

# Green Mountain DNA Conference

July 22-24, 2024  
Burlington, Vermont

Monday, July 22

7:30 – 8:15 am	Registration & Continental Breakfast	Promenade
8:15 – 8:30 am	Welcome and Opening Remarks Trisha Conti, Director, Vermont Forensic Laboratory Jennifer Morrison, Commissioner, Vermont Department of Public Safety	Emerald III Ballroom
<b>Moderator:</b>		Emerald III Ballroom
8:30 – 9:15 am	<i>Forensics and Investigative Techniques - Challenges</i> Frederick R. Bieber, Harvard University	
9:15 – 10:00 am	<i>Title TBD</i> Lisa Hurst and Rock Harmon, Gordon Thomas Honeywell Government Affairs	
10:00 – 10:30 am	Break	Promenade
10:30 – 11:00 am	<i>Systematic Review &amp; Meta-Analysis of Swab Types for Forensic Biology Use</i> Jillian Conte, National Institute of Justice	
11:00 – 11:30 am	<i>Constructing a new laboratory and analytic workflow for mixture deconvolution using microhaplotypes</i> Sarah Cavanaugh, Bode Technology	
11:30 – 12:00 pm	<i>Title TBD</i> Tim Kalafut, Sam Houston State University	
12:00 – 1:00 pm	Lunch	The Atrium
<b>Moderator:</b>		Emerald III Ballroom
1:00 – 1:30 pm	<i>Title TBD</i> Jeffrey Wells, Florida International University	
1:30 – 2:00 pm	<i>Single cell data engenders posterior distributions concentrated at the true genotypes for all mixtures and donors</i> Catherine Grgicak, Rutgers University	
2:00 – 2:30 pm	<i>Current Practices and Developing Methods in Forensic Serology</i> Sarah Seashols-Williams, Virginia Commonwealth University	
2:30 – 3:00 pm	Break	Promenade

**Moderator:** Emerald III Ballroom

3:00 – 3:30 pm *Advances in Forensic Tissue Evaluation*  
Jack Ballantyne, University of Central Florida

3:30 – 4:00 pm *Chemical excision of osteogenic cells from cortical bone slices through complete collagenase digestion*  
Ciara Rhodes, Virginia Commonwealth University

4:00 – 4:30 pm *Sex-Based Targeted Recovery of Cells in a Heterogeneous Mixture: Separating Male- and Female-Like Cells*  
Michael Marciano, Syracuse University

4:45 – 7:00 pm Evening Reception Promenade  
**Sponsored by**

**Tuesday, July 23**

7:30 – 8:30 am	Continental Breakfast	Promenade
<b>Moderator:</b>		Emerald III Ballroom
8:30 – 9:15 am	<i>Investigative Forensic Genetic Genealogy Progress and Challenges</i> Thomas Callaghan, FBI Laboratory	
9:15 – 10:00 am	<i>A Perspective on the Future of Microbial Forensics</i> James Crill, Syracuse University	
10:00 – 10:30 am	Break	Promenade
10:30 – 11:15 am	<i>Applying Rapid DNA technologies to CBRNE events</i> Chantal Fregeau, Royal Canadian Mounted Police	
11:15 – 12:00 pm	<i>Determining kinship in missing persons and disaster victim identification cases with an end-to-end workflow</i> Melissa Kotkin, QIAGEN	
12:00 – 1:00 pm	Lunch	The Atrium
<b>Moderator:</b>		Emerald III Ballroom
1:00 – 1:30 pm	<i>DNA Evaluative Reporting in American Courtrooms: How is That Supposed to Work, Exactly?</i> Melissa Mourges, New York County District Attorney's Office	
1:30 – 2:00 pm	<i>The Status of New DNA Technologies in the Courtroom</i> Rachel Oefelein, DNA Labs International	
2:00 – 2:30 pm	<i>Forensic DNA Analysis a Legal Retrospective</i> Dawn Herkenham	
2:30 – 3:00 pm	Break	Promenade
<b>Moderator:</b>		Emerald III Ballroom
3:00 – 3:30 pm	<i>NIJ funding targeted at public crime laboratories – A historical look at the last eight years</i> Tracey Johnson, National Institutes of Justice	
3:30 – 4:00 pm	<i>Choosing the Right Workflow: An Evaluation of Genotyping Technologies for Sexual Assault Casework</i> Robert Bever, Bode Technology	
4:00 – 4:30 pm	<i>Title TBD</i> Iyman Almubarak, New York City Office of the Chief Medical Examiner	
5:45 pm	Depart for Dinner Cruise	Conference Center Lobby

**Transportation Sponsored by**

6:15 pm

Boarding for Dinner Cruise

Downtown Burlington

6:30 – 9:30 pm

Dinner Cruise on Lake Champlain  
**Sponsored by**

**Wednesday, July 24**

7:30 – 8:30 am	Continental Breakfast	Promenade
<b>Moderator:</b>		Emerald III Ballroom
8:30 – 9:15 am	<i>Long Range mtDNA Sequencing for mtDNA Mixture Deconvolution</i> Scott Tighe, University of Vermont Brian Young, NicheVision Forensics	
9:15 – 10:00 am	<i>Title TBD</i> Roxanne Zascavage, University of North Texas Health Science Center	
10:00 – 10:30 am	Break	Promenade
10:30 – 11:00 am	<i>What you're missing matters: Oxford Nanopore Technologies Updates and In Development</i> Edward Sawicki, Oxford Nanopore Technologies	
11:00 – 11:30 am	<i>Mississippi: A Backlog Plan Enacted</i> Mary Jones Dukes, Mississippi Forensics Laboratory	
11:30 – 12:00 pm	<i>Title TBD</i> Speaker TBD, Thermo Fisher Scientific	
12:00 pm	Final Discussion and Closing Remarks Trisha Conti, Director, Vermont Forensic Laboratory	
1:00 – 4:30 pm	Workshop <b>Sponsored by</b>	Emerald III Ballroom