Sunday, September 18, 2016

1:30 PM - University of Kentucky CTRP Proficiency Program Workshop
6:30 PM – Welcome Reception hosted by Cerulean

Monday Morning, September 19, 2016

General Session

8:45  WELCOME: Linda Crumpler, Cerulean, 70th TSRC Chair

8:55  SYMPOSIUM: "Population Health Standards for Tobacco Regulation"
    Chair: Chris Proctor, British American Tobacco (Investments) Limited, Southampton, UK

9:00  1. POPULATION HEALTH STANDARDS FOR MODIFIED RISK TOBACCO PRODUCTS.
    Conrad J. CHOINIERE; FDA Center for Tobacco Products, Silver Spring MD USA

9:30  2. PREDICTING THE POPULATION HEALTH EFFECTS OF CHANGING TOBACCO EXPOSURES:
    STATISTICAL MODELS FOR REGULATORY COMPLIANCE. Annette M. BACHAND and
    Sandra I. Sulsky; Ramboll Environ, Amherst, MA USA

10:00 Break

10:30  3. DESIGN AND IMPLEMENTATION OF PRE- AND POST-MARKETING SURVEILLANCE FOR
    TOBACCO PRODUCTS. Saul SHIFFMAN and Karen K. Gerlach; Pinney Associates, Inc. Pittsburgh, PA USA

11:00  4. CONSUMER TESTING TO ADDRESS POPULATION HEALTH STANDARDS FOR TOBACCO
    PRODUCTS. Geoffrey M. CURTIN; RAI Services Company, Winston-Salem, NC USA

11:30  Panel discussion with all symposium speakers

11:50 Lunch

1:00 Posters

5. “HOOKAHS ARE TASTY AND FUN!?” A QUALITATIVE STUDY OF HOOKAH SMOKING AMONG
   SOUTH AFRICAN UNIVERSITY STUDENTS. Rachana DESAI1, Brendon, R. Barnes2, and Priscilla Reddy3;
   1Human Science Research Council, Cape Town City Central, South Africa, 2University of Johannesburg,
   Johannesburg South Africa, 3University of Western Cape, Western Cape, South Africa

6. DETERMINATION OF LEAKAGE IN E-VAPING PRODUCTS. Hasan GOKSEL and Thomas Jacques;
   Philip Morris Product S.A., Neuchatel, Switzerland

7. DIRECT SINGLE PUFF GC-MS ANALYSIS OF ELECTRONIC CIGARETTES AND THE EFFECT
   OF INTERPUFF INTERVAL ON RELATIVE NICOTINE DELIVERY. Joseph G. LISKO1, Jose J. Perez1,
   Liza Valentin-Blasini1, Clifford H. Watson1, Sydney L. Holmberg2 and Grace E. Lee3; 1US Centers for Disease
   Control and Prevention, Atlanta, GA USA, 2Oak Ridge Institute for Science and Education, Oak Ridge, TN USA,
   3Battell Memorial Institute, Columbus, OH USA

8. REGULATORY IMPLICATIONS OF THE ISO AND FTC SMOKING REGIMENS IN TOBACCO
   PRODUCT REVIEW. Changyu "Jake” CHAE, Matthew J. Walters and Matthew R. Holman; US FDA/ Center for
   Tobacco Products, Silver Spring, MD, USA
9. A PROPOSED APPROACH FOR MODELING HPHC YIELDS. Ali A. ROSTAMI, Yezdi B. Pithawalla, Thaddaeus Hannel, Michael Morton, Jingzhu Wang, Tom Gannon and Karl Wagner; Altria Client Services LLC, Richmond, VA USA

10. DETERMINATION OF BENZO[a]PYRENE IN ELECTRONIC CIGARETTE FORMULATIONS AND AEROSOLS BY GAS CHROMATOGRAPHY-MASS SPECTROMETRY. Regina BALLENTINE, Jason W. Flora and Karl A. Wagner; Altria Client Services, Richmond, VA USA

11. DETERMINATION OF VOLATILE ORGANIC COMPOUNDS (VOCs) IN ELECTRONIC CIGARETTE FORMULATIONS AND AEROSOLS BY GAS CHROMATOGRAPHY-MASS SPECTROMETRY. Anthony P. BROWN, Jason W. Flora and Karl A. Wagner; Altria Client Services, Richmond, VA USA

12. DETERMINATION OF TOBACCO-SPECIFIC NITROSAMINES IN ELECTRONIC CIGARETTE LIQUIDS AND AEROSOLS BY UPLC/MS/MS. Xiaohong "Cathy" JIN, Jason W. Flora, and Karl A. Wagner; Altria Client Services, Richmond, VA USA

13. AN EVALUATION OF CIGARETTE SMOKE AEROSOLS IN VITRO USING A MODIFIED AMES METHODOLOGY AND THE BALB/C 3T3 NEUTRAL RED UPTAKE CYTOTOXICITY ASSAY. Michael HOLLINGS, Adam Seymour, Amber Woodhams, Mark Ballantyne and Julie Clements; Covance Inc., Harrogate, UK

14. PUFF BY PUFF TAR, NICOTINE AND CARBONYL PROFILES UNDER DIFFERENT SMOKING REGIMENS OF COMMERCIAL CIGARETTES WITH VARIOUS CARBON FILTER TECHNOLOGIES. Raymond M. ROBERTSON; Celanese, Narrows, VA USA

15. EXPOSURE ATMOSPHERE CHARACTERIZATION USING TANK VAPE PRODUCT. Amit GUPTA, Barry Hayden, Steve Behringer, Lindsey Petrelle and Ed Psurny; Battelle, Columbus, OH USA

16. DEVELOPMENT & EVALUATION OF A BENCHTOP WALKAWAY PLATFORM FOR THE AUTOMATED SOLVENT EXTRACTIONS OF CAMBRIDGE FILTER PADS AND AGRICULTURAL TOBACCO SAMPLES. Julian "Tony" COX and Justin Lu; Sirius Automation Inc., Buffalo Grove, IL USA

17. EX VIVO EFFECTS OF SMOKELESS TOBACCO EXTRACTS ON SELECT IMMUNE RESPONSES. Gaddamanugu L. PRASAD1, Subhashini Arimilli2, Brad E. Damratoski2, Eckhardt Schmidt1, Jannell Rowe1 and Salem Chouchane4; 1RAI Services Company, 2Wake Forest University Health Sciences, 3R.J. Reynolds Tobacco Co, Winston-Salem, NC USA, 4Eurofins Lancaster Labs Inc, Winston-Salem NC USA

18. DIACETYL AND ACETYLPROPIONYL IN E-LIQUID VAPOR BY STATIC HEADSPACE GCMS. Norman FRALEY; Eurofins Lancaster Laboratories, Winston Salem, NC USA

19. GROUND RAW TOBACCO AND CIGARETTE FILLER REFERENCE PRODUCTS. Huihua Ji Franklin Fannin, Anne Jack, Socrates Canete, Ying Wu and Lowell Bush; University of Kentucky, Lexington, KY, USA

20. EVALUATION OF A BIOMARKER OF OXIDATIVE STRESS: THE 8-ISO PROSTAGLANDIN F2α: PROSTAGLANDIN F2α RATIO IN HUMAN PLASMA. Patrick MILLER1, Kirk Newland1, Alan Dzerk1, Ray Farmen1, Cam Tuan Tran2, Christelle Haziza2 and Patrick Picavet2; 1Celerion, Inc., Lincoln, NE, 2Philip Morris International, Neuchâtel, Switzerland


22. DETERMINATION OF THE AMOUNT OF PON AND NNK IN CURING TOBACCO LEAVES. Ying WU, Huihua Ji, Franklin Fannin, and Lowell Bush; University of Kentucky, Lexington, KY, USA
23. REDUCTIONS IN BIOMARKERS OF EXPOSURE (BOE) TO HARMFUL OR POTENTIALLY HARMFUL CONSTITUENTS (HPHCS) FOLLOWING PARTIAL OR COMPLETE SUBSTITUTION OF CIGARETTES WITH ELECTRONIC CIGARETTES IN ADULT SMOKERS. Grant O‘CONNELL1, Donald W. Graff2 and Carl D'Ruiz3; 1Fontem Ventures B.V, Amsterdam, The Netherlands, 2Celerion Inc, Lincoln, NE USA, 3Fontem Ventures B.V Greensboro, NC USA


25. WHAT IS MEDDRA AND WHY IS IT IMPORTANT FOR ME? Samina QURESHI; PSI INTERNATIONAL, Inc., Fairfax, VA USA

26. SENSITIVITY OF ALTERNARIA ALTERNATA TO AZOXYSTROBIN IN THE SYNERGISTIC EFFECTS OF ALTERNATIVE OXIDATIVE INHIBITOR SALICYLHYDROXAMIC ACID (SHAM), WANG Hancheng1 and Huang Yanfei2; 1Guizhou Academy of Tobacco Science, Guiyang, China, 2Yangtze University, Jingzhou, China

27. CIGARETTE SMOKING AND SMOKING CESSATION RESTORES LARYNGEAL SECRETORY HOMEOSTASIS IN RATS. Rumi UEHA, Satoshi Ueha, Francis Shand, Kouji Matsushima, Takaharu Nito, Kenji Kondo, Yoko Fujimaki, Hironobu Nishijima, Takao Goto, Koichi Tsunoda, Tatsuya Yamasoba; The University of Tokyo, Tokyo, Japan

28. DAMAGE TO OLFATORY PROGENITOR CELLS IS INVOLVED IN CIGARETTE SMOKE-INDUCED OLFATORY DYSFUNCTION IN MICE. Rumi UEHA, Satoshi Ueha, Kouji Matsushima, Takaharu Nito, Kenji Kondo, Shu Kikuta, Kaori Kanaya, Hironobu Nishijima, Tatsuya Yamasoba; The University of Tokyo, Tokyo, Japan

29. DESIGN AND MANUFACTURE OF NEW MODERN BARN AND RACK FOR CURING TOBACCO AND OTHER AGRICULTURAL PRODUCTS. Reza MOHSENZADEH; Iranian Company Tobacco, Behshahr-Mazandaran, Iran

30. DESIGN AND CONSTRUCTION OF LEAF SEWING MACHINE AND COLLECTOR FOR ORIENTAL TOBACCO. Reza MOHSENZADEH and Yaghoob Yaghoobi; Iranian Company Tobacco, Behshahr-Mazandaran, Iran

31. THE CORESTA WEBSITE. B. MANSION1, F. Laures1, N. de Tervarent2, P. M. Guitton2, E. Marignac2, S. Colard3, A. M. Jack1, R. Stevens5, and K. A. Wagner5; 1Mamasam, Vincennes, France, 2CORESTA, Paris, France, 3SEITA-Imperial Tobacco, Fleury-les-Aubrais, France, 4University of Kentucky, Lexington, KY USA, 5ITG Brands, Greensboro, NC USA, 6Altria Client Services, Richmond, VA USA

32. COMPREHENSIVE INSIGHTS INTO TOBACCO SMOKE USING TD-GCXGC-TOF MS WITH TANDEM IONISATION. Matthew EDWARDS1, Stefan Koschinski2, Laura McGregor1, Chris Hall1 and Bob Green4; 1Markes International Ltd, Wales, UK, 2Markes International GmbH, Neu-Isenburg, Germany, 3Markes International, Inc., Cincinnati, Ohio USA, 4SepSolve Analytical, Peterborough, UK
Monday Afternoon, September 19, 2016

Session A  
E-Cigarettes I and Smokeless Tobacco Products  
*Session Chair: Chris Russell*

**2:20 PM**  
33. NICOTINE DELIVERY FROM E-CIGARETTES  
PART 1: STUDY DESIGNS FOR TWO  
PHARMACOKINETIC STUDIES.  
Ian M. FEARON1, Alison Eldridge1, Nathan Gale1, Christopher J. Shepperd1, Mike McEwan1, Oscar M. Camacho1, Eleni Mavropoulou1, Mitch Nides2, Kevin McAdam1 and Chris Proctor1; 1British American Tobacco (Investments) Limited, Southampton, UK, and 2Los Angeles Clinical Trials, Burbank, CA USA

**2:40 PM**  
34. NICOTINE DELIVERY FROM E-CIGARETTES  
PART 2: DATA AND LEARNINGS FROM TWO  
PHARMACOKINETIC STUDIES.  
Ian M. FEARON1, Alison Eldridge1, Nathan Gale1, Christopher J. Shepperd1, Mike McEwan1, Oscar M. Camacho1, Eleni Mavropoulou1, Mitch Nides2, Kevin McAdam1 and Chris Proctor1; 1British American Tobacco (Investments) Limited, Southampton, UK, and 2Los Angeles Clinical Trials, Burbank, CA USA

Session B  
Agronomy I  
*Session Chair: Anne Jack*

**2:20 PM**  
40. THE PATTERN OF BENZO [A] PYRENE AND TOBACCO-SPECIFIC NITROSAMINE ACCUMULATION IN FIRE-CURED TOBACCO; A COMPARISON OF TWO BARN TYPES.  
Anne JACK, Andy Bailey, Angela Schoergendorfer, Huihua Ji and Ying Wu; University of Kentucky, Lexington, KY USA

**2:40 PM**  
41. ESTABLISHING A SAMPLING PROTOCOL TO ESTIMATE TOBACCO SPECIFIC NITROSAMINES IN GROWERS' BALES: RESULTS FROM THE FIRST YEAR OF A TWO YEAR STUDY.  
Colin FISHER and Kristen McQuerry; University of Kentucky, Lexington, KY USA

**3:00 PM**  
35. PATTERNS AND PERCEPTIONS OF E-CIGARETTE USE AND CIGARETTE SMOKING AMONG 20,972 ADULTS IN THE UNITED STATES.  
Christopher RUSSELL1, Mitchell Nides1 and Neil McKeganey2; 1Los Angeles Clinical Trials, Burbank, CA USA, 2Centre for Substance Use Research, 19 Keith Street, Glasgow, UK

**3:50 PM**  
43. GENETIC MAPPING OF GENES REGULATING NICOTINE BIOSYNTHESIS, NIC1 AND NIC2, IN TOBACCO.  
Shengming YANG1, Qiulin Qin1, Dandan Li1, Robert Miller1, Anne Jack1, Matthew Humphry2 and Kieron Edwards2; 1University of Kentucky, Lexington, KY, USA, 2British American Tobacco, Cambridge, UK

3:20 Break

**3:50 PM**  
44. EFFECT ON CULTIVATION AND CURING ON THE CONTENTS OF TERTIARY AMINES IN TOBACCO LEAVES.  
Kei KOBAYASHI and Atsushi Nagai; Japan Tobacco Inc., Yokohama, Japan

**4:10 PM**  
37. NICOTINE RELATED IMPURITIES IN E-CIGARETTE CARTRIDGES AND REFILL FORMULATIONS.  
Jason W. FLORA, Celeste Wilkinson, Kathleen M. Sink, Diana L. McKinney and John H. Miller; Altria Client Services, Richmond, VA USA

**4:10 PM**  
44. EFFECT ON CULTIVATION AND CURING ON THE CONTENTS OF TERTIARY AMINES IN TOBACCO LEAVES.  
Kei KOBAYASHI and Atsushi Nagai; Japan Tobacco Inc., Yokohama, Japan
4:30 PM
38. ANALYSIS OF TSNAS IN NICOTINE USED AS A COMPONENT IN E-LIQUIDS. Serban MOLDOVEANU, Jeff Zhu and Nancy Qian; 1R. J. Reynolds Tobacco Co., 2Eurofins Lancaster Labs. Inc. Winston-Salem, NC USA

4:30 PM
45. ISOLATION AND FUNCTIONAL ANALYSIS OF TOBACCO GLUTAREDOXIN NbGRX1 IN RESPONSE TO DROUGHT STRESS. GUO Yushuang, Yang Zhixiao, Yi Wang, Yu Jing, Zhao Jiechong and Ren Xueliang; Guizhou Academy of Tobacco Science, Guiyang City, China

4:50 PM
39. ANALYSIS OF SOME ORGANIC ACIDS IN TOBACCO LEAF, SNUS AND WET SNUFF. Serban MOLDOVEANU and Scott Wayne, R. J. Reynolds Tobacco Co., Winston-Salem, NC USA

Adjourn

Tuesday Morning, September 20, 2016

Session A
Methods Development & Smoke Chemistry
Session Chair: Thaddeus Jackson

8:20 AM
46. CAMBRIDGE FILTER PAD COLLECTION EFFICIENCY OF MENTHOL FROM E-CIGARETTE AEROSOLS – AN INVESTIGATIVE STUDY. Mehran SHARIFI, Peter Joza, Romulo Lodevico and William Rickert; Labstat International ULC, Kitchener, ON Canada

8:40 AM
47. DETERMINATION OF PON IN TOBACCO AND TOBACCO PRODUCTS USING LC/MS/MS. Huihua JI, Ying Wu, Neil Fannin and Lowell Bush; University of Kentucky, Lexington, KY USA

9:00 AM
48. SELECTED “DEEMING” ANALYTES IN TOBACCO PRODUCT VAPOR PHASE BY VACUUM ULTRAVIOLET (VUV) GAS CHROMATOGRAPHY. Norman FRALEY; Eurofins Lancaster Laboratories, Winston Salem, NC USA

Session B
Human and Biological Studies
Session Chair: Summer Hanna

8:20 AM
55. CHARACTERIZATION OF PUFF TOPOGRAPHY DURING 8-HOURS OF AD LIBITUM USE OF MARKTEN® E-VAPOR PRODUCTS. Jeffery EDMISTON, Yuxi Zhao, Qiwei Liang, Andrea Vansickel, Jianmin Liu and Mohamadi Sarkar; 1Altria Client Services, LLC, Richmond VA USA, 2Eurofins Lancaster Laboratories PSS, c/o Altria Client Services, Richmond, VA USA

8:40 AM
56. RANDOMIZED CONTROLLED TRIAL METHODOLOGICAL CONSIDERATIONS FOR EVALUATING EXPOSURE FROM CIGARETTES AND E-VAPOR PRODUCTS USE UNDER AD LIBITUM AMBULATORY CONDITIONS. Jeffery EDMISTON, Yuxi Zhao, Qiwei Liang, Jianmin Liu, Cheryl Duhon and Mohamadi Sarkar; 1Altria Client Services, LLC, Richmond VA USA, 2Eurofins Lancaster Laboratories PSS, c/o Altria Client Services, Richmond, VA USA

9:00 AM
57. BIOMARKERS OF COMBUSTION-RELATED TOXICANTS DECREASE AFTER SMOKERS SWITCH TO AN ELECTRONIC CIGARETTE. Elaine K. ROUND, Peter Chen, Anthony K. Taylor, Eckhardt Schmidt; RAI Services Company, Winston Salem, NC, USA
9:20 AM
49. BACK-DECK BLEND SEPARATION AND FRONT-DESK BLEND CHEMISTRY. John H LAUTERBACH; Lauterbach & Associates, Macon, GA USA

58. MASS MEDIA AND TOBACCO IN BANGLADESH: AN INVESTIGATION ON THE ROLE OF MASS MEDIA IN THE LIGHT OF TOBACCO CONTROL. Tahsina SADEQUE1 and Kapil Ahmed2; Somoy Media Ltd, Dhaka, Bangladesh, Bangladesh Center for Communication Programs, Dhaka, Bangladesh

9:40 Break

10:10 AM
50. DETERMINATION OF AMMONIA IN CIGARETTE USING OPTIMIZED ION CHROMATOGRAPHY METHOD. YUAN Fei, Zhang Feng, Li WeiQing, Yao Meiyi; Chinese Academy of Inspection and Quarantine, Beijing, China

59. DETERMINATION OF NICOTINE AND ITS METABOLITES IN RAT BRAIN USING MICRODIALYSIS COUPLED WITH UHPLC-Q-EXACTIVE HIGH RESOLUTION MASS SPECTROSCOPY. MAO Jian, Lu Binbin, Li Peng, Liu Junhui, Zhang Wenjuan, Hong Guangfeng, Huo Xiankuan and Sun Shihao; Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, China

10:30 AM
51. CHANGES IN GLYCOSIDE COMPOSITION IN TOBACCO LEAF AFTER HARVEST. Atsushi NAGAI; Japan Tobacco Inc., Yokohama, Japan

60. A PROPOSED BRIDGING APPROACH FOR THE ASSESSMENT OF NOVEL TOBACCO PRODUCTS. Ian M. FEARON, James J. Murphy, Marianna Gaca, Oscar M. Camacho, Krishna Prasad and Christopher Proctor; British American Tobacco (Investments) Limited, Southampton, UK

10:50 AM
52. LOW-TEMPERATURE DERIVATIZATION FOLLOWED BY VORTEX-ASSISTED LIQUID–LIQUID MICROEXTRACTION FOR THE ANALYSIS OF POLYAMINES IN NICOTIANA TABACUM. CAI Kai, Cai Bin, Xiang Zhangmin, Zhao Huina, Pan Wenjie and Lei Bo; Guizhou Academy of Tobacco Science, Guiyang China

53. SIMULTANEOUS QUANTIFICATION OF AMINO ACIDS AND AMADORI PRODUCTS IN TOBACCO LEAVES BY LC–MS/MS. ZHANG Jie, Geng Zhao-liang, Ge Yong-hui, Xiang Zhang-min and Yang Hui; Guizhou Academy of Tobacco Science, Guiyang China

11:10 AM
54. DETERMINATION OF 9 AROMATIC AMINES IN MAINSTREAM SMOKE BY DISPERSE LIQUID PHASE MICROEXTRACTION AND GAS CHROMATOGRAPHY MASS SPECTROMETRY. DENG Huimin, Li Zhonghao, Yang Fei, Fan Ziyin, Heng Yingying, Jiang Xingyi, Tang Gangling and Hu Qingyuan; China National Tobacco Quality Supervision and Test Center, Zhengzhou, China

11:30 AM
55. SIMULTANEOUS QUANTIFICATION OF AMINO ACIDS AND AMADORI PRODUCTS IN TOBACCO LEAVES BY LC–MS/MS. ZHANG Jie, Geng Zhao-liang, Ge Yong-hui, Xiang Zhang-min and Yang Hui; Guizhou Academy of Tobacco Science, Guiyang China

61. SCIENCE BASED APPROACHES FOR DIFFERENTIATING TOBACCO PRODUCT CLASSES. Gaddamanugu L. PRASAD; RAI Services Company, Winston-Salem, NC USA

Lunch
Tuesday Afternoon, September 20, 2016

1:15  Posters Session - The same posters 5 – 32 will be available for a second session.

Session A  E-Cigarettes II
Session Chair: Gene Gillman

2:20 PM

62. FTIR METHOD FOR E-CIGARETTE AEROSOL CHARACTERIZATION.
Falk RADTKE, Anna Susz, Roberto Monni, Andree Stoop, Jan Verbeeck and Serge Maeder; Philip Morris International, Research & Development, Philip Morris Products S.A., Neuchâtel, Switzerland

2:40 PM

63. CHANGES IN E-CIGARETTE AEROSOL DURING TRANSPORT FOR TOXICOLOGY STUDIES. Jan TINDALL, Colin Jones and Akinwande Cole; Cerulean, Milton Keynes, UK

3:00 PM

64. ANALYSIS OF 21 CARBONYL COMPOUNDS IN E-LIQUIDS AND E-AEROSOLS BY GAS CHROMATOGRAPHY-MASS SPECTROMETRY AFTER PFBHA DERIVATIZATION. Mingliang BAO, Peter JOZA and William RICKERT; Labstat International ULC., Kitchener ON, Canada

3:20 PM

65. DETERMINATION OF 2,3-BUTANEDIONE, 2,3-PENTANEDIONE, AND ACETOIN IN ELECTRONIC CIGARETTE FORMULATIONS AND AEROSOLS BY GAS CHROMATOGRAPHY-MASS SPECTROMETRY. Matt S. MELVIN, Jason W. Flora and Karl A. Wagner; Altria Client Services, Richmond, VA USA

4:10 PM

66. COMPUTATIONAL MODELING OF E-VAPOR AEROSOL DYNAMICS AND DEPOSITION IN RESPIRATORY TRACT. Ali A. ROSTAMI, Nicolas Castro, Yezdi B. Pithawalla, Michael J. Oldham, Weiling Li, Jingjie Zhang, and Yu Feng; 1Altria Client Services LLC, Richmond, VA USA, 2Lancaster Laboratories, c/o Altria Client Services LLC, Richmond, VA USA, 3Oklahoma State University, Stillwater, OK, USA

Session B  Design Characteristics, Regulation & Quality
Session Chair: Jason Flora

2:20 PM

69. PAPER FILTERS – THE INFLUENCE OF DIFFERENT PAPER COMPOSITIONS AND PAPER PROPERTIES ON FILTRATION EFFICIENCY AND PRESSURE DROP. Stefan BACHMANN, Maria Gleinser and Dietmar Volgger; delfortgroup AG, Traun, Austria

2:40 PM

70. TEASE TIPPING: TO PROTECT AND TO ATTRACT. Michael LINDNER and Markus Gutwald; Tannpapier GmbH, Traun, Austria

3:00 PM

71. RAPID MEASURING MOISTURE OF TOBACCO USING MICROWAVE RESONANCE TECHNOLOGY. Paul JADOT and Andre Tews, TEWS Elektronik GmbH, Hamburg, Germany

3:20 PM

72. ESTIMATION WITH VALUES BELOW THE LIMIT OF QUANTIFICATION. Michael MORTON and Kenworth Lion; Altria Client Services, LLC, Richmond, VA USA

4:10 PM

73. QUANTITATIVE RISK ASSESSMENT OF TOBACCO PRODUCTS IN SUBSTANTIAL EQUIVALENCE EVALUATIONS. Robinan GENTRY, Mona S. Gupta and Kristin M. Marano; Ramboll Environ, Monroe, LA USA, 2RAI Services Company, Winston-Salem, NC USA
4:30 PM
67. AN EVALUATION OF ELECTRONIC CIGARETTE FORMULATIONS AND AEROSOLS FOR HPHCS TYPICALLY DERIVED FROM COMBUSTION. Karl WAGNER, Anthony P. Brown, Jason W. Flora, Matt S. Melvin and Xiaohong (Cathy) Jin; Altria Client Services, Richmond, VA USA

4:30 PM
74. HOW TO FULFILL STATUTORY REQUIREMENTS ON PRODUCT RELATED HEALTH INFORMATION. Samina QURESHI; PSI International, Inc., Fairfax, VA USA

4:50 PM
68. DO TEMPERATURE REGULATED E-CIGARETTES PREVENT THE FORMATION OF THERMAL DECOMPOSITION PRODUCTS UNDER DRY WICK CONDITIONS? I. Gene GILLMAN and Kathy E. Humphries; Enthalpy Analytical, Durham, NC USA

4:50 PM
75. THE WHAT AND WHY OF MEDDRA. Samina QURESHI; PSI International, Inc., Fairfax, VA USA

Adjourn

5:15 PM – TSRC Business Meeting – All attendees are encouraged to attend.

Wednesday Morning, September 21, 2016

Session A
E-Cigarettes III
Session Chair: Ian Fearon

8:30 AM
76. DEVELOPMENT OF A TECHNIQUE FOR THE DETERMINATION OF pH-VALUES OF AEROSOLS GENERATED BY E-CIGARETTES. John H LAUTERBACH; Lauterbach & Associates, Macon, GA USA

8:30 AM
83. NURSERY APPLICATION OF A NOVEL BIOORGANIC FERTILIZER CAN EFFECTIVELY CONTROL TOBACCO BACTERIAL WILT. LIU Yanxia and Li Xiang; Guizhou Academy of Tobacco Science, Guiyang, China

8:50 AM
77. A ROBUST METHOD FOR EVALUATING THE PH OF E-LIQUIDS. F. Kelley ST.CHARLES, Serban Moldoveanu and Wayne Scott; St.Charles Consultancy, Lewisville, NC USA. R.J. Reynolds Tobacco Co., Winston-Salem, NC, USA

8:50 AM
84. SENSITIVITY OF SALICYLHYDROXAMIC ACID (SHAM) TO ALTERNARIA ALTERNATA AND ITS METABOLIC CHARACTERIZATION UNDER PRESSURES OF SHAM. WANG Hancheng and Huang Yanfei; Guizhou Academy of Tobacco Science, Guiyang, China, Yangtze University, Jingzhou, China

9:10 AM
78. A DISTRIBUTED COMPUTATIONAL FLUID DYNAMICS (CFD) MODEL FOR ESTIMATION OF ROOM AIR LEVELS OF SELECTED AEROSOL CHEMICALS FROM EMISSION OF E-VAPOR PRODUCTS (EVP). Ali A. ROSTAMI, Samuel Agymang and Yezdi B. Pithawalla; Altria Client Services LLC, Research, Development and Regulatory Affairs, Richmond, VA, USA, TriMech Solutions LLC, Glen Allen, VA USA

9:10 AM
85. ANALYSIS FOR CHEMICAL COMPOSITION OF FLUE-CURED TOBACCO VARIETIES BASED ON SUPPORT VECTOR MACHINE AND PATTERN RECOGNITION. XIANG Zhangmin, Geng Zhaoliang, Cai Kai, Zhang Jie, Ge Yonghui, Zhou Shuping and Pan Wenjie; Guizhou Academy of Tobacco Science, Guiyang, China
9:30 AM

9:30 AM
86. EFFECTS OF BIO-ORGANIC FERTILIZER PLUS SOIL AMENDMENT ON THE CONTROL OF TOBACCO BACTERIAL WILT AND COMPOSITION OF SOIL BACTERIAL COMMUNITIES. Li Xiang, Liu Yanxia and Shi Junxiong; Guizhou Academy of Tobacco Science, Guiyang, China

9:50 Break

10:20 AM
80. VOLATILE COMPONENTS RELEASE CHARACTERISTICS OF TOBACCO SMOKE UNDER HEATING CONDITIONS. ZENG Shitong¹, Cui Kai¹, Liu Shan¹, Tang Peipei¹, Sun Shihao¹, Zong Yongli¹, Zhang Jianxun¹, Hu Anfu² and Yang Jun²; ¹Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, China, ²China Tobacco Zhejiang Industrial Co., LTD., Zhejiang, China

10:20 AM
87. THE EFFECT OF TOBACCO ROOT EXUDATES ON SOIL RHIZOSPHERE MICROBIOIME. LIU Yanxia and Li Xiang; Guizhou Academy of Tobacco Science, Guiyang, China

10:40 AM
81. GAS-PHASE PERSISTENT RADICALS FROM TOBACCO AND WATER-PIPE SMOKES, BIOMASS COMPONENTS PYROLYSIS/OXIDATIVE PYROLYSIS. Lavrent KHACHATRYAN, Mohammad Barekati-Gourdazi, and Dorin Boldor; LSU, Baton Rouge, LA USA

10:40 AM
88. CHANGES OF TOBACCO SAFETY AND LEAF TRICHOME EXUDATES DURING CURING UNDER DIFFERENT CURING REGIMES. GENG Zhao-liang, Zhang Jie, Ge Yong-hui, Yang Hui, Xiang Zhang-min, and Feng Yong-gang; Guizhou Academy of Tobacco Science, Guiyang, China

11:00 AM
82. SIMULTANEOUS DETERMINATION OF NICOTINE, 1,2-PROPYLENE GLYCOL AND GLYCEROL IN E-LIQUIDS BY GAS CHROMATOGRAPHY METHOD. CAI Junlan, Chen Li, Wang Bing, Peng Bin, Yu Jingjing, Cui Huapeng, Zhang Xiaobing, Liu Huimin, Liu Shaofeng; Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, China

Adjourn