gallegos, and Elizabeth A. Becker; Altria Client Services, Richmond, VA, USA
- 79 **AI-BASED NICOTINE PHARMACOKINETIC PREDICTION TO SUPPORT PRODUCT DEVELOPMENT AND REGULATORY DECISION-MAKING.** Matthew MCMURRAY, Jay Hanlon, and Ed Carmines; Chemular, Inc., Hudson, MI, USA
- 80 **QUIT INTENTIONS AND SMOKING CESSATION IN THE CONTEXT OF SMOKE-FREE PRODUCTS: A LONGITUDINAL ANALYSIS OF WAVES 5 – 7 OF THE POPULATION ASSESSMENT OF TOBACCO AND HEALTH (PATH) ADULTS STUDY.** Emer NGAMASANA¹, Andrew Joyce², Tryggve Ljung³, Samantha Cwalina⁴, and Jessica Seifert⁴; ¹Philip Morris International, Washington, DC, USA, ²SANOVA, Richmond, VA, USA, ³PMI, Neuchâtel, Switzerland, ⁴PMI USA Corporate Services, Washington, DC, USA
- 81 **COMPARATIVE AEROSOL CHARACTERIZATION OF HPHCS FROM A CLOSED-SYSTEM E-VAPOR PRODUCT, IN-CLASS COMPARATORS, AND 1R6F REFERENCE CIGARETTE.** Kyle PFEIFFER, Jim Skapars, Stephanie Hobaugh, William O'Connor, Yezdi B. Pithawalla, and Weiling Li; Altria Client Services, Richmond, VA, USA
- 82 **METHODOLOGICAL CONSIDERATIONS FOR TOBACCO HARM REDUCTION RESEARCH IN YOUTH AND YOUNG ADULTS.** Chris FREEHAUE, Jenny Cai, Jason Kennedy, Melissa Dietrich, Jennifer O'Brien, Jason Isaacs, and Anna Dumas; Oracle Life Sciences, Austin, TX, USA
- 83 **PROFICIENCY TESTING USING CERTIFIED REFERENCE TOBACCO PRODUCTS.** Ruth MCNEES¹, Matthew Craft¹, James Hunsucker¹, JT Hall¹, Ling Yuan¹, Stacey Slone², and Nannan Li²; ¹Kentucky Tobacco Research and Development Center, University of Kentucky, Lexington, KY, USA, ²Dr. Bing Zhang Department of Statistics, University of Kentucky, Lexington, KY, USA

- 84 **COMPARATIVE LITERATURE REVIEW OF MICROBIAL CONTAMINATION IN TRADITIONAL VERSUS MODERN ORAL TOBACCO AND TOBACCO-RELATED PRODUCTS.** Dami ADEBAMBO¹, Stephanie A. Thornton¹, Marisa L. Kreider¹, and Andrey Massarsky²; ¹Stantec Consulting Services, Pittsburgh, PA, USA, ²Stantec, Irvine, CA, USA
- 85 **INTEGRATED SAFETY EVALUATION OF THE TOBACCO HEATING SYSTEM (THS): EVIDENCE FROM A POOLED CLINICAL POST-HOC ANALYSIS.** Nicolas BLANC; Philip Morris International, Neuchâtel, Switzerland
- 86 **PHYSICAL AND CHEMICAL CHARACTERIZATION OF AEROSOLS PRODUCED FROM NICOTINE SALT-BASED E-LIQUIDS.** Trevor HARRIS; Food And Drug Administration, Silver Spring, MD, USA
- 87 **EVALUATION OF THE ABUSE LIABILITY OF NIC NAC TOBACCO-FREE NICOTINE LOZENGES COMPARED WITH USUAL-BRAND CIGARETTES.** Naama Cooperman¹, Mathew MCMURRAY², Ed Carmines², Lise Fraissinet², Karen Carmines², Megan Shram¹, and Mitchell Nides³; ¹Altros Research Partners, Toronto, ON, Canada, ²Chemular, Inc., Hudson, MI, USA, ³LA Clinical Trials, Burbank, CA, USA
- 88 **A GC-MS SEMI-QUANTITATIVE WORKFLOW FOR NATURAL ESSENTIAL OILS: A CASE STUDY ON PEPPERMINT OIL.** XIAO Junfei¹, Zhang Min¹, Wang Di¹, Yang Wenbin¹, Yu Hanmou¹, Zhang Zhonghu¹, Zhong Qiaoxia¹, Liu Shaohua¹, and J. Nicol²; ¹Shenzhen Yupeng Technology Co., Ltd., Shenzhen, Guangdong, China, ²JTN Consulting Limited, Glasgow, Scotland, UK
- 89 **CYTOTOXIC AND MECHANISTIC RESPONSES OF THE EPIORAL[™] TISSUE MODEL TO ORAL NICOTINE PRODUCTS WITH STABILITY ANALYSIS OF EXTRACTS.** Michael HOLLINGS, Emma Rothwell, Adam Seymour, Robel Medhane, and Jacob Lawrance; Labcorp, Harrogate, North Yorkshire, UK
- 90 **VALIDATION OF SMOKE AND E-CIGARETTE AEROSOL METALS ANALYSIS BY ICPMS FOR HEATED PRODUCT (HP) USING IMPINGERS.** Milton DAS, Emma Willis, Jamil Gray, Timothy Johnston, and Stephen Vance; Eurofins Professional Scientific Services South, Winston-Salem, NC, USA

- 91 **DUAL-USER TRANSITIONS TO ENDS AS A FUNCTION OF ENDS FLAVORS – FINDINGS AND SENSITIVITIES.** Joshu SANDEFUR, Molly Ehrig, and Susan Martelle; Reynolds American, Winston-Salem, NC, USA
- 92 **FROM CONCEPT TO COMPLIANCE: NAVIGATING THE REGULATORY PATHWAY FOR ORAL NICOTINE POUCHES TO BE LICENSED AS NICOTINE REPLACEMENT THERAPY IN CANADA.** Lise FRAISSINET¹, Jon Paul Powers², Ed Carmines¹, Manoj Misra¹, Jenelle Patterson², and Alan Scott¹; ¹Chemular, Inc., Hudson, MI, USA, ²Gowling WLG, Toronto, ON, Canada
- 93 **DETERMINATION OF PESTICIDES IN MODERN ORAL NICOTINE POUCHES BY GC-MSMS.** Peter JOZA, Angel Rodriguez-Lafuente, Hongxia Li, Rebecca Cornelius, and Malcolm Saxton; Labstat International, Kitchener, ON, Canada
- 94 **HEALTH-RELATED QUALITY OF LIFE ACROSS TOBACCO AND NICOTINE PRODUCT USE STATUSES: EQ-5D-5L FINDINGS FROM THE NATIONAL TOBACCO USE AND TRANSITIONS SURVEY (NTTS).** Molly EHRIG¹ and Red Thaddeus D. Miguel²; ¹Reynolds American, Winston-Salem, NC, USA, ²Thera-Business, Kanata, ON, Canada
- 95 **IMAGE-BASED SIMULATED USE METHODS FOR EVALUATING APP-CONNECTED ENDS.** Sawyer HUBBARD; Reynolds American, Winston-Salem, NC, USA
- 96 **MEASUREMENT AND REPORTING OF PUFFING TOPOGRAPHY IN E-CIGARETTE AND HEATED TOBACCO PRODUCT STUDIES.** Jason KENNEDY¹, Jenny Cai², Chris Freehauf², Melissa Dietrich², Sonam Lama², Corey Neff², Bradley Brown³, Jason Winter³, and Kambrie Brandt³; ¹Oracle Life Sciences, Pittsburgh, PA, USA, ²Oracle, Austin, TX, USA, ³Carolina Medical Electronics, East Bend, NC, USA
- 97 **DEFINING FUNCTIONAL PERFORMANCE IN CELLULOSE ACETATE FILTERS: FROM LABORATORY METRICS TO MANUFACTURING REALITY.** Michael MAZZOTTA; Eastman, Kingsport, TN, USA
- 98 **CORRELATING MATERIAL PROPERTIES WITH TEXTURE HARDNESS AND CONSUMER PERCEPTION**

- IN NICOTINE GUM PRODUCTS.** Pashupati POKHAREL, Floyd T. Francis, and Fadi Aldeek; Altria Client Services, Richmond, VA, USA
- 99 **GAS–PARTICLE PARTITIONING OF FLAVOR COMPOUNDS IN E-CIGARETTE AEROSOLS: MEASURED VS MODELED.** Nandita SINGH, A. Huang, R.M. Moision, M. Gonzalez, G. Holloway, and J. Kurzman; Juul Labs, Inc., Washington, DC, USA
- 100 **SEPARATE VERSUS COMBINED AEROSOL FRACTIONS FOR ELECTRONIC NICOTINE DELIVERY SYSTEMS (ENDS) IN VITRO TOXICOLOGICAL EVALUATIONS.** Reagan MCRAE¹, Utkarsh Doshi¹, Marisol Gutierrez¹, Dhatri Lakshmanan², and Pavel Kosachevsky²; ¹Altria Client Services, Richmond, VA, USA, ²Labstat International, Kitchener, ON, Canada
- 101 **ACHIEVING CLARITY IN CMR DEFINITION AND CLASSIFICATION: WORKING TOWARDS A CONSOLIDATED FRAMEWORK.** Emmanuel MINET¹, Autumn Bernal², Georgiana Cava¹, Kerstin Reichmann¹, and Shaun Murray¹; ¹Imperial Brands, Bristol, UK, ²Toxcreative, Laguna Hills, CA, USA
- 102 **INTEGRATING QUANTITATIVE RISK ASSESSMENT INTO POPULATION MODELING TO ESTIMATE PRODUCT-SPECIFIC ALL-CAUSE, CANCER, AND NONCANCER OUTCOMES.** Ryan SELTZER¹, Autumn Bernal², Charlene Liu², Piotr Gromski³, Gabriel Barnard³, and Christopher Russell⁴; ¹Safety In Numbers, Tucson, AZ, USA, ²Riskwise Solution, Princeton, NJ, USA, ³Centre for Substance Use Research, Glasgow, Scotland UK, ⁴Russell Burnett Research and Consultancy, Glasgow, Scotland UK
- 103 **EVALUATING THE THERMAL AND OXIDATIVE STABILITY OF 60 ENDS FLAVORANTS: A MULTI-INSTRUMENTAL SCREENING APPROACH.** Laura STRIEPE, Vincent Nip, Gia-Ann Nguyen, and Bob Moision; Juul Labs, Inc., Washington, DC, USA

Tuesday Afternoon - Session A

Panel: Applying FDA’s 2025 Analytical Method Validation Guidance to Smoke Free Tobacco Products: Practical Challenges and Emerging Approaches

Session Chair:
Karl Wagner, Altria Client Services

2:10 PM Welcome

104 **APPLYING FDA'S 2025 ANALYTICAL METHOD VALIDATION GUIDANCE TO SMOKE FREE TOBACCO PRODUCTS: PRACTICAL CHALLENGES AND EMERGING APPROACHES.**
Karl WAGNER¹, Todd CECIL², Xiaohong Cathy JIN¹, Thad HANNEL¹, and Alex PENNINGTON³; ¹Altria Client Services, Richmond, VA, USA, ²US FDA Center for Tobacco Products, Silver Spring, MD, US, ³Juul Labs, Inc., Washington, DC, USA

Panel Discussion & Audience Q&A

4:00 PM **Break**

4:20 PM **TSRC Business Meeting**
All attendees are encouraged to attend

6:00 PM **Adjourn**

Tuesday Afternoon - Session B

Behavioral Research

Session Chair:
Josh Karelitz, Altria Client Services

2:10 PM Welcome

2:15 PM 105 **AGE-GATING AND OLDER ADULTS: THE USE OF GLAS PRODUCTS AS A CASE STUDY FOR THE BENEFITS OF AGE-GATING TECHNOLOGY AND FLAVORED ENDS.** Jessica ZDINAK¹, Kiri Stauch¹, Julie Van¹, Frank Wyman¹, Elizabeth DeMartini¹, Samuel Hampsher-Monk¹, and Ed Carmines²; ¹Applied Research and Analysis Company, Richmond, VA, USA, ²Chemular, Inc., Hudson, MI, USA

2:35 PM 106 **SWITCHING AND SUBSTANTIAL**

REDUCTIONS IN CIGARETTE CONSUMPTION CONCURRENT WITH NATURALISTIC USE OF A RECHARGEABLE ENDS WITH TOBACCO AND MENTHOL FLAVORED CARTRIDGES AMONG OLDER ADULTS (40-70 YEARS) WHO SMOKE IN THE UNITED STATES. Christopher RUSSELL¹, Gabriel Barnard², Venus Marza², and Dylan Grier²; ¹Russell Burnett Research And Consultancy, Glasgow, Scotland, UK, ²Centre for Substance Use Research, Glasgow, Scotland, UK

2:55 PM 107 **COMPLETE SWITCHING, CIGARETTE SMOKING, AND SMOKELESS TOBACCO USE OVER TIME: 6 MONTH RESULTS FROM THE LONGITUDINAL NICOTINE POUCH SURVEY (LNPS).** Aubrey JOHNSON; RAI Services Company, Winston-Salem, NC, USA

3:15 PM 10 **NICOTINE NEXT: A PROFILE OF THE MODERN US NICOTINE POUCH CONSUMER (2025).** Elsa LARSON¹, Zsuzsanna Berencsi¹, Brad Seipel¹, and Jason Carignan²; ¹M/A/R/C Research, Plano, TX, USA, ²Chemular, Inc., Hudson, MI, USA

**Tuesday Afternoon - Session B
(continue)**

3:35 PM 109 **NICOTINE POUCHES AND HARM REDUCTION: INSIGHTS FROM MARKETPLACE BEHAVIOR.** Brandon NEWMYER and Lai Wei; Altria Client Services, Richmond, VA, USA

3:55 PM **Adjourn**

**Wednesday Morning - Session A
September 23, 2026**

Data Analysis & Modeling

Session Chair:
Paul Lizhnyak, Altria Client Services

8:30 AM Welcome

8:35 AM 110 **ESTIMATING POOLED PREVALENCE OF YOUTH TOBACCO USE USING MULTIPLE USA NATIONAL SURVEYS.** Paul LIZHNYAK, Derek A. Pope, Andrea R. Vansickel, and Edward Largo; Altria Client Services, Richmond, VA, USA

8:55 AM 111 **FROM STANDARD TO SUBMISSION: EVALUATING TIG V1.0 THROUGH INDUSTRY PILOT IMPLEMENTATION.** Jon NEVILLE and John Owen; CDISC, Austin, TX, USA

9:15 AM 112 **ASSESSING THE STATISTICAL PRECISION OF BAYESIAN METHODS TO IMPROVE PMTA RESEARCH EFFICIENCY.** Ryan SELTZER¹ and Matthew McMurray²; ¹Safety In Numbers, Tucson, AZ, USA, ²Chemular, Inc., Hudson, MI, USA

9:35 AM 113 **PREDICTION METHOD OF RETENTION RATE FOR PAPER FILTER RODS BASED ON PORE NETWORK MODEL.** R. LIU, G. Jizhao, N. Cong, and S. Xuehui; Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, Henan, China

9:55 AM **Break**

Clinical & Biomarker Research

Session Chair:

Brian Keyser, RAI Services Company

10:25 AM Welcome

10:30 AM 114 **AN ABUSE LIABILITY ASSESSMENT OF NOAT ORAL NICOTINE POUCHES COMPARED WITH CIGARETTES AND A COMPARATOR ORAL NICOTINE POUCH.** L. FEARON¹, A. Haeggqvist², G. Barnard³, and C. Russell⁴; ¹Whatif? Consulting, Harwell, Oxfordshire, UK, ²NOAT, Inc., Hjanarp, Sweden, ³Centre for Substance Use Research, Glasgow, Scotland, UK, ⁴Russell Burnett Research and Consultancy, Glasgow, Scotland, UK

**Wednesday Morning - Session A
(continue)**

10:50 AM 115 **ABUSE LIABILITY ASSESSMENT OF THE PLOOM® SYSTEM.** Joshua KARELITZ¹, Scott Rensch¹, Jason Hong¹, Jeffery Edmiston¹, Jason Flora¹, Brian Nordskog², and Sonny Sisodiya²; ¹Altria Client Services, Richmond, VA, USA, ²JT International SA, Geneva,

Switzerland

- 11:10 AM 116 **CHARACTERIZATION OF NICOTINE PHARMACOKINETICS AND PUFFING TOPOGRAPHY DURING USE OF PROTOTYPE VAPING PRODUCTS IN ADULTS WHO SMOKE.** Katy WEBB, Jingzhu Wang, Yi Ping Chang, Raymond W. Lau, Yezdi B. Pithawalla, and Jeffery Edmiston; Altria Client Services, Richmond, VA, USA
- 11:30 AM 117 **THE MAGNIFICAT STUDY: ASSESSING THE IMPACT OF CIGARETTE SUBSTITUTION WITH E-CIGARETTES ON THE EXPOSURE PROFILE OF DUAL USERS.** Max SCHERER¹, Simona Veigl^{1,2}, Therese Burkhardt¹, Riccardo Polosa^{3,4,5,6}, Jakub Weglarz⁶, Jonathan Belsey⁷, and Nikola Pluym¹; ¹ABF GmbH, Planegg, Bavaria, Germany, ² Technical University of Munich Chair of Analytical Chemistry and Water Chemistry, Garching, Germany, ³ Center of Excellence for the Acceleration of Harm Reduction (CoEHAR), University of Catania, Catania, Italy, ⁴ Department of Clinical & Experimental Medicine, University of Catania, Catania, Italy, ⁵ Faculty of Medicine and Surgery, “Kore” University of Enna, Enna, Italy, ⁶ECLAT Srl, Spin-off of the University of Catania, Catania, Italy, ⁷JB Medical, London, UK
- 11:50 AM 118 **BIOMARKERS OF EXPOSURE AND POTENTIAL HARM IN EXHALED BREATH AND EXHALED BREATH CONDENSATE: NEW INSIGHTS INTO THE RISK ASSESSMENT OF INHALABLE NICOTINE PRODUCTS.** Nikola PLUYM¹, Amin Sajid^{1,2}, Therese Burkhardt¹, Max Scherer¹, and Riccardo Polosa^{3,4}; ¹ABF GmbH Planegg, Bavaria, Germany, ²Department of Chemistry, Ludwig-Maximilians-University Munich, Munich, Germany, ³Center of Excellence for the Acceleration of Harm Reduction/ Department of Clinical & Experimental Medicine, University of Catania, Catania, Italy, ⁴“Kore” University of Enna, Enna, Italy

12:10 PM

Lunch

**Wednesday Morning - Session B
September 23, 2026**

Methods & Process Development II

Session Chair:
Owen Bussey, RAI Services Company

8:30 AM Welcome

8:35 AM 119 **SURFACE ENHANCED RAMAN SPECTROSCOPIC ANALYSIS OF NICOTINE RELEASE FROM ORAL NICOTINE POUCHES IN ARTIFICIAL SALIVA.** Seok Chan PARK¹, Fadi Aldeek¹, Sangjae Kim², and Hoeil Chung²; ¹Altria Client Services, Richmond, VA, USA, ²Department Of Chemistry, Hanyang University, Seoul, Korea

8:55 AM 120 **INTERLABORATORY COMPARISON OF PARTICLE SIZE ANALYSIS METHODS FOR DRY AND WET NICOTINE POUCH FILLERS: A PROFICIENCY TESTING STUDY.** Sean PLATT; Altria Client Services, Richmond, VA, USA

9:15 AM 121 **MECHANISM OF FERMENTATION DURATION ON COMBUSTION AND PYROLYSIS CHARACTERISTICS OF CIGAR TOBACCO LEAVES.** ZHANG Yaping^{1,2}, Chen Mingxi¹, Zhou Shun^{1,2}, He Zengyang¹, Fu Shuo¹, Wang Xiaofeng¹, Yu Dongqi², Zhang Xiaoyu¹, Guo Dongfeng¹, Wang Jian², Sun Lili², and Ge Shaolin^{1,2}; ¹Key Laboratory of Combustion & Pyrolysis Study of STMA (CNTC), Anhui Tobacco Industrial Co., Ltd., Hefei, Anhui, China, ²Anhui Provincial Key Laboratory of Aerosol Analysis, Modulation and Biological Effect, Hefei, Anhui, China

9:35 AM **Break**

ENDS Product Characterization

Session Chair:
Andrew Cheetham, McKinney Specialty Lab

10:25 AM Welcome

Wednesday Morning - Session B (continue)

10:30 AM 122 **USE OF NOVEL HEATING ELEMENT IN AIR CROWN SWITCH ENDS RESULTS IN REDUCTIONS IN HPHCS RELATIVE TO AUTHORIZED PRODUCTS.** Peter WILKINSON¹, A. Clarke¹, R. Barry¹, I. Fearon², M.R. Crosswhite³, R.E. Weil⁴, M.L. Smith⁴, and W.J. McKinney⁴; ¹AIR

Group Ventures, Dubai, UAE, ²Whatif? Consulting, Harwell, Oxfordshire, UK, ³McKinney Specialty Labs, Richmond, VA, USA, ⁴McKinney Regulatory Science Advisors, Richmond, VA, USA

- 10:50 AM 123 **NONCLINICAL ASSESSMENT OF BREEZE PRO ENDS: PRODUCT CHARACTERIZATION, STABILITY, TOXICOLOGY, AND QUANTITATIVE RISK ASSESSMENT IN SUPPORT OF PREMARKET AUTHORIZATION.** Charlene LIU, Autumn Bernal, Bonnie Coffa, Richard Young, Charles Johnson, Mark Crosswhite, Perla Valencia Landestoy, Alex Martin, and Peter Jin; Riskwise Solution, Belle Mead, NJ, USA
- 11:10 AM 124 **STABILITY OF THE PARTICLE SIZE DISTRIBUTION OF SELECTED ELECTRONIC NICOTINE DELIVERY SYSTEM PRODUCTS.** Michael OLDHAM, Lena Jeong, and I. Gene Gillman; Juul Labs, Inc., Washington, DC, USA
- 11:30 AM 125 **PUFF-BY-PUFF AEROSOL AND HEATING ELEMENT TEMPERATURE PROFILING IN E-VAPOR PRODUCTS.** Frank HIGGINS, Kevin Mason, Matt Melvin, and Weiling Li; Altria Client Services, Richmond, VA, USA
- 11:50 AM 126 **A RESEARCH FRAMEWORK TO STUDY THE CHEMICAL STABILITY OF FLAVOR INGREDIENTS IN E-LIQUIDS: IMPLICATIONS FOR RISK MANAGEMENT AND PRODUCT LIFECYCLE CONSISTENCY.** ZHANG Min¹, Yu Hanmou¹, Xiao Junfei¹, Yang Wenbin¹, Zhang Zhonghu¹, Zhong Qiaoxia¹, Liu Shaohua¹, Li Weibo¹, and J. Nicol²; ¹Shenzhen Yupeng Technology Co., Ltd., Shenzhen, Guangdong, China, ²JTN Consulting Limited, Glasgow, Scotland, UK

12:10 PM

Lunch

Wednesday Afternoon - Session A

Harm Reduction in Waterpipe Tobacco Emissions

Session Chair:
Peter Wilkinson, AIR Group Ventures

1:15 PM Welcome

1:20 PM 127 **DEVELOPMENT AND CHARACTERIZATION OF A COMBINED AEROSOL COLLECTION METHOD FOR CHEMICAL AND TOXICOLOGICAL ASSESSMENT OF A HEATED SHISHA PRODUCT.** P.J. WILKINSON¹, A. Clarke¹, R. Barry¹, M.J. Scian¹, I. Fearon², J. Griffith³, C.M. Wiliford⁴, A.B. Bhatnagar³, C. Damron³, C. Porter³, K. Richardson³, E. Faulkner³, and W.J. McKinney⁴;
¹AIR Group Ventures, Dubai, United Arab Emirates,
²Whatif? Consulting, Harwell, Oxfordshire, UK,
³McKinney Specialty Labs, Richmond, VA, USA,
⁴McKinney Regulatory Science Advisors, Henrico, VA, USA

1:40 PM 128 **TOBACCO HARM REDUCTION IN WATERPIPE TOBACCO (WPT) EMISSIONS. PART 1. REDUCTION IN HARM BY SUBSTITUTION OF CHARCOAL AND UNCONTROLLED ELECTRIC HEATERS WITH JUDICIOUS CHOICES OF ELECTRIC HEATERS AND BOWLS.** John LAUTERBACH; Lauterbach & Associates, Deland, FL, USA

2:00 PM 129 **TOBACCO HARM REDUCTION IN WATERPIPE TOBACCO (WPT) EMISSIONS. PART 2. REDUCTION IN HARM BY REPLACEMENT OF WPT INGREDIENTS REPORTEDLY LINKED TO FURANIC COMPOUNDS IN THE EMISSIONS AND OTHER CHANGES IN PROCESSING CONDITIONS RELATED TO HARM REDUCTION.** John LAUTERBACH; Lauterbach & Associates, Deland, FL, USA

Conference Adjourns

Wednesday Afternoon - Session B

Toxicology

Session Chair:

Mariano Scian, McKinney Specialty Labs

1:15 PM Welcome

- 1:20 PM 130 **APPLYING NEW APPROACH
METHODOLOGIES TO COMPARE THE
BIOLOGICAL IMPACT OF NICOTINE POUCHES
AND CIGARETTE SMOKE.** Matthew
STEVENSON¹, Edgar Trelles Sticken², Roman
Wieczorek², Torge Evenburg², Sarah Jean Pour², and
Liam Simms¹; ¹ Imperial Brands, Bristol, UK,
²Reemtsma Cigarettenfabriken, an Imperial Brands
Company, Hamburg, Germany
- 1:40 PM 131 **BEST PRACTICES FOR ASSESSING
CYTOTOXICITY POTENTIAL OF ENDS IN A549
AND BALB/C 3T3 CLONE A31 USING THE
NEUTRAL RED UPTAKE ASSAY.** Matthew
MULCAHY, Juul Labs, Inc., Washington, DC, USA
- 2:00 PM 132 **A DOSIMETRY MODEL FOR ESTIMATING
TISSUE CONCENTRATIONS OF INHALED
FLAVORING COMPOUNDS IN MOUSE AND
HUMAN RESPIRATORY TRACTS.** Jingjie
ZHANG¹, Marisol Gutierrez¹, Todor Antonijevic², and
Marjory Moreau^{2*}; ¹Altria Client Services, Richmond,
VA, USA, ²ScitoVation, Durham, NC, USA (**formerly
of ScitoVation*)

Conference Adjourns