

Green Mountain DNA Conference

July 24-26, 2017
Burlington, Vermont

Monday, July 24

7:30 – 8:15 am	Registration & Continental Breakfast	Promenade
8:15 – 8:30 am	Welcome and Opening Remarks Trisha Conti, Director, Vermont Forensic Laboratory Eric Buel, Chair, Green Mountain DNA Conference Steering Committee	Emerald III Ballroom
Plenary Session Moderator: TBD		Emerald III Ballroom
8:30 – 9:15 am	<i>Microhaplotypes are coming of age</i> Ken Kidd, Yale University School of Medicine	
9:15 – 10:00 am	<i>Title TBD (topic: BIOID and World Wildlife Forensics and Conservation)</i> Michael Trizna, Smithsonian Institution	
10:00 – 10:30 am	Break	Promenade
Session Title TBD Moderator: TBD		Emerald III Ballroom
10:30 – 11:00 am	<i>Forensic epigenetics, a novel method for body fluid identification and pheotyping</i> Bruce McCord, Florida International University	
11:00 – 11:30 am	<i>The potential of PCR-free nanopore sequencing for forensic use</i> John Planz, University of North Texas Health Science Center	
11:30 – 12:00 pm	Discussion	
12:00 – 1:00 pm	Lunch	G's Restaurant
1:00 – 1:30 pm	<i>Protein based human Identification using the hair shaft proteome</i> Glendon Parker, University of California at Davis	
1:30 – 2:00 pm	<i>Automation of Differential Extraction with Sperm Quantitation using a Microfluidic-Integrated Shadow Imaging System for Forensic Applications</i> Lenny Klevan, DxNOW, Inc.	
2:00 – 2:30 pm	<i>Furensics: Investigating Human Crimes Using Animal DNA</i> Christina Lindquist, University of California at Davis	
2:30 – 3:00 pm	Break	Promenade

Tuesday, July 25

7:30 – 8:30 am	Continental Breakfast	Promenade
Session Title TBD Moderator: TBD		Emerald III Ballroom
8:30 – 9:15 am	<i>Title TBD (topic: DNA Forensics A World Update)</i> Tim Schellberg, Gordon Thomas Honeywell Governmental Affairs	
Session Title TBD Moderator: TBD		Emerald III Ballroom
9:15 – 9:45 am	<i>Advanced Methods for Analyzing PCR-MPS Data from DNA Mixtures</i> Brian Young, NicheVision Forensics, Inc.	
9:45 – 10:15 am	<i>Probabilistic Genotyping: Demystified</i> Kent Harman, Genetic Technologies, Inc.	
10:15 – 10:45 am	Break	Promenade
10:45 – 11:15 am	<i>The impact of continuous DNA mixture interpretation models on evidential inference</i> Desmond Lun, Rutgers University	
11:15 – 11:45 am	<i>Rapid DNA – Current and Future</i> Tom Callaghan, Federal Bureau of Investigation	
11:45 – 12:00 pm	Discussion	
12:00 – 1:00 pm	Lunch	G's Restaurant
1:00 – 1:30 pm	<i>Title TBD (topic: Update on the NIJ NGS Project - Future Considerations and Lessons Learned)</i> Richard Guerrieri, Battelle Memorial Institute	
1:30 – 2:00 pm	<i>A Comprehensive Read Analysis of PowerSeq™ MPS Data provides a conceptual framework for interpreting MPS data in forensic casework</i> Mark Wilson, Battelle Memorial Institute	
2:00 – 2:30 pm	<i>Internal Validation of the Forenseq™ DNA Signature Prep Kit for Reference Samples: Successes and Lessons Learned</i> Lilliana Moreno, Federal Bureau of Investigation	
2:30 – 3:00 pm	Break	Promenade

Session Title TBD
Moderator: TBD

Emerald III Ballroom

3:00 – 3:30 pm	<i>Acquiring, Assessing and Planning the Deployment of NGS Technology for Forensic Casework</i> Soulbee Jin, Centre of Forensic Sciences	
3:30 – 4:00 pm	<i>Protein-based human forensic identification</i> Craig Bartling, Battelle Memorial Institute	
4:00 - 4:30 pm	<i>Developmental Validation of a Rapid Serology Test Capable of Simultaneous Detection of up to Six Bodily Fluids</i> Toby Hampshire, LGC	
4:30 – 5:00 pm	Discussion	
5:45 pm	Depart for Dinner Cruise	Hotel Registration Lobby
6:15 pm	Boarding for Dinner Cruise	Downtown Burlington
6:30 – 9:30 pm	Dinner Cruise on Lake Champlain Cruise sponsored by Illumina Inc.	

Wednesday, July 26

7:30 – 8:30 am	Continental Breakfast	Promenade
Attendee Session Moderators: TBD		Emerald III Ballroom
8:30 – 8:50 am	<i>Photo-degradable Collection Swab: A novel approach for improved sample recovery from forensics samples</i> Arunkumar Natarajan, GE Global Research	
8:50 – 9:10 am	<i>Front-end separation of biological mixtures: harnessing biochemical variation and fluorescent properties of cells to generate single source STR profiles</i> M. Katherine Philpott, Virginia Commonwealth University	
9:10 – 9:30 am	<i>Rapid Processing, Normalization and Direct Amplification of Casework Samples</i> Anupama Gopalakrishnan, Promega Corporation	
9:30 – 9:50 am	<i>Exploring methods for the identification of non-human biological material encountered in casework</i> Kelly Meiklejohn, Federal Bureau of Investigation	
9:50 – 10:20 am	Break	Promenade
10:20 – 10:40 am	<i>Development and Validation of a Targeted Next generation Sequencing Solution for Forensic Genomics</i> Joe Varlaro, Illumina, Inc.	
10:40 – 11:00 am	<i>How the recognition of Type II DNA damage helped resolve an unidentified human remains case</i> Brandon Letts, Federal Bureau of Investigation	
11:00 – 11:20 am	<i>Bridge from CE to NGS – a study to review data across two technologies</i> Ravi Gupta, Thermo Fisher Scientific	
11:20 – 11:40 am	<i>Cell-Free Nucleic Acids in Fingerprints</i> Todd Bille, Bureau of Alcohol, Tobacco, Firearms and Explosives Laboratory	
11:40 – 12:00 pm	Final Discussion and Closing Remarks Trisha Conti, Director, Vermont Forensics Laboratory Eric Buel, Chair, Green Mountain DNA Conference Steering Committee	Emerald III Ballroom
12:00 – 1:00 pm	Lunch* Sponsored by Promega Corporation *only for Workshop attendees	G's Restaurant
1:00 – 4:30 pm	Workshop Sponsored by Promega Corporation	Emerald III Ballroom