

VCU Department of Forensic Science

AAFS Presentations 2015

Tuesday, February 17th

- 7:00-8:30p **Young Forensic Scientist Forum- Bring Your Own Poster** – Nicotine Content in Electronic Cigarette Formulations Using Direct Analysis in Real Time (DART) AccuTOFTM Mass Spectrometry and High Pressure Liquid Chromatography Triple Quadrupole Mass Spectrometry (HPLC/MS/MS)
Tyson Baird
- 7:00-8:30p **Young Forensic Scientist Forum- Bring Your Own Poster** – High Throughput Sequencing of MicroRNAs in Forensically Relevant Biological Fluids for the Identification of Body Fluid Specific miRs
Chelsea Calloway
- 7:00-8:30p **Young Forensic Scientist Forum- Bring Your Own Poster** – A New Gas Chromatography-Mass Spectrometry Method for the Analysis of Lamotrigine in Postmortem Blood, Urine, and Solid Tissues
Cherelle Dugger
- 7:00-8:30p **Young Forensic Scientist Forum- Bring Your Own Poster** – The Use of High Throughput Sequencing to Identify Potential Normalization microRNAs Found in Eight Forensically Relevant Body Fluids
Nerissa Peace

Wednesday, February 18th

- 6:00-7:00p **Young Forensic Scientist Forum- Bring Your Own Slides** – Stability of microRNAs in Forensically Relevant Biological Fluids
Tiffany Layne
- 7:30-9:00p **K5** – The “Y’s” Have It: A High-Performance Liquid Chromatography Tandem Mass Spectrometry Method for the Determination of 25I-NBOH, 25I-NBOMe, and 2C-I in Urine
Sara Dempsey*, Justin L. Poklis, Carl E. Wolf II, Alphonse Poklis
- 8:00-10:00p **Virginia Commonwealth University Alumni and Student Reception**

Thursday, February 19th

- 11:30a-1:00p **B76** – Highly Multiplexed Analysis of STRs and SNPs Using Massively Parallel Sequencing: Concordance With Current Methodologies
Whitney Simpson*, Carey P. Davis, Cydne L. Holt, Tracey Dawson Cruz, Kathryn Stephens
- 11:30a-1:00p **B63** – Trace Chemical Signatures of Calcium Hypochlorite: Implications for the Attribution of Hypergolic Mixtures
Stephanie Yocca*, Alicia M. Zimmermann, Stephanie R. Harrold, Monique Jones, Joseph B. McGee Turner, Sarah C. Rutan, Christopher J. Ehrhardt
- 4:20-4:35p **B99** – Development of a Pre-Screening qPCR Mixture Detection Assay Using High-Resolution Melting Curve Analysis of the Short Tandem Repeat (STR) Loci D5S818 and D18S51
Kristi Kuehnert*, Nooli Hong, Sarah J. Seashols, Todd W. Bille, Steven Weitz, Tracey Dawson Cruz

Friday, February 20th

- 1:45-2:00p **B163** – The Effects of Burning and Mold Growth on the Analysis of Fire Logs
Kelsey Winters*, Michelle Evans
- 4:30-4:45p **B173** – Detection of Drugs in Pharmaceutical Preparations Where Diversion Can Occur by Direct Analysis in Real-Time AccuTOF™-Mass Spectrometry (DART®-MS)
Amanda Mohs*, Justin L. Poklis, Carl E. Wolf II, Michelle R. Peace, Alphonse Poklis
- 5:15-5:30p **B176** – Elemental Analysis of Presumptive Clandestine Laboratory Evidence Using Laser-Induced Breakdown Spectroscopy (LIBS)
Annessa Burnett*, Douglas DeGaetano, Rebecca Wagner

Saturday, February 21st

- 9:00-9:20a **B180** – Obtaining STR-Quality Touch DNA From Archived Latent Fingerprints
Aryn M. McClain, Marilyn T. Miller, Tracey Dawson Cruz*

