



DAY 1

Tuesday, March 1: 10:00 a.m.—5:50 p.m. Eastern Time (ET)

10:00-10:05	Welcome and Opening Remarks
10:05-1:15	Session I—Impression and Pattern Evidence/Trace Evidence
1:15-2:15	BREAK
2:15-2:20	Welcome and Opening Remarks
2:20-5:50	Session II—Seized Drugs and Toxicology

DAY 2

Wednesday, March 2: 10:00 a.m.-5:00 p.m. ET

10:00-10:05	Welcome and Opening Remarks
10:05-12:50	Session III—Forensic Biology/DNA
12:50-2:10	BREAK
2:10-2:15	Welcome and Opening Remarks
2:15-5:00	Session IV—Forensic Anthropology and Forensic Pathology

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DAY 1—Tuesday, March 1: 10:00 a.m.—5:50 p.m. ET

10:00-1:15	SESSION I—Impression and Pattern Evidence/Trace Evidence Moderated by NIJ Program Manager Gregory Dutton
10:00-10:05	Welcome and Opening Remarks Gregory Dutton, National Institute of Justice
10:05-10:30	Validating Conclusion Scales in the Forensic Sciences (2018-DU-BX-0212) Thomas Busey, Indiana University
10:30-10:55	Assessing Error Rates in Multiple Examiner Groups Using Regression Methods (2019-DU-BX-4011) Larry Tang, University of Central Florida
10:55–11:20	Evaluating the Spatial Distribution of Randomly Acquired Characteristics on Outsoles (2018-MU-MU-0003) Jacqueline A. Speir, West Virginia University
11:20-11:35	Q&A
11:35-11:45	BREAK
11:45–12:10	Advancing Reporting of Significance From the Analysis and Comparison of Glass Evidence: A Global Collaboration (2018-DU-BX-0194) José R. Almirall, Florida International University
12:10-12:35	Attenuated Total Reflection Infrared Microscopic Analysis of Simulated Automotive Paint Smears for Vehicle-Vehicle Collisions (2017-IJ-CX-0022) Barry K. Lavine, Oklahoma State University
12:35-1:00	Analysis of Small Particles Adhering to the Edges of Duct Tape as a Means to Make Associations in a Way That Is Independent of Manufactured Characteristics (2020-MU-CX-0018) David A. Stoney, Stoney Forensic, Inc
1:00-1:15	Q&A
1:15-2:15	Session I Adjourn

DAY 1—Tuesday, March 1: 10:00 a.m.—5:50 p.m. ET

SESSION II—Seized Drugs and Toxicology Moderated by NIJ Program Manager Frances Scott		
Welcome and Opening Remarks Frances Scott, National Institute of Justice		
Accurate THC Determinations in Seized Cannabis Samples for Forensic Laboratories (DJO-NIJ-20-RO-0009) Walter Brent Wilson, National Institute of Standards and Technology		
Development of a Validated UHPLC-DAD Method with Optional ESI/TOFMS Detection for Rapid Quantification of Δ^9 -THC and Δ^9 -THCA Among Sixteen Cannabinoids in Hemp Concentrates (2020-DQ-BX-0021) Liguo Song, Western Illinois University		
Quantitative Analysis of Δ^9 -Tetrahydrocannabinol (THC) in the Presence of THC Isomers in Biological Specimens Using Liquid Chromatography Tandem Mass Spectrometry (2020-DQ-BX-0017) Rebecca Wagner, Virginia Department of Forensic Science		
Blood Protein Modification Assay for Retrospective Detection of Abused Drug Exposure (2017-MU-BX-0002 and 2020-R2-CX-0023) Anthony P. DeCaprio, Florida International University		
Q&A		
BREAK		
Development of an Open-Source Direct Analysis in Real Time Mass Spectrometry (DART-MS) Search Software and Library Building Tool for the Analysis of Complex Drug Mixtures (DJO-NIJ-20-RO-0012) Edward Sisco and Arun S. Moorthy, National Institute of Standards and Technology		
Fusion of DART-HRMS-Derived Dark Matter and Infrared Spectroscopy for the Identification of New Psychoactive Substances (2017-R2-CX-0020) Rabi Ann Musah, University of Albany—State University of New York		
Expert Algorithm for Substance Identification (EASI) From Mass Spectra (2018-75-CX-0033) Glen P. Jackson, West Virginia University		
NPS Discovery Toolkits: Real-Time Identification and Dissemination of Information Regarding Novel Psychoactive Substances (2020-DQ-BX-0007) Sara E. Walton, Center for Forensic Science Research and Education		
Q&A		
Day 1 Adjourn		

DAY 2—Wednesday, March 2: 10:00 a.m.-5:00 p.m. ET

10:00–12:50	SESSION III—Forensic Biology/DNA Moderated by NIJ Program Manager Tracey Johnson
10:00-10:05	Welcome and Opening Remarks Tracey Johnson, National Institute of Justice
10:05-10:25	Evaluation of Precision ID GlobalFiler NGS STR Panel (2018-DU-BX-0166) Elisa Wurmbach, New York City Office of Chief Medical Examiner
10:25-10:45	Verification and Evaluation of a miRNA Panel for Body Fluid Identification Using DNA Extracts (2012-DN-BX-K017, 2016-DN-BX-0163, and 2019-NE-BX-0005) Sarah Seashols-Williams, Virginia Commonwealth University
10:45-11:05	Variation in Laboratory Policies and Procedures Related to Interpretation of DNA Mixtures (2020-R2-CX-0049) R. Austin Hicklin, Noblis, Inc.
11:05-11:20	Q&A
11:20-11:35	BREAK
11:35–11:55	Interpretation of Y Chromosome STRs for Missing Persons Cases (2020-DQ-BX-0018) Jianye Ge, University of North Texas Health Science Center
11:55–12:15	Assessment of Sexual Assault Kit (SAK) Evidence Selection Leading to Development of SAK Evidence Machine-Learning Model (SAK-ML Model) (2019-NE-BX-0001) Julie L. Valentine, Brigham Young University College of Nursing
12:15-12:35	Interpretation of Y-STR Evidence (2020-DQ-BX-0022) Bruce Weir, University of Washington
12:35-12:50	Q&A
12:50-2:10	Session III Adjourn

DAY 2—Wednesday, March 2: 10:00 a.m.-5:00 p.m. ET

2:10-5:00	SESSION IV—Forensic Anthropology and Forensic Pathology Moderated by NIJ Program Manager Danielle McLeod-Henning
2:10-2:15	Welcome and Opening Remarks Danielle McLeod-Henning, National Institute of Justice
2:15-2:35	Discovering Clandestine Human Remains Using Unmanned Aerial System Remote Sensing (2019-DU-BX-0027) Daniel J. Wescott, Texas State University
2:35-2:55	Microbial Clock of Human Decomposition Accurately Estimate Postmortem Interval (2015-DN-BX-K016 and 2016-DN-BX-4194) Zachary M. Burcham and Jessica L. Metcalf, Colorado State University
2:55–3:15	Progress Towards the Development of a Database of Chemical Fingerprint Signatures for Species Identification of Necrophagous Insects (2020-MU-MU-0016) Rabi Ann Musah, University of Albany—State University of New York
3:15-3:30	Q&A
3:30-3:45	BREAK
3:45-4:05	Exploring Phenotypic Variation Throughout Ontogeny and Its Impact on Forensic Anthropology (2015-DN-BX-K409 and 2019-DU-BX-0039) Kyra E. Stull, University of Nevada, Reno
4:05-4:25	Human Identification From Computed Tomography Derived 3D Models Using Part-to-Part Comparison Analysis (2019-DU-BX-0031) Summer J. Decker, University of South Florida Morsani College of Medicine
4:25-4:45	Solving Cases of Sudden Unexpected Natural Death in the Young through Comprehensive Postmortem Genetic Testing (2018-DU-BX-0204) Yingying Tang, New York City Office of Chief Medical Examiner
4:45-5:00	Q&A
5:00	Day 2 Adjourn





















