

Green Mountain DNA Conference

August 1-3, 2016
Burlington, Vermont

Monday, August 1

7:30 – 8:15 am	Registration & Continental Breakfast	Conference Center Lobby
8:15 – 8:30 am	Welcome and Opening Remarks Trisha Conti, Director, Vermont Forensic Laboratory Ron Fourney, Royal Canadian Mounted Police, Green Mountain DNA Conference Steering Committee	University Amphitheater
Plenary Session Moderator: Ron Fourney		University Amphitheater
8:30 – 9:30 am	<i>Understanding Health and Disease Using Omics and Big Data</i> Michael Snyder, Stanford University	
9:30 – 10:15 am	<i>The Path of Sexual Assault Investigations – From ABO to DNA with Vista Points Along the Way</i> George Sensabaugh, University of California, Berkeley	
10:15 – 10:45 am	Break	Conference Center Lobby
Probabilistic Genotyping Moderator: Mark Wilson		University Amphitheater
10:45 – 11:15 am	<i>What is Probabilistic Modeling?</i> Susan Greenspoon, Virginia Department of Forensic Science	
11:15 – 11:45 am	<i>Validation of TrueAllele® Casework at the Virginia Department of Forensic Science</i> Susan Greenspoon, Virginia Department of Forensic Science	
11:45 – 12:00 pm	Discussion	
12:00 – 1:00 pm	Lunch	G's Restaurant
1:00 – 1:45 pm	<i>Developing Laboratory Policies & Procedures from Internal Validation of Probabilistic Genotyping Software: a STRmix Example</i> Tamyra Moretti, FBI Laboratory	
1:45 – 2:45 pm	<i>Probabilistic Genotyping and the Bench Scientist: How does one actually use these new software programs in everyday cases?</i> John Barron, Richland County Sheriff's Department Tim Kalafut, US Army Criminal Investigation Laboratory	
2:45 – 3:15 pm	Break	Conference Center Lobby

Tuesday, August 2

7:30 – 8:30 am	Continental Breakfast	Conference Center Lobby
OSAC Update Moderator: Ron Fourney		University Amphitheater
8:30 – 9:15 am	<i>OSAC Biology SAC Update and a Walk on the Wild Side of Forensics</i> Kathy Moore, National Oceanic and Atmospheric Administration, Marine Forensic Laboratory	
Next Generation Sequencing Moderator: Jack Ballantyne		University Amphitheater
9:15 – 9:45 am	<i>A Highly Automated NGS System for Targeted Sequencing of DNA and RNA Markers for Human Identity and Body Fluid Identification Applications</i> Jack Ballantyne, National Center for Forensic Science	
9:45 – 10:15 am	<i>Internal Validation of the MiSeq FGx Forensic Genomics System: Practical Considerations and Lessons Learned</i> Bill Hudlow, California Department of Justice	
10:15 – 10:45 am	Break	Conference Center Lobby
10:45 – 11:15 am	<i>Applied Genomics Update: The Battelle (NIJ) Study and an MPS Technology Transfer Initiative</i> Richard Guerrieri, Battelle	
11:15 – 11:45 am	<i>Validation Challenges for Implementing Massively Parallel Sequencing into Forensic DNA Casework</i> Mark Wilson, Battelle	
11:45 – 12:00 pm	Discussion	
12:00 – 1:00 pm	Lunch	G's Restaurant
1:00 – 1:30 pm	<i>Sequencing STRs in Forensic Mixtures: Current Perspective on the Benefits and Challenges</i> Katherine Butler Gettings, NIST	
1:30 – 2:00 pm	<i>Considerations for NGS Implementation within a Casework DNA Laboratory</i> Sean Oliver, Armed Forces DNA Identification Laboratory	
2:00 – 2:30 pm	<i>Usefulness of Single Nucleotide Polymorphisms in Establishing Investigative Leads</i> Lilliana Moreno, FBI Laboratory	
2:30 – 3:00 pm	Break	Conference Center Lobby

Forensics on the Horizon
Moderator: George Duncan

University Amphitheater

3:00 – 3:30 pm *Traps for the Unwary: New Pre-Trial Disclosure Issue in Forensic Biology and Emerging Issues That Will Arrive More Quickly Than Expected*
Steve Hogan, New York State Police Crime Laboratory

Advances in Forensic Analysis
Moderator: George Duncan

University Amphitheater

3:30 – 4:00 pm *Deployment of a Fully Automated Mass Spectrometry Based Serology Assay*
Kevin Legg, Center for Forensic Science Research and Education

4:00 - 4:30 pm *Adopting the ParaDNA[®] Intelligence and Screening Tests to Gain Efficiencies at Crime Scenes and in the Evidence Recovery Unit*
Chantal Frégeau, Royal Canadian Mounted Police

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, August 3

7:30 – 8:30 am	Continental Breakfast	Conference Center Lobby
Attendee Session		University Amphitheater
Moderators: Joy Mapp/Ron Fourney		
8:30 – 8:50 am	<i>Bodily Fluids on Laundered Evidence – A Comprehensive Summary of Potential Forensic Biology and DNA Results</i> Margaret Skokan, Denver Crime Laboratory	
8:50 – 9:10 am	<i>Examining Secondary Transfer and Recovery of DNA from the Adhesive Surface of Tape</i> Steven Weitz, Bureau of Alcohol, Tobacco, Firearms, and Explosives	
9:10 – 9:30 am	<i>Success Rates from Touch DNA in Property Crimes</i> Rebecca Mikulasovich, Harris County Institute of Forensic Sciences	
9:30 – 9:50 am	<i>Do Plastic Leachables Interfere with Forensic DNA Control Solutions?</i> Joana Dias, Laboratoire de Sciences Judiciaires et de Médecine Légale	
9:50 – 10:20 am	Break	Conference Center Lobby
10:20 – 10:40 am	<i>An Improved Capillary Electrophoresis System for Human Identification</i> Danielle Brownell, Promega Corporation	
10:40 – 11:00 am	<i>Evaluation of Next Generation Sequencing Platforms for Forensic Casework</i> Elisa Wurmbach, Office of Chief Medical Examiner New York	
11:00 – 11:20 am	<i>Kinship Analysis Using X-STRs</i> Mary Jones Dukes, QIAGEN, Inc.	
11:20 – 11:40 am	<i>New Technologies for the Analysis of Challenging Samples Using Retrotransposable Elements</i> Gina Pineda Murphy, InnoGenomics Technologies	
11:40 – 12:00 pm	Final Discussion and Closing Remarks	University Amphitheater
	Trisha Conti, Director, Vermont Forensics Laboratory Ron Fourney, Royal Canadian Mounted Police, Green Mountain DNA Conference Steering Committee	
12:00 – 1:00 pm	Lunch*	G's Restaurant
	Sponsored by Thermo Fisher Scientific *only for Workshop attendees	
1:00 – 4:30 pm	Workshop	University Amphitheater
	Future Trends in Forensic DNA Technology Seminar Series Sponsored by Thermo Fisher Scientific	