

## 2016-2017 Presentations

**Michelle Peace** and Justin Poklis, Co-Chairs. E-cigarettes: What you need to know and why you should care. Half-day Workshop. Society of Forensic Toxicologists, Dallas, TX. October 2016.

**Michelle Peace.** Teaching, Research, and Grants. How to Get Involved. Young Forensic Toxicologists' Student Enrichment Program. Society of Forensic Toxicologists, Dallas, TX. October 2016.

*Karen E. Butler*, Justin Poklis, Joseph B McGee Turner, **Alphonse Poklis**, **Michelle R. Peace.** Presumptive Analysis of E-cigarette Aerosol Using SPME for Analysis by GCMS and Accu-TOF DART Mass Spectrometry. Young Forensic Toxicologists Symposium Presentation. Society of Forensic Toxicologists, Dallas, TX. October 2016.

Carl E. Wolf, *Hao-Jung Chun*, Justin L. Poklis, **Alphonse Poklis.** Platform Presentation. Brain on Alcohol: Method for Alcohol Analysis in Brain Tissue by Headspace Gas Chromatography with Flame Ionization Detector (HSGC-FID). Society of Forensic Toxicologists, Dallas, TX. October 2016.

*Sara K. Dempsey*, Carl E. Wolf, Justin L. Poklis, **Alphonse Poklis.** Molly, Daffy, and Kiddy-Coke Walk into a Rave: A Case of Polysubstance Overdose. Platform Presentation. Society of Forensic Toxicologists, Dallas, TX. October 2016.

Carl E. Wolf, Justin L. Poklis, **Alphonse Poklis** Havoc in the Kitchen, Baking to get Baked, Preparation of Quality Control Materials. Platform Presentation. Society of Forensic Toxicologists, Dallas, TX. October 2016.

*Renata Nascimento*, Justin L. Poklis, Joseph K. Ritter, Carl E. Wolf, **Alphonse Poklis.** Knowing Your B's and C's: The Identification of 25BNBOMe and 25C-NBOMe Biomarkers. Poster Presentation. Society of Forensic Toxicologists, Dallas, TX. October 2016.

*Rose I. Krakowiak*, *Karen E. Butler*, *Joseph W. Stone*, Tyson R. Baird, Justin L. Poklis, Joseph B. McGee Turner, **Alphonse Poklis**, **Michelle R. Peace.** Analysis of Aerosolized Methamphetamine Infused E-Liquids by Solid Phase Microextraction using Gas Chromatography Mass Spectrometry (SPME-GC-MS), Direct Analysis in Real Time AccuTOFTM Mass Spectrometry (SPME-DART-MS), and Headspace Gas Chromatography Mass Spectrometry (HS-GC-MS). Poster Presentation. Society of Forensic Toxicologists, Dallas, TX. October 2016.

*Haley Mulder, Ivy P. Blue IV, Justin Poklis, Jesse Patterson, Rose Krakowiak, Kaitlyn Forsythe, Jasmynn Royals, Alexandra Dupont, **Alphonse Poklis, Michelle Peace,** Joseph Turner.* Temperature Characterization of Electronic Cigarette Atomizer by Infrared Temperature Sensing. Poster Presentation. Society of Forensic Toxicologists, Dallas, TX. October 2016.

*Katilyn N.L. Brooks, Justin Poklis, Joseph B. McGee Turner, **Alphonse Poklis, Michelle R. Peace.*** The Effect of Light and Temperature on Electronic Cigarette E-Liquid Formulations. Poster Presentation. Society of Forensic Toxicologists, Dallas, TX. October 2016.

*Laura A. McNew, Justin L. Poklis, Joseph B. McGee Turner, **Alphonse Poklis, Michelle R. Peace.*** A Presumptive Evaluation of Commercial Refill Formulations for Nicotine by a Microchemical Analysis Method Developed as a Field Test. Poster Presentation. Society of Forensic Toxicologists, Dallas, TX. October 2016.

*Ivy P. Blue IV, Karen E. Butler, Joseph B. McGee Turner, **Michelle R. Peace.*** Passive Extraction of Nicotine from Components of Electronic Cigarettes using Charcoal Strips. Poster Presentation. Society of Forensic Toxicologists, Dallas, TX. October 2016.

*Carrol R. Nanco, Kim Samano, Justin L. Poklis, Carl Wolf, **Alphonse Poklis.*** Disposition of the Synthetic Cannabinoid CP47,497 in the Mouse. Poster Presentation. Society of Forensic Toxicologists, Dallas, TX. October 2016.

*Jesse Lee Patterson.* Evaluation of the Particle Size in an Aerosol Produced by an Electronic Cigarette. Society of Forensic Toxicologist, Dallas, TX. October 2016.

***Michelle R. Peace,** Haley Mulder, Rose Krakowiak, Joseph B Turner, Justin Poklis, Matthew Halquist, Carl Wolf, **Alphonse Poklis.*** An Assessment of Drugs Other Than Nicotine (DOTNs) in Electronic Cigarette Product. Poster Presentation. PittCon, Chicago, IL. March 2017.

*Justin L Poklis. Carl E Wolf, **Michelle R Peace.*** Ethanol Concentration in 63 Refillable Electronic Cigarettes Liquid Formulations Determined by Headspace Gas Chromatography with Flame Ionization Detector (HS-GC-FID). Oral Sessions. PittCon, Chicago, IL. March 2017.

*James Stewart, Joseph M Turner, Justin L Poklis, **Alphonse Poklis, Michelle R Peace.*** Metal Composition of Electronic Cigarette Coils Pre- and Post-Heating by Scanning Electron Microscopy. Poster sessions. PittCon, Chicago, IL. March 2017.

*Jesse Lee Patterson, Justin Poklis, Michael Hindle, Joseph M Turner, Carl E Wolf, **Alphonse Poklis, Michelle R Peace.*** Evaluation of the Nicotine Particle Size in an Aerosol Formed by an Electronic Cigarette. PittCon, Chicago, IL. March 2017.

*Robert Stein, Tal Simmons, Christopher Ehrhardt, Jennifer Hankle.* Trace Element Analysis of Dental Enamel for the Geographic Attribution of Unidentified Remains. American Academy of Forensic Sciences, New Orleans, LA. February 2017.

*JenaMarie Baldaino, Jack Hietpas, JoAnn Buscaglia.* Morphology and Microanalysis of Aluminum Powders From Amateur Improvised Explosive Device Methods. American Academy of Forensic Sciences, New Orleans, LA. February 2017.

*Amelia Bussell, Cynthia Cornelissen, Richard Sikon, Baneshwar Singh.* Embalmed Human Cadavers Are Not Sterile: The Impact of Two Embalming Methods on the Microbiome of Human Cadavers. American Academy of Forensic Sciences, New Orleans, LA. February 2017.

*Claire Cartozzo, Baneshwar Singh, Edward Boone, Tal Simmons.* DNA Recovery From Waterlogged Bone: A Test of Three Methods. American Academy of Forensic Sciences, New Orleans, LA. February 2017.

*Claire Cartozzo, Tal Simmons, Edward Boone, Baneshwar Singh.* Predicting the Postmortem Submersion Interval (PMSI) Using the Microbiome of Waterlogged Bone. American Academy of Forensic Sciences, New Orleans, LA. February 2017.

*Waldon Chen, Joseph McGee Turner, Eric Hazelrigg, Christopher Ehrhardt.* Trace Chemical Analysis of Potassium Permanganate Hypergolic Mixtures Analyzed With Inductively Coupled Plasma/Optical Emission Spectroscopy (ICP/OES). American Academy of Forensic Sciences, New Orleans, LA. February 2017.

*Autumn Cooper, Carl Wolf II, Justin Poklis, Alphonse Poklis.* Preparation of “Gummy” Quality Control (QC) Material and the Analysis of Edible “Gummy” Products. American Academy of Forensic Sciences, New Orleans, LA. February 2017.

*Jordan Cox, Teresa Sikes DeCarmen, Catherine Cupples Connon, Kemper Gibson, Kimberly Jackson, James Landers, Tracey Dawson Cruz.* A Novel, Extraction-PCR Microdevice on a Rotation-Driven Platform: Buccal Swab to STR Product in Less Than Two Hours. American Academy of Forensic Science, New Orleans, LA. February 2017.

*Clare Diester, Tracey Dawson Cruz, Reema Elshaer, Amelia Bussell, Bonnie Brown, Sarah Seashols Williams.* The Evaluation of a Nanopore Sequencing Platform for Concordance and Reliability in Short Tandem Repeat (STR) Analyses. American Academy of Forensic Sciences, New Orleans, LA. February 2017.

*Carolyn Lewis, Tiffany Layne, Sarah Seashols Williams.* The Detection of MicroRNAs (miRNAs) in DNA Extraction Methods Commonly Used for Forensic Casework. American Academy of Forensic Sciences, New Orleans, LA. February 2017.

*Madison Rousset*, **Marilyn Miller**, Rebecca Nugent, Adam Becne III. The Evaluation of a Hand-Held Raman Spectrometer for Field Identification of Controlled Substances. American Academy of Forensic Sciences, New Orleans, LA. February 2017.

*Molly Woodson*, Kemper Gibson, Jordan Cox, Kimberly Jackson, James Landers, **Tracey Dawson Cruz**. Microchip-Based Antibody-Mediated Differential Lysis of Sperm Cells. American Academy of Forensic Sciences, New Orleans, LA. February 2017.

*Michael Woolf*, Vanessa Sufrin, **Tal Simmons**, **Baneshwar Singh**. Changes in Bacterial Community Structure and the Estimation of Long-Term Postmortem Interval (PMI). American Academy of Forensic Sciences, New Orleans, LA. February 2017.

*Jordan Cox*. DNA Fragment Migration: Complex Problems Can Have Simple Solutions. Mid-Atlantic Association of Forensic Scientists. Pittsburg, PA. May 2017.

*Clare Diester*. The Evaluation of a Nanopore Sequencing Platform for Concordance and Reliability in Short Tandem Repeat (STR) Analyses. Mid-Atlantic Association of Forensic Scientists. Pittsburg, PA. May 2017.