

Potomac Regional Symposium on Forensic DNA Analysis

Wednesday, November 4th

- 7:00 am **Registration**
- 8:15 am Welcoming Remarks
Alka Lohmann, Director, Virginia Department of Forensic Science
- 8:20 am NGS Solutions at QIAGEN (working title)
Josh Abernathy, Sr. Technical Accounts Manager, HID & Forensics, Qiagen
- 8:50 am Who Were They? Uncovering the Stories of East Marshall Street Well
Ancestors Through DNA Analysis
Baneshwar Singh, PhD, Associate Professor and Graduate Program Director, Department of Forensic Science, Virginia Commonwealth University, Richmond, Virginia
- 9:30 am DNA Recovery from Human Remains Submerged in Aggressive Household
Chemicals
Jennifer Snedeker, PhD, Postdoctoral Research Associate, Center for Human Identification, UNT Health Fort Worth
- 10:15 am **Break**
- 10:30 am A Comparison of Genetic and Proteomic Markers for the Analysis of Degraded
Sexual Assault Evidence (working title)
Zachary C. Goecker, Ph.D., Health Scientist, National Institute of Standards and Technology
- 11:15 am Differential Extraction and the Complicated Biology Underlying this Process
(working title)
Robin W. Cotton, Ph.D., Biomedical Forensic Sciences, Boston University Chobanian & Avedisian School of Medicine
- 12:00 pm **Lunch**
(12:00 pm – 1:30 pm)
- 1:30 pm DNA Extraction Efficiency and Optimized Recovery from Fired Cartridge
Casings (FCCs)
Lauren Mullen, Research Biologist, National Institute of Standards and Technology

Potomac Regional Symposium on Forensic DNA Analysis

Wednesday, November 4th

- 2:00 pm SRMs, RMs, and RGTMs, oh my!
Erica Romsos, Research Biologist, National Institute of Standards and Technology
- 2:30 pm Rise in non-fatal strangulation: Multidisciplinary practice implications
*Julie L. Valentine PhD, RN, SANE-A, FAAFS, FAAN, Professor, Barnes Presidential
Endowed Chair, University of Utah College of Nursing*
- 3:15 pm **Break**
- 3:30 pm Reducing Mixture Complexity: Paradyme™ 27GY STR System and Spectrum
CE System
Margaret Ewing, Product Manager, Genetic Identity Business Unit, Promega Corp.
- 4:00 pm A Profile Out of Place: Investigating an Unexpected CODIS Hit in the Annie
Le Homicide (working title)
*Peter Valentin, Ph.D. ABC-CC, CSCSA, Associate Professor of Forensic Science,
University of New Haven*

Potomac Regional Symposium on Forensic DNA Analysis

Thursday, November 5th

- 7:30 am **Registration**
- 8:30 am Impact of AI on Forensic DNA Analysis
*Mike Marciano, PhD, Professor of Practice / Director of Research - Syracuse University
Forensic and National Security Sciences Institute*
- 9:15 am Guilty by Transfer? Assessing the Evidentiary Value of Trace DNA
Ray Wickenheiser, DPS, MBA, New York State Police Crime Laboratory System (retired)
- 10:00 am **Break**
- 10:15 am Activity Level Challenges: Finding a Responsible Path Forward
*Lynn R. Garcia, General Counsel, Texas Forensic Science Commission
Jarrah R. Kennedy, Scientific Program Coordinator, Texas Forensic Science Commission*
- 12:30 pm **Lunch**
(12:30 pm – 2:00 pm)
- 2:00 pm When is DNA Analysis “Based on My Training and Experience” (BOMTAE)-
and Can That Be Reliable?
*J. H. Pate Skene, Cognitive Neuroscientist, Institute of Cognitive Science, University of
Colorado Boulder
Colin Bellair, Forensic Integrity Counsel, Assistant District Attorney, Travis County
District Attorney’s Office*
- 3:00 pm Transforming the Ecosystem: The Future in Focus (working title)
Jeremy Boone, Senior Field Application Scientist, Thermo Fisher Scientific
- 3:30 pm **Break**
- 3:45 pm STRmix and Testimony (working title)
*Brian Kim, LAPD Supervising Criminalist
Amanda D. Garrett, DNA Technical Leader for the WDOJ Wisconsin State Crime
Laboratories*
- 5:00 pm **End of Day**

Potomac Regional Symposium on Forensic DNA Analysis

Friday, November 6th

- 8:00 am Solving the Unsolvable: A Landmark Cold Case Sexual Assault Prosecution
Involving Identical Twin DNA
Master Detective Colleen Grantham, Professor Andrea Feldman, and Dr. Janet Cady
- 9:00 am IDseek[®]: Removing Workflow Barriers in Forensic MPS Enabled by Reverse
Complement PCR
Tim Kupferschmid, Sr Director, Genetic Identity Business Unit, Promega Corp.
- 9:30 am **Break**
- 9:45 am TBD
Dr. Donia Slack
- 10:45 am **Closing Remarks**
*Elizabeth Ballard, Forensic Biology Program Manager, Virginia Department of Forensic
Science*
- 11:00 am Virginia Department of Forensic Science Staff Meeting
(DFS Staff Only)