



2017 CORESTA SMOKE-TECHNO JOINT STUDY GROUPS MEETING - Kitzbühel, Austria - 8-12 October 2017

LIST OF ORAL / POSTER PRESENTATIONS

15/11/2017

Group	Num	Session	Abstract Title	Authors	Source
IG	01	Opening	Comparison of intra-crop year variability in NNN in tobacco and NNN levels in smokeless tobacco products	MORTON M.J.; PHILLIPS D.J.; JORDAN J.L.; OLDHAM M.J.; LION III K.E.; LUSSO M.F.; FRANKE J.E.; STRICKLAND J.A.	Altria Client Services LLC, Richmond, VA, U.S.A.
IG	02	Opening	Delivering positive change through the Sustainable Tobacco Programme	YIEND O.; CLARKE H.; AHMED S.; KUSIAK A.	AB Sustain, Peterborough, U.K.
ST	02	Opening	An evaluation of the variability of HPHCs in cigars as compared to cigarettes	WAGNER K.A.; BLAKE T.L.; MELVIN M.S.; MORTON M.J.; SMITH J.H.	Altria Client Services LLC, Richmond, VA, U.S.A.
ST	03	Opening	Comparison of select analytes in tobacco and smoke for cigar products across a range of design features	TAYYARAH R.; ZHU J.; BROOKS C.; STEVENS R.	ITG Brands LLC, Greensboro, NC, U.S.A.
ST	04	Cigars	Challenges and considerations for methods development and testing of cigar products for smoke constituents beyond TNCO	TAYYARAH R.; STEVENS R.; ZHU J.; BROOKS C.	ITG Brands LLC, Greensboro, NC, U.S.A.
ST	05	Cigars	Are available test methods for the determination of ammonia in mainstream cigarette smoke fit for the analysis of cigars?	PREPELITSKAYA Y.; SPANGLER K.; SMITH J.H.; AVERY K.C.; WILKINSON J.; MELVIN M.S.; MILLER IV J.H.	Altria Client Services LLC, Richmond, VA, U.S.A.
ST	06	Cigars	Development, validation and routine use of a method for the determination of carbonyl compounds in cigar smoke	GILLMAN I.G.; MAINES J.H.; JABLONSKI J.J.	Enthalpy Analytical, Inc., Richmond, VA, U.S.A.
ST	07	Cigars	Physical characteristics of handmade premium cigars: specifications and consequences of specifications	TEILLET B.; VERRON T.; COLARD S.	SEITA-Imperial Tobacco Limited, Fleury-les-Aubrais, France
ST	08	E-vapour Product Design	Investigating reuse of coil/wick sub-assemblies (atomisers) in electronic nicotine delivery systems (ENDS)	HARDMAN P.	Nerudia Limited, Liverpool, U.K.
ST	09	E-vapour Product Design	Oxidation dynamics of e-liquids in electronic nicotine delivery systems with atomisers of various types	TROFIMOV A.V.; MENSHOV V.A.; YABLONSKAYA O.I.	Emanuel Institute of Biochemical Physics, Russian Academy of Sciences, Moscow, Russian Federation
ST	10	E-vapour Product Design	Investigation of TSNA formation in electronic cigarette liquids and aerosols	JIN X.C.; AVERY K.C.; GARDNER W.P.; KARLES G.D.; MELVIN M.S.; SMITH D.C.; MCKINNEY W.J.; WAGNER K.A.	Altria Client Services LLC, Richmond, VA, U.S.A.
ST	11	E-vapour Product Design	Thermal degradation studies of electronic cigarette liquids Part 1: A novel analytical method to study $\alpha$ -dicarbonyl formation	MELVIN M.S.; AVERY K.C.; BALLENTINE R.M.; GARDNER W.P.; MCKINNEY W.J.; SMITH D.C.; WAGNER K.A.	Altria Client Services LLC, Richmond, VA, U.S.A.
ST	12	E-vapour Product Design	Thermal degradation studies of electronic cigarette liquids Part 2: Development of a model reaction system used to study $\alpha$ -dicarbonyl formation	MELVIN M.S.; AVERY K.C.; BALLENTINE R.M.; GARDNER W.P.; MCKINNEY W.J.; SMITH D.C.; WAGNER K.A.	Altria Client Services LLC, Richmond, VA, U.S.A.
ST	13	Filters	New aspects of cellulose acetate biodegradation	HÖLTER D.; LAPERSONNE P.	Rhodia Acetow GmbH, Freiburg, Germany
ST	15	Filters	Crush strength of aged capsules in cigarettes	MOSTOVOJUS V.; TUCINSKAS G.; LUSCIKAITE L.	Nemuno Banga LLC, Lentvaris, Lithuania
ST	16	Filters	Computational fluid dynamic (CFD) simulation of distribution characteristics of cigarette smoke flow field in grooved filter	SUN Zhiwei; WEN Jianhui; DU Wen; ZHONG Kejun	Hunan Industrial Co., Ltd. of CNTC, Research and Development Center, Changsha, Hunan, P.R. China
ST	17	E-vapour Methods	Determination of eight carbonyl compounds in e-liquids for electronic cigarettes by LC-MS/MS	PAN Lining; LIU Shaofeng; ZHAO Le; YU Jingjing; LIU Kejian; FAN Meijuan; CHEN Li; WANG Hongbo; GUO Junwei	Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, Henan, P.R. China
ST	18	E-vapour Methods	A simple sample preparation method for the determination of elements in e-liquids and aerosols of e-cigarettes	STEPAN H.; ZIERLINGER M.; SUTANTO N.; SCHMEISSER E.	JTI Ökolab, Vienna, Austria
ST	19	E-vapour Methods	An alternative strategy for the determination of pH values of aerosol from electronic cigarettes	JOZA P.; MOHAMMAD A.; RICKERT W.S.	Labstat International ULC, Kitchener, ON, Canada
ST	20	E-vapour Methods	Single and resonance enhanced multi photon ionization mass spectrometry for the investigation of product use behaviour of e-cigarettes and heat-not-burn products	EHLERT S.(1,2); HEIDE J.(2); WALTE A.(1); ZIMMERMANN R.(2)	(1) Photonion GmbH, Schwerin, Germany; (2) University of Rostock, Dept. of Analytical Chemistry, Rostock, Germany
ST	21	E-vapour Methods	Saliva pH after exposure to e-cigarette aerosols in a glassmouth with and without stirring of the saliva during exposure	LAUTERBACH J.H.	Lauterbach & Associates, LLC, Macon, GA, U.S.A.
ST	22	E-vapour Methods	Estimation of e-cigarette aerosol yields based on puff duration	JULIEN R.(1); TSCHIERESKE N.(2); VARIGNON B.(1); TROUDE V.(1); DESTRUHAUT S.(1); WALELE T.(3); COLARD S.(1); CAHOURS X.(1)	(1) SEITA-Imperial Tobacco Limited, Fleury-les-Aubrais, France; (2) Reemtsma Cigarettenfabriken GmbH (an Imperial Brands PLC Company), Hamburg, Germany; (3) Fontem Ventures B.V. (an Imperial Brands PLC Company), Amsterdam, The Netherlands
ST	23	Biomarkers / Bioavailability	Biomarkers of exposure specific to e-vapor products based on stable-isotope labelled ingredients – clinical study design	SCHERER M.(1); LANDMESSER A.(1); PLUYM N.(1); SCHERER G.(1); SARKAR M.(2); EDMISTON J.(2)	(1) ABF Analytisch-Biologisches Forschungslabor GmbH, Planegg, Germany; (2) Altria Client Services LLC, Center for Research and Technology, Richmond, VA, U.S.A.
ST	24	Biomarkers / Bioavailability	Biomarkers of exposure specific to e-vapour products based on stable-isotope labelled ingredients – results	PLUYM N.(1); LANDMESSER A.(1); SCHERER M.(1); SCHERER G.(1); SARKAR M.(2); EDMISTON J.(2)	(1) ABF Analytisch-Biologisches Forschungslabor GmbH, Planegg, Germany; (2) Altria Client Services LLC, Center for Research and Technology, Richmond, VA, U.S.A.



2017 CORESTA SMOKE-TECHNO JOINT STUDY GROUPS MEETING - Kitzbühel, Austria - 8-12 October 2017

LIST OF ORAL / POSTER PRESENTATIONS

15/11/2017

Group	Num	Session	Abstract Title	Authors	Source
ST	25	Biomarkers / Bioavailability	A clinical study in Japanese smokers investigating changes in exposure to cigarette smoke chemicals in participants who switch to using a tobacco heating product for a five day period	GALE N.(1); McEWAN M.(1); ELDRIDGE A.(1); ERRINGTON G.(1); McDERMOTT S.(2); GLEW J.(2); HEDGE A.(2); MURPHY J.(1); PROCTOR C.J.(1); FEARON I.M.(1)	(1) British American Tobacco (Investments) Limited, R&D, Southampton, U.K.; (2) Covance Inc., Leeds, U.K.
ST	26	Biomarkers / Bioavailability	Dynamic determination of nicotine and 11 metabolites in brain and blood of rat by simultaneous microdialysis coupled with UHPLC-HRMS	MAO Jian; SUN Shihao; LU Binbin; LI Peng; LIU Junhui; ZENG Shitong; ZHANG Qidong; CHAI Guobi; XI Hui; ZHANG Jianxun	Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, Henan, P.R. China
ST	27	Biomarkers / Bioavailability	Pharmacokinetics of nicotine following the controlled use of a prototype novel tobacco vapour product	YUKI D.(1,2); SAKAGUCHI C.(1); KIKUCHI A.(1); FUTAMURA Y.(1)	(1) Japan Tobacco Inc., R&D Group, Scientific Product Assessment Center, Yokohama, Kanagawa, Japan; (2) JT International S.A., Scientific & Regulatory Affairs, Geneva, Switzerland
ST	28	Biomarkers / Bioavailability	Nicotine pharmacokinetics of electronic cigarettes: experimental data and a review of the literature	FEARON I.M.(1); ELDRIDGE A.(1); GALE N.(1); McEWAN M.(1); NELSON P.(2); ROUND E.(2); STILES M.(2)	(1) British American Tobacco (Investments) Limited, R&D, Southampton, U.K.; (2) RAI Services Co., Winston-Salem, NC, U.S.A.
ST	29	Risk Assessment	Impact of cigar physical variability on cigar exposure using probabilistic risk assessment	AYALA-FIERRO F.; KOSARAJU K.; STEVENS R.	ITG Brands LLC, Greensboro, NC, U.S.A.
ST	30	Risk Assessment	Comparison of probability of risk associated with cigar exposure	KOSARAJU K.; AYALA-FIERRO F.; STEVENS R.	ITG Brands LLC, Greensboro, NC, U.S.A.
ST	31	Risk Assessment	Comparison of background risks with risks estimated from constituents of tobacco products	LIU C.; MARANO K.M.	RAI Services Co., Winston-Salem, NC, U.S.A.
ST	32	Risk Assessment	Consumers' responses to communication materials of a novel heat-not-burn tobacco product	CHREA C.(1); KALLISCHNIG G.(2); SANDERS E.(3); BEACHER F.(4); MAGNANI P.(4); RAMAZZOTTI A.(4); WEITKUNAT R.(1)	(1) Philip Morris Products S.A. (part of Philip Morris International group of companies), PMI R&D, Neuchâtel, Switzerland; (2) ARGUS – Statistics and Information Systems in Environment and Public Health GmbH, Berlin, Germany; (3) Edward Sanders Scientific Consulting, Peseux, Switzerland; (4) Philip Morris International Management S.A. (PMI) (part of Philip Morris International group of companies), Lausanne, Switzerland
ST	33	Risk Assessment	Air quality assessment during indoor use of the Tobacco Heating System 2.2	MITOVA M.; GOUJON GINGLINGER C.; ROTACH M.; MAEDER S.	Philip Morris Products S.A. (part of Philip Morris International group of companies), PMI R&D, Neuchâtel, Switzerland
ST	34	Cigarette Design	Influence of storage conditions on smoke yields and optical appearance of cigarettes	GLEINSER M.; BACHMANN S.; VOLGGER D.	Papierfabrik Wattens GmbH & Co. KG, Wattens, Austria
ST	35	Cigarette Design	Pyrolysis experiments to assess cigarette paper design contribution to thermal degradation without and with tobacco	DUROT N.(1); OUAR Z.(1); RAVERDY-LAMBERT D.(1); HERVE R.(2)	(1) SWM Intl, c/o LTR Industries, Allonnes, France; (2) SWM Intl, c/o PDM industries, Quimperlé, France
ST	36	Cigarette Design	Alternate materials and their potential impact on HPHCs	MORTON M.J.; JAIN N.T.; FOX K.H.; OLEGARIO R.M.; DANIELSON T.L.	Altria Client Services LLC, Richmond, VA, U.S.A.
ST	37	Regulation / Standardisation	Nicotine reduction: use of a modelling approach to evaluate unintended consequences, a focus on illicit trade	GUO M.; VERRON T.; CAHOURS X.; COLARD S.	SEITA-Imperial Tobacco Limited, Fleury-les-Aubrais, France
ST	38	Regulation / Standardisation	Assessing the likelihood and magnitude of a population health benefit following market introduction of a modified risk tobacco product (MRTP)	CURTIN G.(1); SULSKY S.(2); BACHAND A.(2)	(1) RAI Services Co., Winston-Salem, NC, U.S.A.; (2) Ramboll Environ US Corp., Amherst, MA, U.S.A.
ST	39	Regulation / Standardisation	Addressing U.S. FDA's population health standard for Camel Snus with modified risk messaging	CURTIN G.(1); BACHAND A.(2); SULSKY S.(2); GERLACH K.(3); PILLITTERI J.(4); SHIFFMAN S.(3)	(1) RAI Services Co., Winston-Salem, NC, U.S.A.; (2) Ramboll Environ US Corp., Amherst, MA, U.S.A.; (3) Pinney Associates, Inc., Pittsburgh, PA, U.S.A.; (4) Pinney Associates, Inc., Burlington, VT, U.S.A.
ST	40	Regulation / Standardisation	FDA's proposed NNN product standard: review of the scientific evidence	MARANO K.M.(1); BACHAND A.(2); LIU C.(1); SULSKY S.(2); MARIANO G.(2); CURTIN G.(1); PARMS T.(1); GREEN T.(3); GENTRY P.R.(3)	(1) RAI Services Co., Winston-Salem, NC, U.S.A.; (2) Ramboll Environ US Corp., Amherst, MA, U.S.A.; (3) Ramboll Environ, Monroe, LA, U.S.A.
ST	41	Regulation / Standardisation	Biomarker assay validation: the gold, silver, bronze approach	FARMEN R.H.	Celerion Inc., Lincoln, NE, U.S.A.
ST	43	Analytical Methods	Feasibility study of simultaneous determination of particulate and volatile compounds in mainstream cigarette smoke	KUMAGAI A.; EGUCHI K.; FUKAI Y.	Japan Tobacco Inc., Product Quality Research Center, Yokohama, Kanagawa, Japan
ST	44	Analytical Methods	Investigation of tetrahydrocannabinol (THC) in smoke by application of an online photo ionisation mass spectrometry	EHLERT S.(1,2); HEIDE J.(2); WALTE A.(1); ZIMMERMANN R.(2)	(1) Photonion GmbH, Schwerin, Germany; (2) University of Rostock, Dept. of Analytical Chemistry, Rostock, Germany
ST	45	Analytical Methods	A multiple heart-cutting two-dimensional liquid chromatography coupled to quadrupole-orbitrap high resolution mass spectrometry for simultaneous determination of Aflatoxin B1, B2, G1, G2 and Ochratoxin A in snus	QI Dawei(1); LUI Hong(1); FEI Ting(1); YAO Heming(1); CHEN Chaoying(2); WU Da(1)	(1) Shanghai Tobacco Group Co. Ltd of CNTC, Technology Center, Shanghai, P.R. China; (2) Shanghai New Tobacco Product Research Institute, Shanghai, P.R. China
ST	46	Analytical Methods	Analysis of PAHs in smokeless tobacco by GC-MS/MS	REDEBY J.; MENZEL C.; ANDERSSON K.; GRONOWSKI EDNER A.; LINDHOLM J.	Swedish Match North Europe AB, Scandinavia Division, Analytical and Product Science, Stockholm, Sweden
ST	47	Exposure / Abuse Liability	Adapting traditional human abuse liability testing to tobacco products	KONG M.; WOOD G.	Altasciences Clinical Research, Laval, QC, Canada
ST	48	Exposure / Abuse Liability	Compulsive tobacco use - an alternative hypothesis	SHERWOOD N.	Neil Sherwood Consulting, Commugny, Switzerland



2017 CORESTA SMOKE-TECHNO JOINT STUDY GROUPS MEETING - Kitzbühel, Austria - 8-12 October 2017

LIST OF ORAL / POSTER PRESENTATIONS

15/11/2017

Group	Num	Session	Abstract Title	Authors	Source
ST	49	Exposure / Abuse Liability	Mouth level exposure estimation of nicotine and NFDPM by applying part-filter analysis from smokers of super-slim and regular size cigarettes	HAN Eun-Jung; LEE Jeong-Min; LEE Hye-Jung; KIM Ji-Hye; HYUN Hak-Chul; JANG Gi-Chul	KT&G Research Institute, Daejeon, South Korea
ST	50	Exposure / Abuse Liability	Flavored e-cigarette use among U.S. adults: results from two national surveys	SHIFFMAN S.(1,2); SEMBOWER M.(1); KIM M.(3); CURTIN G.(3)	(1) PinneyAssociates, Inc., Pittsburgh, PA, U.S.A.; (2) University of Pittsburgh, Pittsburgh, PA, U.S.A.; (3) RAI Services Co., Winston-Salem, NC, U.S.A.
ST	51	Exposure / Abuse Liability	Variations in intensity of e-cigarette use, smoking history, and demographics among past-30-day e-cigarette users	SHIFFMAN S.(1,2); SEMBOWER M.(1); KIM M.(3); CURTIN G.(3)	(1) PinneyAssociates, Inc., Pittsburgh, PA, U.S.A.; (2) University of Pittsburgh, Pittsburgh, PA, U.S.A.; (3) RAI Services Co., Winston-Salem, NC, U.S.A.
ST	52	Exposure / Abuse Liability	Investigation of nicotine release behaviour of tobacco chewing gum in oral cavity by a novel simulated oral dissolution device	YANG Ji; YANG Liu; ZHAO Wei; TANG Jianguo; ZHOU Kun; ZHU Baokun; DUAN Yuanxing; ZHAO Yang; TIAN Yongfeng; CHEN Yongkuan; MIAO	Yunnan Industrial Co., Ltd of CNTC, Research & Development Center, Kunming, P.R. China
ST	53	Aerosol Characterisation	Fumex: light scattering sensor for the analysis of electronic cigarette aerosols	WANG Q.(1); LI W.(2); LIPOWICZ P.(2); DUNKHORST W.(3); KOCH W.(3)	(1) Eurofins Lancaster Laboratories, c/o Altria Client Services LLC, Research, Development and Regulatory Affairs, Richmond, VA, U.S.A.; (2) Altria Client Services LLC, Research, Development and Regulatory Affairs, Richmond, VA, U.S.A.; (3) Fraunhofer ITEM, Department of Aerosol Technology, Hannover, Germany
ST	54	Aerosol Characterisation	A low flow cascade impactor system for measurement of e-cigarette aerosol particle size	KANE D.B.; RUSYNIAK M.	Altria Client Services LLC, Research, Development and Regulatory Affairs, Richmond, VA, U.S.A.
ST	55	Aerosol Characterisation	Electronic cigarette aerosol dynamics in a physical model of the adult human oral/pharyngeal cavity	WANG Q.(1); CASTRO N.(2); ZHANG J.(2); LI W.(2); PITHAWALLA Y.B.(2); OLDDHAM M.J.(2); LIPOWICZ P.(2); ROSTAMI A.(2)	(1) Eurofins Lancaster Laboratories, c/o Altria Client Services LLC, Research, Development and Regulatory Affairs, Richmond, VA, U.S.A.; (2) Altria Client Services LLC, Research, Development and Regulatory Affairs, Richmond, VA, U.S.A.
ST	56	Aerosol Characterisation	Spirometry as an effective tool for screening eligibility in e-cigarette clinical trials	PEARSON M.; AUSTIN J.; NUNEZ M.; RUSCH L.	High Point Clinical Trials Center, High Point, NC, U.S.A.
ST	57	Aerosol Characterisation	13-week nose-only inhalation study of aerosolized propylene glycol in rats	ZHENG Saijing(1); GAO Yihan(1); SHEN Yi(1); ZHANG Yichun(1); LI Wei(2); ZHOU Huimin(1); SHENG Yunhua(2)	(1) Shanghai New Tobacco Product Research Institute of CNTC, Shanghai, P.R. China; (2) Shanghai Institute for Food and Drug Control, Shanghai, P.R. China
ST	58	Physical Methods	Contribution of gas-phase combustion to total heat generation from a burning cigarette	INOUE Y.(1); SUZUKI M.(2)	(1) Japan Tobacco Inc., Tobacco Science Research Center, Yokohama, Kanagawa, Japan; (2) Nagaoka University of Technology, Nagaoka, Niigata, Japan
ST	59	Physical Methods	Estimating the filling capacity of cut-rolled expanded stem (CRES) from Visible (Vis)-Near infrared (NIR) spectrum of stem	SHIMIZU W.(1); ISHIHARA K.(1); YAGASHIRA T.(2)	(1) Japan Tobacco Inc., Leaf Tobacco Research Center, Tochigi, Japan; (2) JT International Germany GmbH, Trier, Germany
ST	60	Physical Methods	Development and application of an online sliver content detection device	JIANG Wei; LI Juanjuan; ZHANG Guozhi; XIE Hai; DAI Shiliang; ZHANG Baoping; FENG Zhibin; LU Yiliang; KUANG Yinqi; ZHENG Jing; SUN Zhaodong; KONG Zhen; Li Bin; FENG Suoyang; LIU Dong	Guangdong Industry Co., Ltd of CNTC, Technology Center, South Road No. 88, Guangdong Huanchui, P.R. China
ST	61	Physical Methods	Application of Gibbs free energy change to evaluation of moisture retention of tobacco	JIANG Wei; LIU Chunbo; SHEN Qinpeng; ZHANG Fengmei; WANG Jin; TANG Shiyun; ZHU Ruizhi; HE Pei; YANG Guangyu; LIU Zhihua	Key Laboratory of Tobacco Chemistry of Yunnan Province, Research & Development Center, Yunnan Industrial Co., Ltd of CNTC, Kunming, P.R. China
ST	62	In Vitro Tox Testing	Overview of in vitro methods used to assess e-cigarettes based on "Toxicity Testing in 21st Century" principles	SIMMS L.(1); STEVENSON M.(1); CZEKALA L.(1); TSCHIERSEK N.(1); WALELE T.(2)	(1) Imperial Tobacco Ltd, Bristol, U.K.; (2) Fontem Ventures B.V. (an Imperial Brands PLC Company), Amsterdam, The Netherlands
ST	63	In Vitro Tox Testing	A computational model to characterize the Vitrocell® Cell Exposure System for evaluation of aerosols	CASTRO N.(1); ROSTAMI A.(1); KUCZAJ A.(2,3); LUCCI F.(2); OLDDHAM M.J.(1); PITHAWALLA Y.B.(1)	(1) Altria Client Services LLC, Center for Research and Technology, Richmond, VA, U.S.A.; (2) Philip Morris Products S.A. (part of Philip Morris International group of companies), PMI R&D, Neuchâtel, Switzerland; (3) Multiscale Modeling and Simulation, Faculty EEMCS, University of Twente, Enschede, The Netherlands
ST	64	In Vitro Tox Testing	A novel approach for the screening of e-cigarette aerosols using an Ames whole aerosol assay	THORNE D.(1); HOLLINGS M.(2); SEYMOUR A.(2); CROOKS I.(1); MEREDITH C.(1); GAÇA M.(1)	(1) British American Tobacco (Investments) Limited, R&D, Southampton, U.K.; (2) Covance Laboratories Ltd, Harrogate, North Yorkshire, U.K.
STW	01	Workshop - IVT	Guidances related to the use of genetic toxicology assays for international regulation of tobacco products	MOORE M.	Ramboll Environ, Inc., Little Rock, AR, U.S.A.
STW	02	Workshop - IVT	The application of genetic toxicology assays to tobacco products	CLEMENTS J.; BALLANTYNE M.; HOLLINGS M.; LARNER J.; SEYMOUR A.	Covance Laboratories Ltd, Harrogate, U.K.
STW	03	Workshop - Cigars	Cigar tobacco and its required quality	HARTLEY M.	Universal Leaf Tobacco Company, Inc., Oxford, NC, U.S.A.
STW	04	Workshop - Cigars	Building blocks for regulated tobacco products and the challenges with cigars	CIAMBRONE K.	ITG Brands LLC, Greensboro, NC, U.S.A.
STW	05	Workshop - Cigars	Challenges associated with the testing of cigars	JOZA P.	Labstat International ULC, Kitchener, Ontario, U.S.A.



2017 CORESTA SMOKE-TECHNO JOINT STUDY GROUPS MEETING - Kitzbühel, Austria - 8-12 October 2017

LIST OF ORAL / POSTER PRESENTATIONS

15/11/2017

Group	Num	Session	Abstract Title	Authors	Source
<b>STPOST</b>	<b>01</b>	Posters	The power of tactility: tipping paper in interaction with the consumer	LINDNER M.; SCHOPPER E.	TANNPAPIER GmbH, Traun, Austria
<b>STPOST</b>	<b>02</b>	Posters	Analysis of 20 elements in aerosols by inductively coupled plasma mass spectrometry (ICP-MS)	GREMAUD M.; HOFER I.; MARCHESE A.; SEQUEIRA C.; LE BOUHELLEC S.	Philip Morris Products S.A. (part of Philip Morris International group of companies), PMI R&D, Neuchâtel, Switzerland
<b>STPOST</b>	<b>03</b>	Posters	The analysis of harmful and potentially harmful constituents (HPHCs) in waterpipe tobacco products	WILKINSON P.J.; EBDAAH M.; ABU ELHAJ M.	Al Fakher Tobacco Factory F.Z.E, Ajman, United Arab Emirates
<b>STPOST</b>	<b>04</b>	Posters	Development of a method for the estimation of mouth level exposure to nicotine from electronic cigarettes	KUBOTA T.; SUZUKI T.; SHIBATA T.	Japan Tobacco Inc., R&D Group, Scientific Product Assessment Center, Yokohama, Kanagawa, Japan
<b>STPOST</b>	<b>05</b>	Posters	Differences in plasma nicotine pharmacokinetic profiles for various e-vapor products used by adult smokers under ad libitum vs. controlled use conditions	LIU J.; LIANG Q.; GOGOVA M.; ZHAO Y.; SARKAR M.	Altria Client Services LLC, Center for Research and Technology, Richmond, VA, U.S.A.
<b>STPOST</b>	<b>06</b>	Posters	The challenges of machine smoking the diverse cigar product category	BLAKE T.L.; AVERY K.C.; BALLENTINE R.M.; BROWN T.P.; MELVIN M.S.; CARPENTER M.; STUTT K.; MORTON M.J.; WAGNER K.A.	Altria Client Services LLC, Richmond, VA, U.S.A.
<b>STPOST</b>	<b>07</b>	Posters	Consistency of blu™ e-cigarette nicotine delivery according to the AFNOR standard	TSCHERSKE N.(1); JULIEN R.(2); VARIGNON B.(2); TROUDE V.(2); DESTRUHAUT S.(2); WALELE T.(3); COLARD S.(2); CAHOURS X.(2)	(1) Reemtsma Cigarettenfabriken GmbH (an Imperial Brands PLC Company), Hamburg, Germany; (2) SEITA-Imperial Tobacco Limited, Fleury-les-Aubrais, France; (3) Fontem Ventures B.V. (an Imperial Brands PLC Company), Amsterdam, The Netherlands
<b>STPOST</b>	<b>08</b>	Posters	Indoor air quality and surface deposition assessment following use of an open system e-cigarette	BAUER N.(1); TSCHERSKE N.(1); O'CONNELL G.(2); CAHOURS X.(3)	(1) Reemtsma Cigarettenfabriken GmbH (an Imperial Brands PLC Company), Hamburg, Germany; (2) Fontem Ventures B.V. (an Imperial Brands PLC Company), Amsterdam, The Netherlands; (3) SEITA-Imperial Tobacco Limited, Fleury-les-Aubrais, France
<b>STPOST</b>	<b>09</b>	Posters	Analysis of metals in e-liquids - reduction of matrix effects	SHIMAZU A.; MASUGI E.; MIZUNO M.	Japan Tobacco Inc., Product Quality Research Center, Yokohama, Kanagawa, Japan
<b>STPOST</b>	<b>10</b>	Posters	Methods for characterising morphological and structural variations of cut tobacco in cigarettes during smoking	WANG Liang(1); YIN Donghong(1); XIE Guoyong(1); LI Bin(2); TAN Xinliang(1); DU Wen(1)	(1) Hunan Industrial Co., Ltd of CNTC, Research and Development Center, Changsha, Hunan, P.R. China; (2) Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, Henan, P.R. China
<b>STPOST</b>	<b>11</b>	Posters	Investigation of gene expression profile of cells after e-cigarette and cigarette smoke exposure	TIAN Yongfeng; DUAN Yuanxing; ZHAO Wei; YANG Ji; ZHAO Yang; ZHU Donglai; ZHANG Xia; GONG Xiaowei; HONG Liu; MIAO Mingming; YANG Liu; CHEN Yongkuan	China Tobacco Yunnan Industrial Co., Ltd of CNTC, Technical and Research Center, Yunnan, P.R. China
<b>STPOST</b>	<b>12</b>	Posters	Study on vaporisation temperature of electronic cigarette	CUI Huapeng; ZHAO Le; FAN Meijuan; LIU Shaofeng; CHEN Li; CAI Junlan; QIN Yaqiong; DING Xue; JIANG Zhicai	(1) Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, Henan, P.R. China; (2) China Tobacco Zhejiang Industrial Co., Ltd, Hangzhou, Zhejiang, P.R. China
<b>STPOST</b>	<b>13</b>	Posters	The comparative assessment of e-cigarettes and cigarettes on cytotoxicity and proinflammatory cytokine secretion level using an air-liquid interface system	HUA Chenfeng; QIAO Liangjun; KANG Yu; ZHAO Junwei; QIN Yaqiong; CUI Huapeng; SHANG Pingping; LIU Huimin; LI Xiang; XIE Fuwei	Zhengzhou Tobacco Research Institute of CNTC, Zhengzhou, Henan, P.R. China
<b>STPOST</b>	<b>14</b>	Posters	New smoking machine approach for cigarette smoking under intense and ISO 3308 conditions	ROSE N.; SCHMIDT T.	Borgwaldt KC GmbH, Hamburg, Germany
<b>STPOST</b>	<b>15</b>	Posters	"Track and Trace" in the smoking laboratory	ROSE N.; SCHMIDT T.	Borgwaldt KC GmbH, Hamburg, Germany
<b>STPOST</b>	<b>16</b>	Posters	Degradation of phytosterols in tobacco extract by bacteria to produce low benzo[a]pyrene reconstituted tobacco	YE Jianbin(1); ZHANG Zhan(2); HAO Zhou(2); YANG Xuepeng(1); MAO Duobin(1); YANG Zongcan(2); LIU Xiangzhen(2)	(1) Zhengzhou University of Light Industry, Key Laboratory of Biotechnology in Tobacco Industry, Zhengzhou, Henan, P.R. China; (2) Henan Industrial Co., Ltd of CNTC, Zhengzhou, Henan, P.R. China
<b>STPOST</b>	<b>17</b>	Posters	Collection of carbonyl compounds in e-cigarette aerosols	YOSHII H.	Japan Tobacco Inc., Product Quality Research Center, Yokohama, Kanagawa, Japan
<b>STPOST</b>	<b>18</b>	Posters	Fibre geometry analysis of tobacco, additives and recon materials	TOBIAS J.; STAHL M.; SIMCSÁK T.	Hauni Maschinenbau GmbH, Hamburg, Germany
<b>STPOST</b>	<b>19</b>	Posters	Combustible and smokeless tobacco product preparations differentially regulate calcium mobilization in the human leukemic HL60 cell line	MAKENA P.(2); ARIMILLI S.(1); DAMRATOSKI B.E.(1); PRASAD G.L.(2)	(1) Wake Forest University School of Medicine, Department of Microbiology & Immunology, Winston-Salem, NC, U.S.A.; (2) RAI Services Co., Winston-Salem, NC 27102, U.S.A.
<b>STPOST</b>	<b>20</b>	Posters	Identification of gelatin in flavour capsules used in cigarette filters	SUMANT H.; YAMUNA N.; SANGLI N.; TYAGI K.K.; MUKHERJEE S.	ITC Limited, Life Sciences & Technology Centre, Bangalore, India
<b>STPOST</b>	<b>21</b>	Posters	The use of in vitro human biomarkers from relevant primary cell lines, to assess the effects of increasing nicotine concentration in e-liquids	SIMMS L.(1); STEVENSON M.(1); CZEKALA L.(1); TSCHERSKE N.(1); BERG E.(2); WALELE T.(3)	(1) Imperial Tobacco Ltd, Bristol, U.K.; (2) DiscoverX Corporation, Fremont, CA, U.S.A.; (3) Fontem Ventures B.V. (an Imperial Brands PLC Company), Amsterdam, The Netherlands
<b>STPOST</b>	<b>22</b>	Posters	Dosimetry: The effects of cigarette smoke dilution on nicotine delivery in a 24 and 96 well format using Smoke Aerosol Exposure In Vitro System (SAEIVS)	WIECZOREK R.(1); TRELLES STICKEN E.(1); BODE L.M.(1); SIMMS L.(2)	(1) Reemtsma Cigarettenfabriken GmbH (an Imperial Brands PLC Company), Hamburg, Germany; (2) Imperial Tobacco Limited, Bristol, U.K.



2017 CORESTA SMOKE-TECHNO JOINT STUDY GROUPS MEETING - Kitzbühel, Austria - 8-12 October 2017

LIST OF ORAL / POSTER PRESENTATIONS

15/11/2017

Group	Num	Session	Abstract Title	Authors	Source
STPOST	23	Posters	Dosimetry: the effects of cigarette smoke dilution on nicotine delivery in a 24 and 96 well format using Smoke Aerosol Exposure In Vitro System (SAEIVS)	BODE L.M.(1); ROEWER K.(1); OTTE S.(1); WIECZOREK R.(1); SIMMS L.(2)	(1) Reemtsma Cigarettenfabriken GmbH (an Imperial Brands PLC Company), Hamburg, Germany; (2) Imperial Tobacco Limited, Bristol, U.K.
STPOST	24	Posters	FDA's proposed N-nitrososornicotine (NNN) Standard: epidemiological evidence	PARMS T.(1); SULSKY S.(2); MARIANO G.(2); MARANO K.M.(1)	RAI Services Co., Winston-Salem, NC, U.S.A.
STPOST	25	Posters	Comparison of WHO SOPs, CORESTA CRMs and ISO Standards for tobacco product testing	DETHLOFF O.(1); COLARD S.(2); CAHOURS X.(2)	(1) Reemtsma Cigarettenfabriken GmbH (an Imperial Brands PLC Company), Hamburg, Germany; (2) SEITA-Imperial Tobacco Limited, Fleury-les-Aubrais, France
STPOST	26	Posters	How do consumers use the candidate Modified Risk Tobacco Product (MRTPT): Tobacco Heating System (THS): Analysis of data from six countries	ROULET S.(1); MAGNANI P.(1); KALLISCHNIGG G.(2); BADOGLIO S.(1); ACKERMANN K.(3); VEIT M.(3); DUGAN A.(4); GAGE C.(4); KANITSCHIEDER C.(5); APECECHEA M.(5); RAMAZZOTTI A.(1)	(1) Philip Morris International Management S.A. (PMI), Lausanne, Switzerland; (2) ARGUS – Statistics and Information Systems in Environment and Public Health, Berlin, Germany; (3) FehrAdvice & Partners, Zurich, Switzerland; (4) Kantar Health LLC, New York, U.S.A.; (5) Kantar Health GmbH, Munich, Germany
STPOST	27	Posters	The application of microwave expanded cut tobacco stem in cigarette filter	LIU Yang; XU Lanlan; WU Jingqiang; LIU Weijuan; XIAO Weiyi; SUN Jun; JIANG Wen; XIONG Shanshan	Yunnan Reascend Tobacco Technology (Group) Co., Ltd, Kunming, Yunnan, P.R. China
STPOST	29	Posters	Handmade premium cigars smoke emissions - limitations related to TNCO determination variability	TEILLET B.(1); SCHULZ C.(2); COLARD S.(1)	(1) SEITA-Imperial Tobacco Limited, Fleury-les-Aubrais, France; (2) Reemtsma Cigarettenfabriken GmbH (an Imperial Brands PLC Company), Hamburg, Germany
STPOST	30	Posters	Tobacco product comparison: extension of critical difference to account for manufacturing variability	VERRON T.; CAHOURS X.; COLARD S.	SEITA-Imperial Tobacco Limited, Fleury-les-Aubrais, France
STPOST	31	Posters	Psychometric evaluation of the mCEQ applied to cigarettes and heat-not-burn products in the U.S. and Japan	SALZBERGER T.(1); CANO S.(2); MAINY N.(3); CHREA C.(3); VANDYKE S.(3); HAZIZA C.(3); WEITKUNAT R.(3); ROSE J.(4)	(1) University of Economics and Business, Vienna, Austria; (2) Scale Report, Stotfold, U.K.; (3) Philip Morris Products S.A., Neuchatel, Switzerland; (4) Rose Research Center, Raleigh, U.S.A.
STPOST	32	Posters	Assessment of the total volatile organic compounds in indoor air during the use of a new heat-not-burn product	THARIN M.; BIELIK N.; ROUGET E; ROTACH M.; <u>GLABASNIA A.</u>	Philip Morris Products S.A. (part of Philip Morris International group of companies), PMI R&D, Neuchâtel, Switzerland
STPOST	33	Posters	Evaluation of available test methods for the determination of carbonyls in mainstream cigar smoke	BALLENTINE R.M.; AVERY K.C.; MELVIN M.S.; SMITH J.H.; WAGNER K.A.	Altria Client Services LLC, Richmond, VA, U.S.A.
STPOST	34	Posters	Optical method for estimating mouth level exposure from conventional cigarettes and next generation tobacco and nicotine products	PRASAD K.; SLAYFORD S.; ASHLEY M.; GEE J.; NOTHER K.; GRAY A.; JONES J.	British American Tobacco (Investments) Limited, Central R&D, Southampton, U.K.
STPOST	35	Posters	Use of formalin in e-vapor products to monitor formaldehyde delivery	SPANGLER K.; WILKINSON J.; MELVIN M.S.; MILLER IV J.H.; KARLES G.D.	Altria Client Services LLC, Richmond, VA, U.S.A.
STPOST	36	Posters	Chemical and physical properties of FSC cigarette papers and physical properties of the cigarettes they were taken from: results from a small product survey of cigarette brand-styles sold in the USA	LAUTERBACH J.H.	Lauterbach & Associates, LLC, Macon, GA, U.S.A.
STPOST	37	Posters	FDA's proposed NNN product standard: quantitative risk assessment	MARANO K.M.(1); GENTRY P.R.(2); LIU C.(1)	(1) RAI Services Co., Winston-Salem, NC, U.S.A.; (2) Ramboll Environ, Monroe, LA, U.S.A.
STPOST	38	Posters	FDA's proposed NNN product standard: toxicological evidence review	MARANO K.M.(1); GREEN T.(2); GENTRY P.R.(2)	(1) RAI Services Co., Winston-Salem, NC, U.S.A.; (2) Ramboll Environ, Monroe, LA, U.S.A.
STPOST	39	Posters	Shelf-life of tobacco products: moisture transport modeling	KANE D.B.; KARLES G.D.; PITHAWALLA Y.B.	Altria Client Services LLC, Research, Development and Regulatory Affairs, Richmond, VA, U.S.A.
STPOST	40	Posters	A comparison of two different extraction methods for aromatic amines in mainstream smoke using gas chromatography-tandem mass spectrometry (GC/QQQ)	STINSON A.(1); GILLILAND S.(1); HUCKINS A.(1); GILLMAN I.G.(2); BROWN S.S.(2); STEELMAN D.(1)	(1) Liggett Group LLC, Mebane, NC, U.S.A.; (2) Enthalpy Analytical Inc., Durham, NC, U.S.A.
STPOST	41	Posters	Optimization of an analytical method for the determination of PAHs in tobacco and tobacco smoke by GC-MS	MARTIN A.	Enthalpy Analytical, Inc., Richmond, VA, U.S.A.
STPOST	42	Posters	Identification of candidate biomarkers of tobacco related diseases through gene/disease associations	EDMISTON J.(1); JESSEN W.(2); GOMATHINAYAGAM S.(3); REES W.(1); SARKAR M.(1)	(1) Altria Client Services LLC, Center for Research and Technology, Richmond, VA 23219, U.S.A.; (2) Laboratory Corporation of America, Greenfield, IN, U.S.A.; (3) Covance Greenfield Laboratories, Greenfield, IN, U.S.A.
STPOST	43	Posters	Biomarkers of exposure specific to e-vapor products based on stable-isotope labelled ingredients – methods	SCHERER M.(1); LANDMESSER A.(1); PLUYM N.(1); SCHERER G.(1); SARKAR M.(2); EDMISTON J.(2)	(1) ABF Analytisch-Biologisches Forschungslabor GmbH, Planegg, Germany; (2) Altria Client Services LLC, Center for Research and Technology, Richmond, VA, U.S.A.



2017 CORESTA SMOKE-TECHNO JOINT STUDY GROUPS MEETING - Kitzbühel, Austria - 8-12 October 2017

LIST OF ORAL / POSTER PRESENTATIONS

15/11/2017

Group	Num	Session	Abstract Title	Authors	Source
STPOST	44	Posters	Validation and comparison of the neutral red uptake assay in BALB/c 3T3 and CHO-WBL cells	HURTADO S.B; CALLUPE J.; MARTINEZ J.L.; SOOMER-JAMES J.; GROMER K.D.; KWOK V.Y.; FARABAUGH C.S.; <u>STANKOWSKI L.F. Jr.</u>	Charles River Laboratories - Skokie, Skokie, IL, U.S.A.
STPOST	45	Posters	Stability of the certified 1R6F reference cigarette	JH H.(1); WU Y.(1); FANNIN F.F.(2); BUSH L.(2)	(1) University of Kentucky, Center of Tobacco Reference Products, Lexington, KY, U.S.A.; (2) University of Kentucky, Department of Plant and Soil Sciences, Lexington, KY, U.S.A.
STPOST	46	Posters	Validation and comparison of the in vitro micronucleus assay in TK6 and CHO-WBL cells	WELLS M.; LORENZ M.; SOOMER-JAMES J.; KAYE S.L.; GROMER K.D.; BHATTACHARYA R.; OCO K.R.; KWOK V.Y.; FARABAUGH C.S.; <u>STANKOWSKI L.F. Jr.</u>	Charles River Laboratories - Skokie, Skokie, IL, U.S.A.
STPOST	47	Posters	Toxicity assessment of e-cigarette vapours on human vascular endothelial cells	JAKSCHITZ T.(1); DOPPLER C.(1,2); BERNHARD D.(2)	(1) Austrian Drug Screening Institute GmbH, Innsbruck, Austria; (2) Cardiac Surgery Research Laboratory, University Clinic for Cardiac Surgery, Medical University of Innsbruck, Innsbruck, Austria
STPOST	48	Posters	The in vitro biological assessment of a novel hybrid tobacco product and comparison with a cigarette smoke	BREHENY D.; ADAMSON J.; AZZOPARDI D.; BAXTER A.; BISHOP E.; CARR T.; CROOKS I.; HEWITT K.; JAUNKY T.; LARARD S.; LOWE F.; OKE O.; TAYLOR M.; SANTOPIETRO S.; THORNE D.; ZAINUDDIN B.; <u>GAÇA M.</u> ; LIU C.; MURPHY J.; PROCTOR C.J.	British American Tobacco (Investments) Limited, R&D, Southampton, U.K.
STPOST	49	Posters	In vitro assessment of a novel prototype e-cigarette	DALRYMPLE A.; <u>JAUNKY T.</u> ; TERRY A.; BOZHILOVA S.; BAXTER A.; ADAMSON J.; HEWITT K.; TAYLOR M.; CARR T.; GAÇA M.	British American Tobacco (Investments) Limited, R&D, Southampton, U.K.
STPOST	50	Posters	Vascular endothelial oxidative stress leading to hypertension: development of an AOP using in vitro assays	LOWE F.(2); ISMAIL R.S.(1); EL-MAHDY M.A.(1); ABDELGHANY T.M.(1); ZWEIER J.L.(1); BREHENY D.(2); PROCTOR C.J.(2); <u>GAÇA M.</u> (2)	(1) Ohio Smoking Research Center, Columbus, OH, U.S.A.; (2) British American Tobacco (Investments) Limited, R&D, Southampton, U.K.
STPOST	51	Posters	RNA-seq-based toxicogenomics shows limited impact of e-cigarette vapour on airway cells compared with cigarette smoke when matching for nicotine delivery	HASWELL L.; <u>BAXTER A.</u> ; BANERJEE A.; MUSHONGANONO J.; ADAMSON J.; THORNE D.; GAÇA M.; MINET E.	British American Tobacco (Investments) Limited, R&D, Southampton, U.K.
STPOST	53	Posters	Non-targeted screening of extractables and leachables in e-cigarettes using a Single Platform UPLC-APGC-QTOF-MS	MERUVA N.(1); CABOVSKA B.(1); SHAH D.(1); ORGANTINI K.(1); McCALL E.(2); CLELAND G.(1); ROZENICH R.(3); SCHREINER H.(3)	(1) Waters Corporation, Milford, MA, U.S.A.; (2) Waters Corporation, Wilmslow, U.K.; (3) Waters GmbH, Vienna, Austria
STPOST	54	Posters	Ion mobility mass spectrometry: a new tool for characterization of complex tobacco products	MULLIN L.(1); MERUVA N.(1); McCALL E.(2); CLELAND G.(1); ROZENICH R.(3); SCHREINER H.(3)	(1) Waters Corporation, Milford, MA, U.S.A.; (2) Waters Corporation, Wilmslow, U.K.; (3) Waters GmbH, Vienna, Austria
STPOST	55	Posters	Rapid authentication of tobacco flavors using DART-MS	ORGANTINI K.(1); MERUVA N.(1); McCALL E.(2); CLELAND G.(1); ROZENICH R.(3); SCHREINER H.(3)	(1) Waters Corporation, Milford, MA, U.S.A.; (2) Waters Corporation, Wilmslow, U.K.; (3) Waters GmbH, Vienna, Austria
STPOST	56	Posters	Benefits of mass detection for routine LC analysis of tobacco products	MERUVA N.(1); YANG J.(1); McCALL E.(2); ROZENICH R.(3); SCHREINER H.(3)	(1) Waters Corporation, Milford, MA, U.S.A.; (2) Waters Corporation, Wilmslow, U.K.; (3) Waters GmbH, Vienna, Austria

Name underlined = Presenter when the main author (listed first) is not presenting the paper