



**The NIJ**

**CONFERENCE 2011**

TRANSLATIONAL  
CRIMINOLOGY:

SHAPING POLICY  
AND PRACTICE  
WITH RESEARCH

**U.S. Department of Justice  
Office of Justice Programs**

810 Seventh St. N.W.  
Washington, DC 20531

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The *NIJ* CONFERENCE 2011

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## CONFERENCE PROGRAM

June 20–22, 2011 ■ Arlington, VA

Watch [NIJ.gov](http://NIJ.gov) for future conference dates!

**RESCHEDULED!**

*New Workshops Added*

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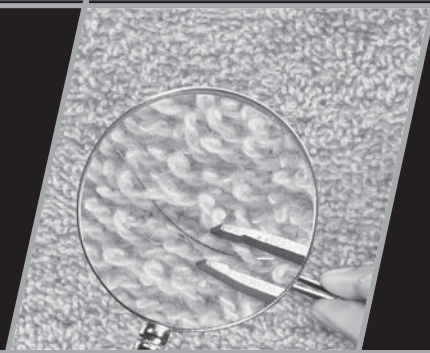
**For more information, visit**  
<http://www.nij.gov/nij/events/maps/welcome.htm>

The Eleventh  
**Crime  
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Conference**

**Crime, Social Ills, and Place-Based Solutions**

# **TRACE EVIDENCE SYMPOSIUM**

*AUGUST 8–11, 2011, KANSAS CITY, MO*



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**For more information, visit**  
<http://projects.nfstc.org/trace/2011/>



LIST OF  
**Exhibits**

**National Institute of Justice**

810 Seventh St. N.W.  
Washington, DC 20531  
Phone: 202-307-2942  
<http://www.nij.gov>

**CrimeSolutions.gov**

Office of Justice Programs  
810 Seventh St. N.W.  
Washington, DC 20531  
Phone: 202-307-0703  
<http://www.ojp.gov>

**National Archive of Criminal  
Justice Data**

Inter-University Consortium for Political  
and Social Research (ICPSR)  
University of Michigan  
P.O. Box 1248  
Ann Arbor, MI 48106  
Phone: 800-999-0960  
<http://www.icpsr.umich.edu/NACJD>

**National Law Enforcement and  
Corrections Technology Center**

2277 Research Blvd., M/S 8J  
Rockville, MD 20850  
Phone: 800-248-2742  
<http://www.justnet.org>

**Weapons and Protective Systems  
Technology Center of Excellence**

Penn State Applied Research Laboratory  
P.O. Box 30  
State College, PA 16804  
Phone: 814-865-8110  
<http://www.arl.psu.edu/WPSTC>

**Forensic Technology Center of Excellence**

National Forensic Science Technology Center  
7881 114th Ave. N.  
Largo, FL 33773  
Phone: 727-549-6067  
<http://www.nfstc.org>

**National Missing and Unidentified  
Persons System (NamUs)**

7881 114th Ave. N.  
Largo, FL 33773  
Phone: 727-549-6067  
<http://www.namus.gov>

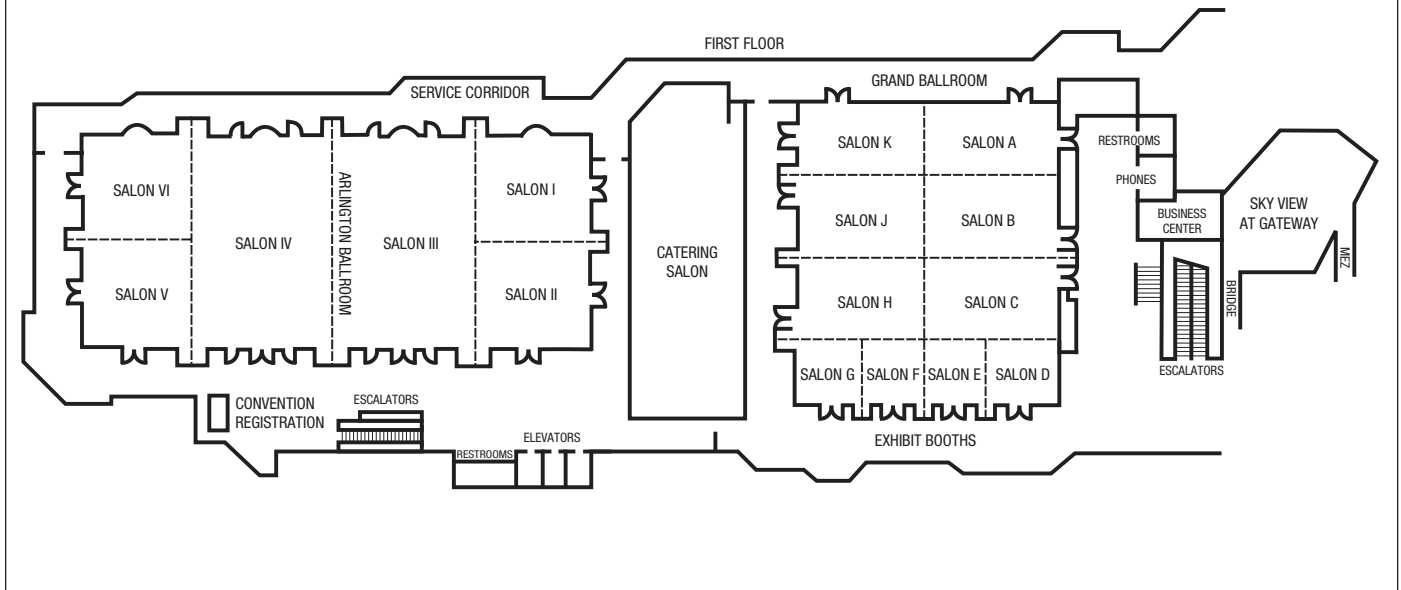
**U.S. Department of Defense Domestic  
Preparedness Support Initiative**

1225 South Clark St., Suite 1200A  
Arlington, VA 22202  
Phone: 703-601-0513  
<http://policy.defense.gov/domesticprep>

**Biometrics Technologies for  
Criminal Justice Applications**

National Institute of Justice  
810 Seventh St. N.W.  
Washington, DC 20531  
Phone: 202-307-2942  
<http://www.nij.gov>

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- Protecting Borders
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8:30 a.m.	Welcome and Opening Remarks	Arlington Ballroom
8:45 a.m.	Plenary Panel Translating the Science of Community to Criminal Justice Practice (and Back)	Arlington Ballroom
10:15 a.m.	Break	
10:30 a.m.	Concurrent Sessions	
	■ Expert Systems, Databases, and Other Software-Based Methods to Improve Use of Forensic DNA Data	Salon A
	■ Indigent Defense: Research Needs and Alternative Practices	Salon B
	■ Findings From Victims' Rights Evaluations	Salon C
	■ Transnational Organized Crime: Research Informing Practice	Salon D–E
	■ Bone, Bugs, and Beyond: The Present and Future of Postmortem Interval (PMI) Estimation Research	Salon F–G
	■ Human Factors in Latent Print Examination	Salon H
	■ The National Broadband (Communications) Plan: Issues for Public Safety	Salon J
	■ Domestic Violence: What We Know From the Research and the Data	Salon K
12:15 p.m.	Luncheon and Keynote Address	Arlington Ballroom
2:00 p.m.	Concurrent Sessions	
	■ The Evolution of Single Nucleotide Polymorphism Research and (Possible) Implementation Into Practice	Salon A
	■ Examining the Evidence: CrimeSolutions.gov's Identification of Effective Programs	Salon B
	■ Transitions From Juvenile Delinquency to Adult Crime	Salon C
	■ When Jigsaw Puzzle Enthusiasts Are Not Enough: NIJ Research Into the Elemental Analysis of Glass	Salon F–G
	■ Findings From the Longitudinal Platform of Policing Research	Salon H
	■ How Collaboration Between Researchers and Police Chiefs Can Improve the Quality of Sexual Assault Investigations: A Look at Los Angeles	Salon J
	■ San Bruno Gas Line Explosion: Translating Research Into Practice	Salon K
3:30 p.m.	Break	
3:45 p.m.	Forensic Science Poster Session	Sky View Atrium
3:45 p.m.	Concurrent Sessions	
	■ Keeping Officers Safe Through Improved Hazards Protection	Salon A
	■ Reviewing the Evidence: A Review of Evidence-Based Programs in CrimeSolutions.gov	Salon B
	■ Human Trafficking: Improving the Knowledge Base and Supporting New Researchers	Salon C
	■ Ensuring That the Equipment Used by Practitioners Is Safe and Effective	Salon D–E
	■ Untested Sexual Assault Kit Evidence: Understanding the Problem	Salon F–G
	■ The Evaluation of NIJ by the National Research Council of the National Academy of Sciences: NIJ's Response	Salon J
	■ Teaching Rounds in Police Departments: Adapting a Medical Model for 21st Century Police Leadership	Salon K
5:15 p.m.	Adjourn	

## Panel Tracks

Shaping  
the Future



Corrections



Courts



Forensic Policy



Forensic Technical



Policing and  
Public Safety



Violence and  
Victimization





**8:30 a.m. Welcome and Opening Remarks** Arlington Ballroom

**8:45 a.m. Plenary Panel**  
**Translating the Science of Community to Criminal Justice Practice (and Back)** Arlington Ballroom

Research shows that healthy communities share basic values: neighbors look out for one another and social connections are strong. A groundbreaking study from one of the largest research projects funded by the National Institute of Justice (NIJ)—the Project on Human Development in Chicago Neighborhoods—produced important understandings about community well-being and the relationship between neighborhoods and crime. The panelists on this plenary session are deeply committed to improved civic life and lower violence. They will discuss the research and its implications for thinking about community capacity and crime. They will also draw on their own experiences to describe how the research affects their diverse and changing communities.

- **Edward Davis**, Police Commissioner, Boston Police Department, Boston, Massachusetts
- **Michael Davis**, Chief of Police, Brooklyn Park Police Department, Brooklyn Park, Minnesota
- **Robert J. Sampson**, Henry Ford II Professor of the Social Sciences, Harvard University, Cambridge, Massachusetts
- **Moderator: John H. Laub**, Director, National Institute of Justice, U.S. Department of Justice, Washington, DC

**10:15 a.m. Break**

**10:30 a.m. Concurrent Sessions**



**Expert Systems, Databases, and Other Software-Based Methods to Improve Use of Forensic DNA Data** Salon A

Applied research and development projects are producing technologies for the faster analysis of DNA. As a result, some laboratories find that a bottleneck has formed in the post-laboratory data analysis stage. Similarly, as forensic scientists adopt new genetic markers, they need to create software and relevant databases to use the data for criminal justice purposes. Advances in the development of forensic software can aid laboratory practitioners in areas of mixture analysis, data review, and statistical analysis. This panel will discuss NIJ-funded projects that use computer science and statistical methods to strengthen the criminal justice system.

- **Barry Duceman**, Director of Biological Science, New York State Police, New York
- **Phillip B. Danielson**, Professor of Molecular Biology, University of Denver, Denver, Colorado
- **Greggory LaBerge**, Director, Denver Police Department, Denver, Colorado
- **Mark Perlin**, Chief Scientific Officer, Cybergenetics, Pittsburgh, Pennsylvania
- **Moderator: Minh Nguyen**, Program Manager, Office of Investigative and Forensic Sciences, National Institute of Justice, U.S. Department of Justice, Washington, DC



## Indigent Defense: Research Needs and Alternative Practices

Salon B

The vast majority of criminal defendants in the United States are too poor to afford a lawyer, yet adequate funding and resources for defense counsel remains an elusive goal. Given these limitations, it is crucial to use research to identify evidence-based practices that guarantee an indigent defendant's constitutional right to due process. Panelists will discuss needed research in the area of indigent defense. Panelists will also provide an overview of the Department's recent convening on International Perspectives on Indigent Defense held in January 2011.

- **Katherine Hunt Federle**, Director, Justice for Children Project, Ohio State University, Columbus, Ohio
- **Thomas Giovanni**, Director, Community Oriented Defender Network, Brennan Center for Justice, New York, New York
- **Brian Ostrom**, Principal Research Consultant, National Center for State Courts, Williamsburg, Virginia
- **Christina Swarns**, Director, Criminal Justice Practice, NAACP—Legal Defense Fund, New York, New York
- **Moderator: Maha Jweied**, Senior Counsel, Access to Justice, U.S. Department of Justice, Washington, DC



## Findings From Victims' Rights Evaluations

Salon C

This panel will highlight findings from two NIJ evaluations examining programs supporting victims' rights. Panelists will discuss results from a process and impact evaluation of the National Crime Victim Law Institute's State and Federal clinics. These findings will focus on the impact the clinics have had on victim rights in their respective jurisdictions. Panelists will also discuss preliminary findings from an evaluation of the Statewide Automated Victim Information and Notification (SAVIN) program as well as next steps to evaluate victims' satisfaction with notification programs across the country.

- **Robert Davis**, Senior Research Analyst, RAND Corporation, Arlington, Virginia
- **Seri Palla Irazola**, Project Manager, ICF International, Fairfax, Virginia
- **Veronica Swain Kunz**, Chief Executive Officer, South Carolina Victim Assistance Network, Columbia, South Carolina
- **Moderator: Bethany Backes**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



## Transnational Organized Crime: Research Informing Practice

Salon D–E

This panel will explore some of the recent efforts of NIJ's International Center to support the response to transnational organized crime through science. Specifically, panelists will present the results of a NIJ-funded study that evaluated the use of unexplained wealth orders overseas. An unexplained wealth order forces a suspected criminal into court to identify the source of wealth that law enforcement suspects is illegitimate. Panelists will also discuss a study that examined how to improve the effectiveness of responses to transnational organized crime through outreach to nongovernmental organizations.

- **Natalie Black**, Master in Public Policy Candidate, Harvard University, Cambridge, Massachusetts
- **Duncan DeVille**, Senior Associate, Booz Allen Hamilton, McLean, Virginia
- **Tim Maurer**, Master in Public Policy Candidate, Harvard University, Cambridge, Massachusetts
- **Jeffrey W. White**, Senior Associate, Booz Allen Hamilton, Washington, DC
- **Moderator: Bruce Ohr**, Chief, Organized Crime and Gangs Section, Criminal Division, U.S. Department of Justice, Washington, DC



## Bone, Bugs and Beyond: The Present and Future of Postmortem Interval (PMI) Estimation Research

Salon F–G

To improve the quality of forensic anthropology as it contributes to death investigation, NIJ invests in research that focuses on protocols for detecting and recovering remains from outdoor settings and estimation of postmortem interval. (PMI). One research project from the University of Maine resulted in the development of environmentally and regionally specific models of human remains detection and decomposition. These have been integrated into a Geographic Information System (GIS) that has helped in two death investigations. Panelists also will discuss projects at the University of Nebraska and Oak Ridge National Laboratory that are evaluating a technique not previously used in forensics.

- **Hassina Bilheux**, Lead Scientist, Oak Ridge National Laboratory, Oak Ridge, Tennessee
- **Scott Bryant**, Senior Evidence Response Team Member, Criminal Investigation Division II, Maine State Police, Augusta, Maine
- **Leon Higley**, Professor, University of Nebraska-Lincoln, Lincoln, Nebraska
- **Marcella Sorg**, Research Associate Professor of Anthropology, Public Policy and Climate Change, Margaret Chase Smith Policy Center, University of Maine, Orono, Maine
- **Moderator: Ryan Tomcik**, Senior Consultant (Contractor), Office of Investigative and Forensic Sciences, National Institute of Justice, Booz Allen Hamilton, Washington, DC



## Human Factors in Latent Print Examination

Salon H

The NIJ-sponsored Expert Working Group on Human Factors in Latent Print Analysis is clarifying potential sources of error in pattern recognition analysis. It will develop best practices to remove or minimize these sources. NIJ is addressing recommendations in the 2009 National Academy of Sciences' report titled "Strengthening Forensic Science in the United States: A Path Forward." Specifically, the panelists will focus on recommendation 5, which encourages research programs on human observer bias and sources of human error in forensic examinations.

- **Deborah Boehm-Davis**, Professor, Psychology Department, George Mason University, Fairfax, Virginia
- **Melissa Gische**, Physical Scientist, Latent Print Operations Unit, Federal Bureau of Investigation Laboratory, Quantico, Virginia
- **Moderator: Melissa Taylor**, Program Manager, Office of Law Enforcement Standards, National Institute of Standards and Technology, Gaithersburg, Maryland



## The National Broadband (Communications) Plan: Issues for Public Safety

Salon J

The Federal Communications Commission delivered the National Broadband Plan in March 2010. As part of the plan, the FCC proposed a strategy for implementing a national public safety broadband network that would allow public safety responders anywhere in the nation to send and receive critical voice, video, and data to save lives, reduce injuries, and prevent acts of crime and terror. How this strategy is implemented will have a significant impact on criminal justice and other public safety agencies nationwide, both with respect to operational capability and to resources. There are competing views of how this plan should be implemented, each with its pros and cons. This panel will illuminate those issues from both sides of the debate.

- **James Barnett**, Rear Admiral (ret.), Chief, Public Safety and Homeland Security Bureau, Federal Communication Commission (invited)
- **Anna Gomez**, Deputy Assistant Secretary for Communications and Information and Deputy Administrator, National Telecommunications and Information Administration (NTIA) (invited)
- **Eddie Reyes**, Deputy Chief of Police, Alexandria (VA) Police Department (invited)
- **Bill Schrier**, Chief Technology Officer, City of Seattle, Seattle, Washington
- **Moderator: Maria Chun**, Deputy Associate Attorney General, U.S. Department of Justice, Washington, DC



## Domestic Violence: What We Know From the Research and the Data

Salon K

The National Institute of Justice and the Bureau of Justice Statistics continue to support data collection and research on domestic violence. These efforts have taken on greater prominence since the passage of the Violence Against Women Act and the several reauthorizations of the Act. This panel will present perspectives on what is currently known about domestic violence from national and the State level data, review highlights from a forthcoming summary of the research on domestic violence compiled for advocates and service providers, and discuss the data and research from the perspective of a national advocacy organization.

- **Shannan Catalano**, Statistician, Bureau of Justice Statistics, U.S. Department of Justice, Washington, DC
- **Andrew Klein**, Senior Research Analyst, Advocates for Human Potential, Inc., Sudbury, Massachusetts
- **Roberta Valente**, General Counsel, National Network to End Domestic Violence, Washington, DC
- **Lisa Walbolt Wagner**, Research Associate, Justice Research and Statistics Association, Washington, DC
- **Moderator: Bernard Auchter**, Senior Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC

12:15 p.m.

## Luncheon and Keynote Address

Arlington Ballroom

- **Lawrence Bobo**, W.E.B. DuBois Professor of the Social Sciences, Harvard University, Cambridge, Massachusetts

2:00 p.m.

## Concurrent Sessions



## The Evolution of Single Nucleotide Polymorphism Research and (Possible) Implementation Into Practice

Salon A

While short tandem repeat typing forms the backbone of current national DNA databases, NIJ has funded research into other DNA markers. Since 1998, NIJ has been funding research exploring single nucleotide polymorphism (SNP) markers for a variety of applications to the criminal justice system. This panel will cover past and present NIJ-funded research projects in SNP markers as well as a DNA Unit Efficiency Improvement project that will validate SNPs for possible use in an operational crime laboratory.

- **Kenneth Kidd**, Professor, Yale University School of Medicine, New Haven, Connecticut
- **Daniele Podini**, Assistant Professor, George Washington University, Washington, DC
- **Robert Valenzuela**, Postdoctoral Research Assistant, Marshfield Clinic Research Foundation, Marshfield, Wisconsin
- **Elisa Wurmbach**, City Research Scientist, Department of Forensic Biology, Office of Chief Medical Examiner, New York, New York
- **Moderator: Mark Nelson**, Senior Program Manager, National Institute of Justice, U.S. Department of Justice, Washington, DC



## Examining the Evidence: CrimeSolutions.gov's Identification of Effective Programs

Salon B

CrimeSolutions.gov contains evidence-based programs encompassing a broad range of criminal justice, juvenile justice, and victims' topics. CrimeSolutions.gov uses a rigorous approach to identify, review, and assess programs based on evaluation and evidence and categorizes them into three levels of effectiveness: effective, promising, and those having no effects. Panelists will discuss the methodological approach to assessing evidence, including the rating and scoring system. They will also discuss the challenges encountered in assessing research evidence.

- **Marcia Cohen**, Vice President, Development Services Group, Research and Evaluation, Bethesda, Maryland
- **Stephen Gies**, Senior Research Analyst, Development Services Group, Bethesda, Maryland
- **Edward Latessa**, Professor and Director, University of Cincinnati, School of Criminal Justice, Cincinnati, Ohio
- **Moderator: Phelan Wyrick**, Senior Policy Advisor, Office of the Assistant Attorney General, Office of Justice Programs, U.S. Department of Justice, Washington, DC



## Transitions From Juvenile Delinquency to Adult Crime

Salon C

In 2008, NIJ funded a study group to explore what is known about criminal offending in the transition between adolescence and young adulthood. The study group has a contract with a publisher to produce a book that will advance knowledge about offending between ages 15 and 29. The panelists will focus on such topics as the continuity and escalation of offending, risk and protective factors, importance of life events, predictions of continued juvenile delinquency, effects of criminal court treatment, development of criminal careers, and effective interventions with older juveniles.

- **David Farrington**, Professor of Psychological Criminology, Institute of Criminology, Cambridge University, Cambridge, United Kingdom
- **Rolf Loeber**, Professor, Department of Psychiatry, University of Pittsburgh, Pittsburgh, Pennsylvania
- **Edward Mulvey**, Professor of Psychiatry, School of Medicine, University of Pittsburgh, Pittsburgh, Pennsylvania
- **Christopher Uggen**, Professor, University of Minnesota, Minneapolis, Minnesota
- **Moderator: Carrie Mulford**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



## When Jigsaw Puzzle Enthusiasts Are Not Enough: NIJ Research Into the Elemental Analysis of Glass

Salon F–G

Trace evidence recovered from crime scenes can provide leads to identifying a suspect and reveal strong associations between the suspect and a crime event. Panelists will discuss research efforts to develop, validate, and use elemental analysis of glass using various analytical methods. The methods have produced information that has led to positive case resolution. Several forensic laboratories now routinely use the developed methods in casework. Researchers and practitioners will speak about the successful transfer from research to practice.

- **Jose Almirall**, Professor, Florida International University, Miami, Florida
- **Robert Koons**, Research Chemist (Retired)
- **Edward Pollock**, Supervising Criminalist, Laboratory of Forensic Services, Sacramento County District Attorney, Sacramento, California
- **Moderator: Brigid O'Brien**, Program Manager, National Institute of Justice, U.S. Department of Justice, Washington, DC



## Findings From the Longitudinal Platform of Policing Research

Salon H

Panelists will discuss recent findings from a national project to better understand the life course of policing. The researchers are collecting standardized longitudinal data on employees and organizations and conducting randomized experiments to test innovative training and operational initiatives. Panelists will discuss recent findings about the careers of police officers and supervisors; the life course of police agencies; and the dynamics that shape an organization's priorities, leadership style, performance, accountability systems, supervisory practices, police culture, street-level policing, and other agency features.

- **Theron Bowman**, Chief of Police, Arlington Police Department, Arlington, Texas
- **Gary Cordner**, Professor, Kutztown University, Department of Criminal Justice, Kutztown, Pennsylvania
- **Dennis Rosenbaum**, Professor of Criminology, Law and Justice, University of Illinois at Chicago, Chicago, Illinois
- **Moderator: Brett Chapman**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



## How Collaboration Between Researchers and Police Chiefs Can Improve the Quality of Sexual Assault Investigations: A Look at Los Angeles

Salon J

Panelists will discuss the application of research findings from an NIJ-sponsored study of sexual assault attrition to police practice in Los Angeles. There are three main focal points: (1) the mutual benefits of researcher/practitioner partnerships, (2) the implications of variation in police interpretation of UCR guidelines specific to clearing sexual assault (with an emphasis on cases involving nonstrangers), and (3) the content of specialized training that must be required for patrol officers and detectives who respond to and investigate sex crimes.

- **Joanne Archambault**, Executive Director, End Violence Against Women, Addy, Washington
- **Robert E. Casey**, Chief, Federal Bureau of Investigation, Clarksburg, West Virginia
- **Michel Moore**, Director, Office of Special Operations, Los Angeles Police Department, Los Angeles, California
- **Cassia Spohn**, Professor, Arizona State University, Phoenix, Arizona
- **Katharine Tellis**, Assistant Professor, California State University, Los Angeles, Los Angeles, California
- **Moderator: Bethany Backes**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



## San Bruno Gas Line Explosion: Translating Research Into Practice

Salon K

In September 2010, a gas line explosion leveled a neighborhood in San Bruno, California. The explosion destroyed 53 homes and damaged more than 120 others. A team of forensic anthropologists from California State University, Chico, processed the scene for human remains recovery. This panel will highlight current research to detect and recover burned human remains and how the protocols under development via NIJ-sponsored research were used during the San Bruno blast scene processing.

- **Dennis Dirkmaat**, Chair, Department of Applied Forensic Sciences; Director, Master's of Forensic and Biological Anthropology Program, Mercyhurst College, Erie, Pennsylvania
- **Elias Kontanis**, Coordinator for Medicolegal Operations, National Transportation Safety Board, Washington, DC
- **Colleen Milligan**, Assistant Professor of Anthropology, California State University, Chico, Chico, California
- **Moderator: Danielle McLeod-Henning**, Program Manager, National Institute of Justice, U.S. Department of Justice, Washington, DC

**3:30 p.m. Break**

**3:45 p.m. Concurrent Sessions**



## Forensic Science Poster Session

Sky View Atrium

Interact with DNA researchers and crime laboratory practitioners who will present recent findings and ongoing projects. The posters will showcase research and development efforts, success stories, techniques for improving laboratory efficiency, and technology solutions to routinely encountered challenges. All researchers and practitioners interested in learning from one another are encouraged to attend. You will have an opportunity to speak with the people who are involved in the work shown in the poster and discuss ways their work might help you with yours. The posters will remain on display throughout the conference.

See the Appendix for a listing of posters and authors.



## Keeping Officers Safe Through Improved Hazards Protection

Salon A

Protecting law enforcement officers from hazards requires various technologies. Protective equipment such as CBRN ensembles is one. Another is providing the means to keep the bomb technician as far away from an improvised explosive device as possible. This panel will discuss NIJ's research efforts in both areas. It will also highlight the collaborative nature of NIJ's program of research in this area. Examples of the equipment will be on display in the exhibit area.

- **Christina Baxter**, Acting Program Manager, Combating Terrorism Technical Support Office
- **Dave Carney**, Team Leader, National Protection Center, U.S. Army Natick Research Development and Engineering Center Development and Engineering Center, Natick, Massachusetts
- **Phil Thompson**, Program Analyst, Combating Terrorism Technical Support Office,
- **James Wilcox**, Business Development Manager, Avon Protection, Belcamp, Maryland
- **Moderator: John Gnagey**, Executive Director, National Tactical Officers Association, Doylestown, Pennsylvania



## Reviewing the Evidence: A Review of Evidence-Based Programs in CrimeSolutions.gov

Salon B

CrimeSolutions.gov researchers review the available research and evaluation evidence on programs to identify "what works." Topics include crime and crime prevention, corrections and reentry, courts, drugs and substance abuse, juveniles, law enforcement, and victims and victimization. The quantity and quality of evaluation research varies significantly across topics. This panel of lead researchers will discuss their findings regarding the status of evidence in these topic areas. They will present implications for policy and practice and identify programs that are candidates for more rigorous future evaluation.

- **Rob Guerette**, Associate Professor, School of Criminal Justice, Florida International University, Miami, Florida
- **Stephen Gies**, Senior Research Analyst, Development Services Group, Bethesda, Maryland
- **Edward Latessa**, Professor and Director, University of Cincinnati, School of Criminal Justice, Cincinnati, Ohio
- **Ed Maguire**, Associate Professor and Chair, Department of Justice, Law and Society, American University, Washington, DC
- **Carol Petrie**, Senior Research Analyst, Development Services Group, Bethesda, Maryland
- **Moderator: Brecht Donoghue**, Policy Advisor, Office of the Assistant Attorney General, Office of Justice Programs, Washington, DC



## Human Trafficking: Improving the Knowledge Base and Supporting New Researchers

Salon C

Human trafficking—both for sex and for labor—is a critical area of criminal justice about which far too little is known. Due to its covert nature, most of the data available is incomplete and unreliable. The impact of programs and policies remains virtually unknown. Research and evaluation to enhance knowledge in this area is critical. This panel will describe the work of early-career researchers in human trafficking, as well as offering the perspective of an experienced human trafficking researcher. Dr. Peters' research demonstrates the consequences of the Trafficking Victims Protection Act (TVPA) of 2000 for trafficked women and the non-governmental organizations providing services to them. Dr. Judge will discuss her efforts to characterize Federal trafficking cases and identify factors associated with trafficking demand. Dr. Albanese will address the issues and methods involved in conducting systematic assessments of human trafficking and offer his perspective on mentoring others in human trafficking research.

- **Jay Albanese**, Professor, Virginia Commonwealth University, Richmond, Virginia
- **Shana Judge**, Doctoral Candidate, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina
- **Alicia Peters**, Assistant Professor of Anthropology, Department of Sociology, University of New England, Biddeford, Maine
- **Moderator: Karen Stern**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



### Ensuring That the Equipment Used by Practitioners Is Safe and Effective

Salon D–E

NIJ develops and publishes equipment standards to ensure that the equipment used by criminal justice practitioners is safe, reliable, and performs according to established minimum requirements. A standard provides performance information and allows comparison of products based on standardized testing methods and minimum performance requirements. This panel will discuss current NIJ standards development efforts and the recently published CBRN Protective Ensemble and Bomb Suit Standards. The panelists are law enforcement practitioners who participated in writing these standards.

- **Michael Blanton**, Traffic Section Commander, Lexington Division of Police, Lexington, Kentucky
- **Ian Hamilton**, Project Manager, International Association of Chiefs of Police, Alexandria, Virginia
- **Thomas Sharkey**, Bomb Squad Commander, Metro Transit Police Department, Stafford, Virginia
- **Moderator: Casandra Robinson**, Program Manager, Savannah River National Laboratory, Savannah, Georgia



### Untested Sexual Assault Kit Evidence: Understanding the Problem

Salon F–G

This panel will explore issues about untested sexual assault evidence and what NIJ is doing to develop solutions through research. Panelists will discuss NIJ's new sexual assault kit (SAK) action research project and outline issues related to sexual assault evidence backlogs, both in law enforcement agencies and in crime labs. The grantees who recently received competitive awards under the new SAK action research project will explain how they and their team of practitioners and researchers will tackle the problem.

- **Rebecca Campbell**, Professor, Michigan State University, East Lansing, Michigan
- **Mark Nelson**, Senior Program Manager, National Institute of Justice, U.S. Department of Justice, Washington, DC
- **Irma Rios**, Crime Lab Director, Houston Police Department, Houston, Texas
- **Moderator: Kristina Rose**, Deputy Director, National Institute of Justice, U.S. Department of Justice, Washington, DC



### The Evaluation of NIJ by the National Research Council of the National Academy of Sciences: NIJ's Response

Salon J

The National Academies conducted a comprehensive evaluation of the National Institute of Justice. This panel provides an overview of the evaluation and NIJ's response to it. NIJ has accepted many of the recommendations in the NRC report, and you will learn what the agency is doing to implement them. A few of the recommendations were challenging and created considerable debate within NIJ. Plans to address these thorny issues will also be discussed.

- **Daniel Nagin**, Professor of Public Policy and Statistics, Teresa and H. John Heinz III University, Carnegie Mellon University, Pittsburgh, Pennsylvania
- **John H. Laub**, Director, National Institute of Justice, U.S. Department of Justice, Washington, DC
- **Moderator: Thomas Feucht**, Executive Senior Science Advisor, National Institute of Justice, U.S. Department of Justice, Washington, DC





## Teaching Rounds in Police Departments: Adapting a Medical Model for 21st Century Police Leadership

Salon K

The Teaching Police Department Initiative (TPDI), funded through the COPS office, is designed to evaluate and identify elements of the medical education model and selectively apply them to training police leadership. Led by the Justice System Training and Research Institute (JSTRI) at Roger Williams University partnering with the Providence (Rhode Island) Police Department, training in TDPI principles will initially be piloted to 20 “fellows” at the Providence Police Department and later expanded across the country. Each of three waves of the curriculum will be subject to rigorous evaluation using participant assessments and structured focus groups comprised of curriculum design experts and prominent law enforcement executives. TPDI strives to translate research to practice and establish a transformative model supporting police departments that encourage values-driven, evidence-based decision making, rather than what is traditionally applied policing.

- **Dean Esserman**, Chief of Police, Providence Police Department, Providence, Rhode Island
- **Bernard K. Melekian**, Director, Office of Community Oriented Policing Services, U.S. Department of Justice, Washington, DC
- **Robert McKenna**, Co-Director, Teaching Police Department Initiative and Assistant Dean, Roger Williams University, School of Justice Studies, Bristol, Rhode Island
- **Joan L. Sweeney**, Co-Director, Teaching Police Department Initiative, Roger Williams University School of Justice Studies, Bristol, Rhode Island
- **Moderator: John Markovic**, Senior Social Science Analyst, COPS, U.S. Department of Justice, Washington, DC

**5:15 p.m. Adjourn**

## Panel Tracks

Shaping  
the Future



Corrections



Courts



Forensic Policy



Forensic Technical



Policing and  
Public Safety



Violence and  
Victimization



# Tuesday

JUNE 21

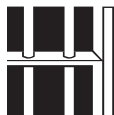
8:30 a.m.	General Science Poster Session—Continental Breakfast	Salon C–H
10:15 a.m.	Break	
10:30 a.m.	Plenary Panel 10-Year Anniversary of 9/11: Advances in Science From Tragedy	Arlington Ballroom
12:00 p.m.	Lunch (on your own)	
1:15 p.m.	<b>Concurrent Sessions</b>	
	■ The Transition of Microfluidic and Miniaturization Research and Development Into Practice (and Lessons Learned Along the Way)	Salon A
	■ Strengthening Tribal Judiciaries: Research Needs and Innovative Practices	Salon B
	■ Preventing Violence: Results From Three Early Childhood Experiments	Salon C
	■ Research and Practices Applied to and Born From the World Trade Center Tragedy	Salon D–E
	■ Informing Policy and Practice Through Interagency Collaboration: Criminal Justice and Public Health Target Prevention of Gang-Joining	Salon F–G
	■ What Are Directed Energy Devices and Are They a Safe Alternative?	Salon H
	■ Making Community Supervision Safer Through Electronic Monitoring	Salon J
	■ Ignitable Liquids Reference Collection: Boosting the Mileage of NIJ Research	Salon K
2:45 p.m.	Break	
3:00 p.m.	<b>Concurrent Sessions</b>	
	■ The NIJ's Proposed Move to Standing Panel Peer Review	Salon A
	■ Pretrial Research and Practice	Salon B
	■ Teen Dating Violence Prevention Programs: Evaluations From the Field	Salon C
	■ Knowing Who You Are Dealing With: The Science of Biometrics for Criminal Justice	Salon D–E
	■ NIJ Efforts to Advance Forensic Death Investigation	Salon F–G
	■ How Safe Are Conducted Energy Devices (CEDs) Really?	Salon H
	■ State Responses to Mass Incarceration	Salon J
	■ The Effects of Y-STR Research on Practice and Policy	Salon K
4:30 p.m.	Adjourn	

## Panel Tracks

Shaping  
the Future



Corrections



Courts



Forensic Policy



Forensic Technical



Policing and  
Public Safety



Violence and  
Victimization



**8:30 a.m. General Science Poster Session—Continental Breakfast**

Salon C

Enjoy breakfast and mingle with colleagues as you discuss the contents of more than 25 posters on a wide range of physical and social sciences. A special section will be devoted to learning more about NIJ and its divisions and activities. This breakfast poster session is an opportunity to view research in progress, nurture partnerships, and give feedback to one another.

The posters will be removed after the breakfast.

See the Appendix for a listing of posters and authors.

**10:15 a.m. Break****10:30 a.m. Plenary Panel**

Arlington Ballroom

**10-Year Anniversary of 9/11: Advances in Science From Tragedy**

The tragedy of 9/11 posed unprecedented challenges to forensic science, social science, and physical science and technology—the three bedrock sciences at NIJ. Recovering from the attack and preventing another one have become topmost priorities in the 10 years since the attack. As we approach the 10th anniversary, the panelists will discuss how that fateful day impacted scientific priorities and the outcomes from those changes. In forensics, scientific inquiry helped answer critical questions about identifying human remains. The number of victims, the condition of their remains, and the duration of the recovery effort made the identification of victims the most difficult undertaking by the forensic community in this country. Responsibility for preventing another attack has fallen in large part to the social sciences and to science and technology. Law enforcement, for example, is primarily responsible for awareness of and investigation into pre-terrorist behavior. Science and technology have focused on intelligence gathering, sharing, and analysis.

- **Gary LaFree**, Director, National Consortium for the Study of Terrorism and Response to Terrorism, University of Maryland, College Park, Maryland
- **Jay Nunamaker**, Director and Principal Investigator, Center for the Management of Information, National Center for Border Security and Immigration, Tuscon, Arizona
- **Robert Shaler**, Professor, Biochemistry and Molecular Biology, Pennsylvania State University (ret.), Flemington, New Jersey
- **Moderator: John H. Laub**, Director, National Institute of Justice, U.S. Department of Justice, Washington, DC

**12:00 p.m. Lunch (on your own)**

1:15 p.m. **Concurrent Sessions**
**The Transition of Microfluidic and Miniaturization Research and Development Into Practice (and Lessons Learned Along the Way)**

Salon A

This panel will present past and current research about miniaturization for rapid DNA analysis and current research that is working toward development of a fully integrated portable DNA analysis device. One panelist, from a public forensic DNA laboratory that delayed transition from commonly used slab gel-based electrophoresis to the capillary electrophoresis, will discuss attempts to implement microfluidic devices too early and the lessons learned from that experience.

- **Joan Bienvenue**, Chief Scientist and Program Manager, Lockheed Martin, Fredericksburg, Virginia
- **Susan Greenspoon**, Forensic Molecular Biologist, Virginia Department of Forensic Science, Richmond, Virginia
- **Richard Mathies**, Dean and G.N. Lewis Professor of Chemistry, University of California at Berkeley, Berkeley, California
- **Eugene Tan**, Vice President of Product Development, Network Biosystems, Woburn, Massachusetts
- **Moderator: Minh Nguyen**, Program Manager, Office of Investigative and Forensic Sciences, National Institute of Justice, U.S. Department of Justice, Washington, DC
- **Moderator: Mark Greene**, Biometrics Program Manager, National Institute of Justice, U.S. Department of Justice, Washington, DC


**Strengthening Tribal Judiciaries: Research Needs and Innovative Practices**

Salon B

Tribal justice in Indian Country faces vast hurdles that are very different from justice issues generally in the United States. This panel will discuss ways to strengthen tribal judiciaries, allowing for fair, impartial, and independent adjudication, including improving the availability and quality of defense and increasing Federal prosecutorial presence in Indian Country. The panel will also discuss the relevant provisions of the Tribal Law and Order Act, which may provide better data collection, research, and improved services.

- **Troy Eid**, Shareholder, Greenberg Taurig, LLP, Denver, Colorado
- **John Harte**, Partner, Mapetsi Policy Group, Washington, DC
- **Elizabeth Kronk**, Chief Judge and Assistant Professor, Ste. Marie Tribe of Chippewa Indians Appellate Court in Michigan and University of Montana School of Law
- **Ron Whitener**, Director, Tribal Court Criminal Defense Clinic, University of Washington, Seattle, Washington
- **Moderator: Daniel Olmos**, Senior Counsel, Access to Justice, U.S. Department of Justice, Washington, DC


**Preventing Violence: Results From Three Early Childhood Experiments**

Salon C

This panel will present and discuss results from research evaluating programs to prevent violence. The panelists will describe findings from three longitudinal, randomized experiments involving young children, parents and teachers. The studies are: Healthy Families New York, which is a home visitation program; Safe Children, which involved tutoring for kindergarten children along with parenting support sessions; and Tribes, which implemented cooperative classrooms in K-3rd grades.

- **Patrick Clark**, Social Science Specialist, National Institute of Justice, U.S. Department of Justice, Washington, DC
- **Kimberly DuMont**, Senior Research Scientist, New York State Office of Children and Family Services Rensselaer, New York
- **Thomas Hanson**, Senior Research Associate, WestEd, Los Alamitos, California
- **Patrick Tolan**, Director, Youth-Nex, Curry School of Education University of Virginia, Charlottesville, Virginia
- **Moderator: Carrie Mulford**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



## Research and Practices Applied to and Born From the World Trade Center Tragedy

Salon D–E

On September 11, 2001, 2,752 people were killed in terrorist attacks on the World Trade Center in New York. The number of victims, the condition of their remains, and the duration of the recovery effort made identifying the victims challenging. The panel will discuss NIJ research that aided in the DNA identification of the WTC victims. We will also describe the current NIJ-funded forensic anthropological identification efforts at the New York City Office of the Chief Medical Examiner and NIJ's past and present efforts on mass fatality management.

- **Bradley Adams**, Director of Forensic Anthropology, New York City Office of the Chief Medical Examiner, New York, New York
- **Barbara Butcher**, Chief of Staff, New York City Office of Chief Medical Examiner, New York City, New York
- **Elias Kontanis**, Coordinator for Medicolegal Operations, National Transportation Safety Board, Washington, DC
- **Moderator: John Butler**, Group Leader of Applied Genetics, National Institute of Standards and Technology, Gaithersburg, Maryland



## Informing Policy and Practice Through Interagency Collaboration: Criminal Justice and Public Health Target Prevention of Gang-Joining

Salon F–G

NIJ and the Centers for Disease Control and Prevention are joining forces to learn how to attack the root of the gang problem: preventing kids from joining in the first place. This panel will highlight interdisciplinary partnerships that bring public health and law enforcement together. Panelists will discuss ways researchers can inform policymakers and practitioners about the principles behind gang prevention strategies.

- **Mario Maciel**, Superintendent, Parks, Recreation and Neighborhood Services, City of San Jose, San Jose, California
- **Tom Simon**, Acting Associate Director for Science, The Centers for Disease Control's Division of Violence Prevention, National Center for Injury Prevention and Control, Atlanta, Georgia
- **Phelan Wyrick**, Senior Policy Advisor, Office of the Assistant Attorney General, Office of Justice Programs, U.S. Department of Justice, Washington, DC
- **Moderator: Nancy Ritter**, Office of Communications, National Institute of Justice, U.S. Department of Justice, Washington, DC



## What Are Directed Energy Devices and Are They a Safe Alternative?

Salon H

Research has shown that three out of 1,000 individuals exposed to conducted energy devices, such as the TASER, may experience a serious injury or death. By way of comparison, rubber or plastic bullets—depending on the kind of round used—may pose as much as a 20-times-greater chance of causing serious injury or death. Directed energy devices, sometimes called "heat rays," may produce fewer injuries. Tests suggest a less than 1 in 1,000 probability of serious injury with no deaths reported. This panel will discuss the potential risks associated with such devices and the design engineering steps that have been taken to mitigate the risks.

- **Juergen Altmann**, Senior Researcher, Technische Universität Dortmund, Dortmund, Germany
- **Cynthia Bir**, Professor, Department of Biomedical Engineering, Wayne State University, Detroit, Michigan
- **Robert Johnson**, Professor of Justice, Law and Society, American University, Washington, DC
- **Marvin Ziskin**, Professor of Radiology and Medical Physics, Center for Biomedical Physics, Temple University Medical School, Philadelphia, Pennsylvania
- **Moderator: Joe Cecconi**, Program Manager, U.S. Department of Justice, Washington, DC
- **Moderator: Bob Osborne**, Commander, Los Angeles County Sheriff's Department, Monterey Park, California



## Making Community Supervision Safer Through Electronic Monitoring

Salon J

Community supervision offers the potential to provide improved outcomes at less cost than the traditional institutional-based correctional model. One major concern with community supervision is safety. Another is ensuring that the systems used to monitor offenders in the community are as robust as possible. NIJ is evaluating existing electronic monitoring systems; development of performance standards for such systems; and, beginning in 2011, development of improved technologies. Panelists will explore the technology challenges associated with monitoring offenders in the community, existing systems, and performance standards.

- **Bill Bales**, Associate Professor, The Florida State University, College of Criminology and Criminal Justice, Tallahassee, Florida
- **George Drake**, Community Corrections Program Manager, Corrections Technology Center of Excellence, Denver, Colorado
- **May Yuan**, Director for Spatial Analysis, University of Oklahoma, Norman, Oklahoma
- **Moderator: Jack Harne**, Physical Scientist, Correction Portfolio Manager, National Institute of Justice, U.S. Department of Justice, Washington, DC



## Ignitable Liquids Reference Collection: Boosting the Mileage of NIJ Research

Salon K

The National Center for Forensic Science has developed the Ignitable Liquids Reference Collection and Database. This database contains GC-MS data for commercially available ignitable liquids commonly found in fire debris. The data is being tested and evaluated by three labs throughout the United States using casework evidence. This panel will give both the research and practitioner perspective in developing and using this tool, and will address how crime labs can overcome obstacles by using the tool. The panel will also highlight recent research focused on the forensic analysis of ignitable liquids.

- **Raymond Kuk**, Supervisory Chemist, The Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF), Beltsville, Maryland
- **Christopher Mealy**, Engineer, Hughes Associates, Inc., Baltimore, Maryland
- **Reta Newman**, Director, Pinellas County Forensic Laboratory, Largo, Florida
- **Michael Sigman**, Associate Professor, National Center for Forensic Science, University of Central Florida, Orlando, Florida
- **Moderator: Regina Knight**, Senior Forensic Scientist (Contractor), Office of Investigative and Forensic Sciences, National Institute of Justice, U.S. Department of Justice, Washington, DC

2:45 p.m. **Break**

3:00 p.m. **Concurrent Sessions**



## The NIJ's Proposed Move to Standing Panel Peer Review

Salon A

The National Institute of Justice is planning to pilot a new peer review process using standing panels. This session will introduce the general concept of an NIJ peer review panel and note the National Institutes of Health model as an exemplar for standing peer review panels. After brief introductory remarks explaining the proposed model, the session will open to a question-and-answer period.

- **Kevin Conway**, Deputy Director, Division of Epidemiology, Services and Prevention Research, National Institute on Drug Abuse, Bethesda, Maryland
- **John H. Laub**, Director, National Institute of Justice, U.S. Department of Justice, Washington, DC
- **Phyllis Newton**, Director, Office of Research and Evaluation, National Institute of Justice, U.S. Department of Justice, Washington, DC
- **Moderator: Thomas Feucht**, Executive Senior Science Advisor, National Institute of Justice, U.S. Department of Justice, Washington, DC





## Pretrial Research and Practice

Salon B

What policies and practices address public safety, equal access to justice, and budgetary concerns at the pretrial phase? NIJ's field experiment on notification options demonstrates increased court appearances among adult misdemeanor defendants. The Juvenile Detention Alternatives Initiative, funded by the Annie E. Casey Foundation, safely increases community-based alternatives. A cross-site evaluation of the Substance Abuse and Mental Health Services Administration's Jail Diversion and Trauma Recovery Program suggests preliminary outcomes among diverted veterans, in particular, Operation Enduring Freedom/Operation Iraqi Freedom, with post-traumatic stress and other mental health problems.

- **Brian Bornstein**, Professor, University of Nebraska-Lincoln, Department of Psychology, Lincoln, Nebraska
- **Christopher Hartney**, Senior Researcher, National Council on Crime and Delinquency, Oakland, California
- **Kristin Stainbrook**, Assistant Director of Research, Advocates for Human Potential, Albany, New York
- **Moderator: Linda Truitt**, Senior Social Science Analyst, Justice Systems Research Division, U.S. Department of Justice, Washington, DC



## Teen Dating Violence Prevention Programs: Evaluations From the Field

Salon C

This panel will provide outcome evaluation data from two NIJ-funded randomized controlled trials designed to prevent teen dating abuse. The first presentation will focus on 6-month follow-up data on changes in knowledge, attitudes, and behaviors of middle school students who received a dating violence and sexual harassment prevention program in New York City middle schools compared with control students. The second presentation will focus on a pilot study of Moms for Safe Dates, a preventive intervention targeting moms who are victims of intimate partner violence and their adolescent children. The Center for Disease Control (CDC) is providing funding for a full efficacy trial of the intervention.

- **Vangie Foshee**, Professor, University of North Carolina, Chapel Hill, North Carolina
- **Sally Schaefer**, Senior Public Policy Advocate, Futures Without Violence, formerly Family Violence Prevention Fund, Washington, DC
- **Bruce Taylor**, Principal Research Scientist, NORC at the University of Chicago, Bethesda, Maryland
- **Moderator: Dara Blachman-Demner**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



## Knowing Who You Are Dealing With: The Science of Biometrics for Criminal Justice

Salon D–E

Confirming a person's identity under all circumstances in a timely manner is crucial to ensuring an officer's safety. This panel will feature expert researchers who are developing innovative solutions to address that need.

- **Patrick Flynn**, Professor, Computer Science and Engineering, University of Notre Dame, Notre Dame, Indiana
- **Sam Mil'shtein**, Professor, University of Massachusetts, Lowell, Lowell, Massachusetts
- **Greg Steintal**, Founder and President, StereoVision Imaging, Altadena, California
- **Moderator: Mark Greene**, Biometrics Program Manager, National Institute of Justice, U.S. Department of Justice, Washington, DC



## NIJ Efforts to Advance Forensic Death Investigation

Salon F–G

In June 2010, NIJ hosted the Forensic Death Investigation Symposium, which brought together members of the medico-legal death investigation community to discuss the field's current and future needs. Many of these needs were highlighted in the National Academy of Sciences' 2009 report titled "Strengthening Forensic Science in the United States: A Path Forward." During the past year, NIJ has sponsored several programs in response to both the NAS report and the Symposium. This panel will highlight the efforts that NIJ has made on research, training, and standards development within the forensic death investigation community.

- **Barbara Butcher**, Chief of Staff, New York City Office of Chief Medical Examiner, New York, New York
- **Randy Hanzlick**, Chief Medical Examiner, Fulton County Medical Examiner, Atlanta, Georgia
- **Kurt Nolte**, Assistant Chief Medical Investigator, New Mexico Office of the Medical Examiner, Albuquerque, New Mexico
- **Moderator: Henry Maynard**, Forensic Analyst (Contractor), Office of Investigative and Forensic Sciences, National Institute of Justice, U.S. Department of Justice, Washington, DC



## How Safe Are Conducted Energy Devices (CED) Really?

Salon H

While exposure to CEDs, commonly referred to as Tasers, is not risk-free, there is no conclusive medical evidence that indicates a high risk of serious injury or death from the direct effects of CEDs. The NIJ Medical Steering Group studying the effects of CEDs has determined that exposure is safe in the vast majority of cases. Therefore, law enforcement agencies need not refrain from deploying CEDs, provided the devices are used in accordance with accepted guidelines. However, some communities are reviewing their policies and deployment of CEDs, and the Braidwood Inquiry in Canada provided 19 recommendations regarding the use and potential hazard of the devices. This panel will discuss findings and recommendations from the NIJ In-Custody Death study on the effects of CEDs, PERF's updated policy review on CEDs, and the Braidwood Inquiry.

- **Thomas Braidwood**, Judge, Court of Appeal of British Columbia, Canada, West Vancouver, British Columbia
- **John Hunsaker**, Associate Chief Medical Examiner, Kentucky Justice and Public Safety Cabinet, Frankfort, Kentucky
- **Gerry Murphy**, Director of Development, Police Executive Research Forum, Washington, DC
- **Moderator: Joe Cecconi**, Program Manager, U.S. Department of Justice, Washington, DC
- **Moderator: Brett Chapman**, Social Scientist, U.S. Department of Justice, Washington, DC



## State Responses to Mass Incarceration

Salon J

Researchers have devoted considerable attention to mass incarceration, specifically its magnitude, costs, and collateral consequences. In the face of economic constraints, strategies to reduce correctional populations while maintaining public safety are becoming a fiscal necessity. This panel will present strategies that states have undertaken to reduce incarceration rates while balancing taxpayer costs with ensuring public safety.

- **Jake Horowitz**, Manager of the Public Safety Performance Project, The Pew Charitable Trusts, Washington, DC
- **Marc Levin**, Director of the Center for Effective Justice, Texas Public Policy Foundation, Austin, Texas
- **Ed Rhine**, Deputy Director, Ohio Department of Rehabilitation and Correction, Columbus, Ohio
- **Moderator: Nadine Frederique**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



## The Effects of Y-STR Research on Practice and Policy

Salon K

Y chromosome short tandem repeat (Y-STR) testing enables the analysis of the male-specific DNA portion of evidence. This can be especially important when small amounts of male DNA are recovered in the presence of excess female DNA, such as in sexual assault evidence. Y-STR testing can also benefit missing persons' investigations, and research may extend the post-coital evidence collection interval. Using Y-STR markers to reduce uncertainty in kinship analysis has influenced State policies governing "familial searching" of public DNA databases. This panel will present research on Y-STR methods, how they are used, how advances in Y-STR methods may influence policy and possible future uses.

- **Jack Ballantyne**, Associate Director (Research), National Center for Forensic Science, Orlando, Florida
- **John Butler**, Group Leader of Applied Genetics, National Institute of Standards and Technology, Gaithersburg, Maryland
- **Michael Hammer**, Director, University of Arizona Genetics Core, Tucson, Arizona
- **Brian Hoey**, DNA Technical Leader, Missouri State Highway Patrol, Jefferson City, Missouri
- **Moderator: Chad Ernst**, Senior Scientist (Contractor), Office of Investigative and Forensic Sciences, National Institute of Justice, Booz Allen Hamilton, Washington, DC

4:30 p.m. **Adjourn**

AT A GLANCE

# Wednesday

JUNE 22

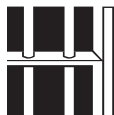
- 8:30 a.m. **Plenary Panel**  
Translating Science: A Town Hall on the Challenges Arlington Ballroom
- 10:00 a.m. **Break**
- 10:15 a.m. **Concurrent Sessions**
- Hot Spots, Gangs, and Truancy Salon A
  - Effectiveness of Preventing Sex Offender Recidivism Salon B
  - Traffic Fatalities: A Leading Cause of Officer Line-of-Duty Deaths—Keeping Officers Safe on the Road Salon C
  - NIJ Body Armor: The Next Generation Salon D–E
  - Effects of Real Time Quantitative PCR Research on State and Local Forensic DNA Laboratories Salon F–G
  - Are Day Reporting Centers Evidence Based? Salon H
- 11:45 a.m. **Break**
- 12:00 p.m. **Luncheon and Keynote Address** Arlington Ballroom
- The Honorable Eric H. Holder, Jr., Attorney General
  - The Honorable Laurie O. Robinson, Assistant Attorney General, Office of Justice Programs
- 1:45 p.m. **Concurrent Sessions**
- Social Science Research on Forensic Science Salon A
  - Nonmedical Prescription Drug Use and Market Intervention Salon B
  - Familial DNA Searching: Issues and Answers Salon K
- 3:15 p.m. **Adjourn**

## Panel Tracks

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Public Safety



Violence and  
Victimization



8:30 a.m.

**Plenary Panel**

Arlington Ballroom

**Translating Science: A Town Hall on the Challenges**

The leaders of Federal science agencies want their scientific discoveries to shape policy and practice. How do they achieve that? How can scientific discoveries be made more useful to policymakers and practitioners? What are the obstacles to translating science to the field? Bring your questions to the panelists and contribute your thoughts about how to create and apply knowledge that melds basic and applied research. This plenary gives panelists and audience members the chance to talk about the opportunities and challenges in bringing science to the field.

- **David Chambers**, Associate Director for Dissemination and Implementation Research, National Institute of Mental Health, U.S. Department of Health and Human Services, Bethesda, Maryland
- **Patrick Gallagher**, Director, National Institute of Standards and Technology, U.S. Department of Commerce, Gaithersburg, Maryland
- **Linda Mellgren**, Senior Social Science Analyst, Office of the Assistant Secretary for Planning and Evaluation, U.S. Department of Health and Human Services, Washington, DC
- **John Easton**, Director, Institute of Education Sciences, U.S. Department of Education, Washington, DC
- **Moderator: John H. Laub**, Director, National Institute of Justice, U.S. Department of Justice, Washington, DC

10:00 a.m.

**Break**

10:15 a.m.

**Concurrent Sessions****Hot Spots, Gangs, and Truancy**

Salon A

This panel will discuss research that investigates the effect of data quality on predictive hot spot mapping. Panelists will describe the application of hot spots policing to gang-related crime and the use of truancy data combined with robbery hot spots to solve robbery problems.

- **Hassan Aden**, Deputy Chief, Alexandria Police Department, Alexandria, Virginia
- **Timothy C. Hart**, Assistant Professor, University of Nevada, Las Vegas, Las Vegas, Nevada
- **Rachel Johnston**, Director of Research and Development, Chicago Police Department, Chicago, Illinois
- **Moderator: Joel Hunt**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



## Effectiveness of Preventing Sex Offender Recidivism

Salon B

During the past 2 decades, many laws have been enacted by State and Federal legislatures in an effort to prevent sexual violence. Among the many legal policies that specifically target sex offending, the most prominent pertain to sex offender notification and registration. The original aim of registration laws was to provide law enforcement with a database of information to help monitor known sex offenders and to aid in the investigation of new allegations. The intent of public notification is to arm citizens with information to protect themselves and their children from sexual predators. Have these legislative efforts been effective?

- **Alisa Klein**, Public Policy Consultant, Association for the Treatment of Sexual Abusers, Beaverton, Oregon
- **Elizabeth J. Letourneau**, Associate Professor, Medical University of South Carolina, Department of Psychiatry and Behavioral Sciences, Charleston, South Carolina
- **Kristen Zgoba**, Supervisor of Research and Evaluation, New Jersey Department of Corrections, Trenton, New Jersey
- **Moderator: Karen JoAnne Bachar**, Juvenile Justice Program Specialist, Office of Juvenile Justice and Delinquency Prevention, U.S. Department of Justice, Washington, DC



## Traffic Fatalities: A Leading Cause of Officer Line-of-Duty Deaths— Keeping Officers Safe on the Road

Salon C

Officers are killed or injured on the road every day. Vehicular accidents are the second largest cause of line-of-duty deaths for law enforcement officers (behind felonious assault). A lesser number of line-of-duty deaths result from officers being accidentally struck by vehicles. Combined, these traffic fatalities are the largest source of line-of-duty deaths of law enforcement officers in the United States. This panel will present the findings of relevant research on the causes and nature of these accidents as well as some of the ongoing research intended to address these causes. Panelists will discuss studies from the National Law Enforcement Officer Memorial Fund and the National Highway Traffic Safety Administration, and research on improved lighting and marking schemes for patrol vehicles. The panel will also cover how duty-related driving distractions might be eliminated.

- **James Bean**, Crash Investigation Specialist, National Highway Traffic Safety Administration, U.S. Department of Transportation, Washington, DC
- **John Shanks**, Director, Law Enforcement Relations, National Law Enforcement Officers Memorial Fund, Washington, DC
- **Bill Troup**, Fire Program Specialist, United States Fire Administration National Fire Data Center, Emmitsburg, Maryland
- **Carrick Williams**, Assistant professor, Mississippi State University, Mississippi State, Mississippi
- **Moderator: Brian Montgomery**, Physical Scientist, National Institute of Justice, U.S. Department of Justice, Washington, DC



## NIJ Body Armor: The Next Generation

Salon D–E

Soft body armor is in widespread use with law enforcement agencies in the United States. Since its introduction into service more than 30 years ago as the result of a collaborative research effort between NIJ and the U.S. Army Research Laboratory, more than 3,000 officers' lives have been saved because they were wearing body armor. NIJ research to improve body armor continues. This panel will present an overview of that research, which delves into uncharted territory exploring new materials, ergonomics, and environmental factors that could affect future construction, wear, and performance of soft body armor.

- **Kari Babski-Reeves**, Associate Professor, Mississippi State University, Mississippi State, Mississippi
- **Daniel Carruth**, Assistant Research Professor, Mississippi State University, Mississippi State, Mississippi
- **Bruce Kubu**, Senior Research Associate, Police Executive Research Forum, Washington, DC
- **Stuart Leigh Phoenix**, Professor, Mechanical and Aerospace Engineer, Cornell University, Ithaca, New York
- **Eric Wetzel**, Team Leader, Multifunctional Materials, U.S. Army Research Laboratory, Joppa, Maryland
- **Moderator: Robert Kinsler**, Physical Scientist, U.S. Army Research Laboratory, Joppa, Maryland
- **Moderator: Debra Stoe**, Program Manager, National Institute of Justice, U.S. Department of Justice, Washington, DC



## Effects of Real-Time Quantitative PCR Research on State and Local Forensic DNA Laboratories

Salon F–G

Knowledge of the true DNA quantity of a sample is critical in determining the amount of DNA template needed to produce a viable DNA profile, the type of DNA analyses method that should be used, and the best method for data interpretation. A National Institute of Standards and Technology study found that quantitative PCR methods more consistently provide quantitative results than do the more commonly used blot methods. This finding has led to the widespread use of real time quantitative PCR methods. Panelists will discuss early research, current use of PCR techniques, and research that may lead to future use of real-time PCR data as a diagnostic tool.

- **Eric Buel**, Director, Vermont Forensic Laboratory, Department of Public Safety, Waterbury, Vermont
- **Kristen Fripp**, Assistant Laboratory Manager, Division of Forensic Sciences, Coastal Regional Crime Laboratory, Georgia Bureau of Investigation, Savannah, Georgia
- **Margaret Kline**, Research Biologist, National Institute of Standards and Technology, Gaithersburg, Maryland
- **Bruce McCord**, Professor of Chemistry, Chemistry and Biochemistry Department, Florida International University, Miami, Florida
- **Katey Nori**, Criminalist IV, New York City Office of Chief Medical Examiner, New York, New York
- **Moderator: Regina Knight**, Senior Forensic Scientist (Contractor), Office of Investigative and Forensic Sciences, National Institute of Justice, U.S. Department of Justice, Washington, DC



## Are Day Reporting Centers Evidence Based?

Salon H

Adult Day Reporting Centers (DRCs) are a British import to the United States. In the 25 years since their arrival, DRCs have flourished as an alternative to incarceration. Are DRCs an evidence-based practice and are they cost-effective? There is limited research on their efficacy, but this panel will present findings from a study, employing random assignment, of five New Jersey DRCs that will contribute to greater understanding of the efficacy of DRCs. Only one prior study of DRCs examined their effectiveness with parolees and none involved random assignment.

- **Douglas Boyle**, Senior Research Administrator, University of Medicine and Dentistry of New Jersey, Newark, New Jersey
- **John J. Larivee**, Chief Executive Officer, Community Resources for Justice, Boston, Massachusetts
- **Carl Wicklund**, Executive Director, American Probation and Parole Association, Lexington, Kentucky
- **Moderator: Marilyn C. Moses**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC

11:45 a.m. **Break**

12:00 p.m. **Luncheon and Keynote Address**

Arlington Ballroom

- **The Honorable Eric H. Holder, Jr.**, Attorney General
- **The Honorable Laurie O. Robinson**, Assistant Attorney General, Office of Justice Programs

1:45 p.m. **Concurrent Sessions**



## Social Science Research on Forensic Science

Salon A

This panel will cover recent findings from NIJ's portfolio of social science research on forensics. Topics will include policies related to putting DNA samples of juveniles into databases, untested sexual assault kits in Los Angeles, and evaluating post-conviction DNA testing in Virginia.

- **Allison M. Dwyer**, Research Associate II, Justice Policy Center, The Urban Institute, Washington, DC
- **David Hayeslip**, Senior Research Associate, The Urban Institute, Washington, DC
- **Joseph Peterson**, Professor and Director of the School of Criminal Justice, California State University, Los Angeles, Los Angeles, California
- **John Roman**, Fellow, The Justice Policy Center, The Urban Institute, Washington, DC
- **Moderator: Katharine Browning**, Senior Social Science Analyst, Office of Research and Evaluation, National Institute of Justice, U.S. Department of Justice, Washington, DC



## Nonmedical Prescription Drug Use and Market Intervention

Salon B

In June 2010, Congress launched a bi-partisan Caucus on Prescription Drug Abuse to “raise awareness of abuse, and to work towards innovative and effective policy solutions incorporating treatment, prevention, law enforcement and research.” Data on nonmedical prescription drug use indicate increasing trends and unconventional patterns by gender and region. Through BJA’s Prescription Drug Monitoring Program, states are implementing comprehensive approaches, including education, legislation, prescription monitoring, and other strategies. Law enforcement and other stakeholders are using this information to identify prescription drug diversion and interdict illegal drug market activity.

- **Gary Boggs**, Executive Assistant, Office of Diversion Control, Drug Enforcement Administration, Washington, DC
- **Elizabeth Crane**, Social Science Analyst, Substance Abuse and Mental Health Services Administration, U.S. Department of Health and Human Services, Rockville, Maryland
- **Peter Kreiner**, Research Scientist, Brandeis University, Waltham, Massachusetts
- **Moderator: Linda Truitt**, Senior Social Science Analyst, Justice Systems Research Division, U.S. Department of Justice, Washington, DC



POLICY

## Familial DNA Searching: Issues and Answers

Salon K

Familial DNA searching is the practice of creating new investigative leads in cases where DNA evidence found at the scene of a crime strongly resembles that of an existing DNA profile but is not an exact match. Panelists will explain how the technology works, provide examples of successful convictions obtained through familial searches, and discuss the various misconceptions and concerns regarding this practice.

- **Mitch Morrissey**, District Attorney, Denver District Attorney’s Office, Denver, Colorado
- **Steve Siegal**, Director, Special Programs Unit, Denver District Attorney’s Office, Denver, Colorado
- **Moderator: Chuck Heurich**, Physical Scientist, National Institute of Justice, U.S. Department of Justice, Washington, DC
- **Moderator: Kristina Rose**, Deputy Director, National Institute of Justice, U.S. Department of Justice, Washington, DC

**3:15 p.m. Adjourn**



# Bio**graphies**

**Bradley Adams** is the Director of the Forensic Anthropology Unit for the Office of Chief Medical Examiner in New York City. Dr. Adams and his team are responsible for all forensic anthropology casework in the city, including the ongoing recovery and identification efforts of victims of the World Trade Center attacks. Prior to accepting this position, Dr. Adams worked at the Central Identification Laboratory in Hawaii from 1997–2004. Dr. Adams is a Diplomate of the American Board of Forensic Anthropology, a Fellow with the American Academy of Forensic Sciences, and a member of the Editorial Board of the *Journal of Forensic Sciences*.

**Hassan Aden** serves as Deputy Chief with the Alexandria Police Department (APD) in Virginia and is currently the Patrol Operations Bureau Commander. He and his staff are committed to community partnerships aimed at improving the quality of life in areas affected by crime. Deputy Chief Aden earned a master of public administration certificate from American University's Institute for the Study of Public Policy Implementation, and a master's degree in public administration from American University's School of Public Affairs. He is a member of the International Association of Chiefs of Police as well as the Police Executive Research Forum. He also serves as an assessment team leader for the Commission on Accreditation for Law Enforcement Agencies.

**Jay S. Albanese** is a Criminologist and Professor in the Wilder School of Government and Public Affairs at Virginia Commonwealth University. He served as Chief of the International Center at the National Institute of Justice from 2002 to 2006. Dr. Albanese has presented in 13 countries and has written and edited 60 articles and book chapters and 15 books, including *Organized Crime in Our Times* (Elsevier, 6th ed., 2011), *Transnational Crime and the 21st Century* (Oxford University Press, 2011), and *Professional Ethics in Criminal Justice: Being Ethical When No One is Looking* (Prentice Hall, 3rd ed., 2011).

**Jose R. Almirall** is a Professor in the Department of Chemistry and Director of the International Forensic Research Institute at Florida International University (FIU) in Miami. He was a practicing forensic scientist at the Miami-Dade Police Forensic Laboratory for 12 years, where he testified in more than 100 criminal cases in State and Federal courts, prior to his academic appointment at FIU in 1998. Professor Almirall has authored one book and more than 95 scientific publications in the field of analytical/forensic chemistry and presented more than 400 papers and workshops. He holds doctorate, master's, and bachelor's degrees in chemistry.

**Juergen Altmann** is a Physicist and Peace Researcher at Technische Universität Dortmund, Germany. Since 1985 he has studied scientific-technical problems of disarmament. An experimental focus is automatic sensor systems for cooperative verification of disarmament and peace agreements. Another focus is assessment of new military technologies and preventive arms control. Major studies have dealt with laser weapons, ballistic missile defense, microsystems technology, nanotechnology, nonlethal weapons, and armed uninhabited vehicles. He is a Cofounder of the German Research Association for Science, Disarmament, and International Security and a Deputy Speaker of the Working Group on Physics and Disarmament of the Deutsche Physikalische Gesellschaft.

**Joanne Archambault** is Executive Director of End Violence Against Women International and President and Training Director of SATI, Inc. (Sexual Assault Training and Investigations). Sgt. Archambault is Co-Editor of the *Sexual Assault Report* and a member of CounterQuo, which seeks to change media and legal responses to sexual violence. In April 2010, Sgt. Archambault received the National Crime Victims' Service Award for Allied Professionals. She worked for the San Diego Police Department for almost 23 years and served as a Detective in the Child Abuse Unit, revamped the sexual assault curriculum, and supervised the Sex Crimes Unit. She also worked with the National Center for Women and Policing to develop the first national sexual assault training curriculum for law enforcement.

**Bernard Auchter** is a Senior Social Science Analyst in the Office of Research and Evaluation at the National Institute of Justice (NIJ). He primarily works on issues concerning violence against women, including domestic violence, sexual assault, teen dating violence, stalking, and batterer intervention. He has been with NIJ for 35 years and has managed research programs on crime prevention, prosecution, adjudication, white-collar crime, and family violence. He has worked as a Child Protective Services Caseworker in Pennsylvania and with a Probation Research and Development Unit in the New Jersey Administrative Office of the Courts. He has also served on county social service and domestic violence advisory boards. Mr. Auchter has a master's degree in social policy analysis from Rutgers University and a bachelor's degree from Villanova University.

**Kari Babski-Reeves** is an Associate Professor with Mississippi State University's (MSU's) Industrial and Systems Engineering Department. She is also a Certified Professional Ergonomist. Some of her research interests include industrial ergonomics, work-related musculoskeletal disorder prevention and control, occupational biomechanics, and occupational safety and health. Her research has been funded by private industries and Government organizations such as the U.S. Department of Defense and the National Institute of Justice. Dr. Babski-Reeves' research has been published in numerous journals. She is a member of the Human Factors and Ergonomics Society, Society of Automotive Engineers, and the Institute of Industrial Engineers, among others. She received her doctorate, master's, and bachelor's degrees in industrial engineering from MSU.

**Karen JoAnne Bachar** is a Juvenile Justice Program Specialist for the Child Protections Division of the Office of Juvenile Justice and Delinquency Prevention. Ms. Bachar regularly reviews, interprets, evaluates, and provides feedback on the design of programs, projects, and studies to assist in the implementation of agency programs and enhance agency missions. Ms. Bachar received a master's degree in program evaluation and research methodology from the University of Arizona Department of Psychology in 2000 and a master's degree in social and behavioral basis of public health from the University of Arizona College of Public Health in 2001.

**Bethany Backes** is a Social Science Analyst in the Office of Research and Evaluation at the National Institute of Justice (NIJ), where she maintains a research portfolio on a variety of victimization issues with a specific focus on marginalized communities, sexual violence, and stalking. Ms. Backes teaches victimology courses, and prior to joining NIJ, she coordinated the victim services division for a statewide nonprofit and directed an injury prevention research and service program at Johns Hopkins. She has been a health educator for a local health department and a therapist for survivors of rape and childhood sexual abuse. Ms. Backes is a social work doctoral candidate at the University of Maryland, Baltimore and holds two master's degrees from the University of Michigan.

**William Bales** is an Associate Professor in the College of Criminology and Criminal Justice at Florida State University, a position he has held since 2003. Prior to that, Dr. Bales was Director of Research with the Florida Department of Corrections. He has worked in various research capacities with the Florida Supreme Court, the Florida Department of Law Enforcement, and private research organizations. He has presented research findings at numerous corrections, criminology, and statistics conferences and has published articles and reports in crime and policy journals such as *Criminology*, *Criminology and Public Policy*, *Journal of Research in Crime and Delinquency*, and *Justice Quarterly*. Dr. Bales earned a doctorate in criminology from Florida State University.

**Jack Ballantyne** has 32 years of experience as a forensic scientist. Prior to entering academia, he was a casework forensic scientist in Scotland, Hong Kong, and New York. He was DNA technical leader in Suffolk County, New York, and then served as a part-time consultant DNA technical leader for several State and local crime labs. He is the Chair of the New York State DNA Subcommittee, a regular visiting guest at Scientific Working Group on DNA Analysis Methods and a member of the U.S. Department of Defense Quality Assurance Oversight Committee. His research interests include the development and validation of DNA genotyping and RNA profiling methods in forensic genetics.

**Christina Baxter** is the Program Manager for the Chemical, Biological, Radiological, and Nuclear Countermeasures subgroup at the Technical Support Working Group. Dr. Baxter is active in National Fire Protection Association (NFPA) committees developing standards for personal protective equipment for hazardous materials response and operations. She is a member of the NFPA Hazardous Materials Protective Clothing and Equipment Technical Committee and the NFPA Technical Correlating Committee on Fire and Emergency Services Protective Clothing and Equipment. Dr. Baxter is also a member of the InterAgency Board for Equipment Standardization and Interoperability. She holds a doctorate degree in chemistry from Georgia Institute of Technology and bachelor's degrees in chemistry and environmental science from the University of Massachusetts, Amherst.

**James D. (Dave) Bean** is a Crash Investigation Specialist at the U.S. Department of Transportation's National Highway Traffic Safety Administration. He is a retired police detective from the Fairfax County Police Department in Fairfax, VA, with 29 years of law enforcement experience. He was designated the Fairfax County Police Officer of the Year and received the International Association of Chiefs of Police, J. Stannard Baker Award for Highway Safety. He is a founding member of the Fairfax County Police Crash Reconstruction Section, and served on the unit for the last 17 years of his career as a law enforcement officer.

**Joan Bienvenue** is Chief Scientist and Program Manager in support of the development of rapid microfluidic DNA analysis systems for Lockheed Martin, working on Advanced Biometric Identification Programs. Dr. Bienvenue has been a member of the American Academy of Forensic Sciences since 2001. She also served at the Armed Forces DNA Identification Laboratory as the Validation and Quality Control Supervisor. Dr. Bienvenue was an ORISE Postdoctoral Research Fellow at the Federal Bureau of Investigation Academy-Quantico, VA. She received a doctorate degree in chemistry from the University of Virginia, a master's degree in forensic science at the University of New Haven, and a bachelor's degree in chemistry from Rivier College.

**Hassina Bilheux** is the Oak Ridge National Laboratory (ORNL) lead scientist on neutron imaging capabilities at the High Flux Reactor Isotope and Spallation Neutron Source facilities. She obtained her doctorate degree in physics in 2003 from the University of Versailles-St-Quentin, France, while performing her research project at the ORNL Physics Division, working on electron cyclotron resonance ion sources. Dr. Bilheux is interested in exploring the novel use of neutron imaging in different research areas, such as biomedical, biological, forensic applications, and energy and environmental areas as well. She is the Principal Investigator (PI) on a National Institute of Justice research project and a co-PI on several U.S. Department of Energy, Energy Efficiency and Renewable Energy projects.

**Cynthia A. Bir** is a Professor of the Department of Biomedical Engineering and Director of Research for Orthopaedic Surgery at Wayne State University. Her research interests include sports injury biomechanics, ballistic impacts, blast injury, and high rate loading. She is known worldwide for her work in this area. Dr. Bir's most recent research involves investigating mild Traumatic Brain Injury in a blast neurotrauma model. She is also actively involved in the modification of current biomechanical surrogates for use in the high rate environments. She has worked extensively in the area of less-lethal technology and has investigated use of force issues.

**Dara Blachman-Demner** is a Social Science Analyst in the Office of Research and Evaluation at the National Institute of Justice (NIJ), where her portfolio includes teen dating violence. Prior to joining NIJ, she coordinated the Federal Interagency Forum on Child and Family Statistics. She was also a Policy Fellow at the National Institutes of Health, Office of Behavioral and Social Sciences Research. Dr. Blachman-Demner has conducted research and clinical work on peer victimization, violence prevention, girls' aggression, and children exposed to trauma. A licensed psychologist, she received her doctorate in clinical/community psychology at the University of California, Berkeley, and completed a clinical internship at the Institute for Juvenile Research at the University of Illinois at Chicago.

**Natalie Black** is a Master in Public Policy candidate at Harvard Kennedy School (HKS). Her thesis focuses on how non-governmental actors can be engaged to help tackle transnational organized crime. Ms. Black is a British Fulbright scholar and Fellow with Harvard's Criminal Justice Policy and Management Program. Previously, she was a Management Consultant specializing in strategic initiatives to counter terrorism and organized crime. While at HKS, she has worked in Haiti and Sierra Leone and interned with the United Nations Office on Drugs and Crime in Afghanistan. She is particularly interested in the application of innovative technologies to international affairs.

**Michael E. Blanton** is the Traffic Section Commander for the Lexington Division of Police. He is a 27-year veteran and has been a certified Law Enforcement Instructor since 1990. He has served as a Patrol Officer, Field Training Officer, Training Staff Instructor, Training Academy Commander, and Patrol Sector Commander. Commander Blanton was the primary Use of Force Instructor for the Division of Police from 1991 to 2008. Commander Blanton is a member of the Personal Protective Equipment Technical Work Group Committee for the National Institute of Justice (NIJ). In September 2008, he was appointed to lead the Holster Standards Committee for NIJ. He graduated from Berea College in 1984 and from the Federal Bureau of Investigation National Academy in 2001.

**Lawrence D. Bobo** is the W.E.B. Du Bois Professor of the Social Sciences at Harvard University where he holds appointments in the Department of Sociology and the Department of African and African American Studies. He has held tenured appointments at the University of Wisconsin, UCLA, and Stanford University where he was Director of the Center for Comparative Studies in Race and Ethnicity. His most recent book, *Prejudice in Politics: Group Position, Public Opinion, and the Wisconsin Treaty Rights Dispute* (with M. Tuan), was a finalist for the 2007 C. Wright Mills Award.

**Deborah Boehm-Davis** is University Professor and Chair of the Psychology Department at George Mason University (GMU). She worked on applied cognitive research at General Electric, NASA Ames Research Center, and Bell Laboratories prior to joining GMU in 1984. Her research focuses on how human performance is helped or hindered by the design of tools that help us accomplish everyday tasks with a particular interest in how improving the display of information improves human performance. She holds doctorate and master's degrees in cognitive psychology from the University of California, Berkeley, and a bachelor's degree in psychology from Rutgers University (Douglass College).

**Gary Boggs** is the Executive Assistant to the Deputy Assistant Administrator for the Office of Diversion Control at the U.S. Drug Enforcement Administration (DEA) Headquarters. Prior to this position, he was the Unit Chief over classified programs for the DEA's Office of Special Intelligence. Mr. Boggs was also a Special Agent with the DEA's Detroit Field Division Office, and began his law enforcement career with the Orange County Sheriff's Department in Orlando, Florida. He has held positions that have included Group Supervisor for the Parcel Interdiction Group, Task Force Group, and Special Services Group. He holds a bachelor's degree in criminal justice from Georgia Southern University. He has pursued graduate courses at Rollins College and post-undergraduate courses at the University of Central Florida.

**Brian Bornstein** is Professor of Psychology and Courtesy Professor of Law at the University of Nebraska-Lincoln, where he serves as Associate Director of the Law and Psychology Program. Dr. Bornstein is Co-Editor of the journal *Psychology, Crime & Law*. His interests include jury decisionmaking, reliability of eyewitness memory, procedural and distributive justice, and the use of research findings to improve public policy. He was Principal Investigator on the National Institute of Justice's field experiment "Reducing Courts' Failure to Appear Rate: A Procedural Justice Approach," and has authored or edited seven books and more than 100 journal articles and book chapters. He has earned doctorate and master's degrees.

**Theron Bowman** is the Chief of Police of the Arlington, Texas, Police Department. Chief Bowman is a member of the International Association of Chiefs of Police, the Police Executive Research Forum, and the National Organization of Black Law Enforcement Executives. Chief Bowman has served as a lecturer, instructor, adjunct professor, and visiting fellow for several colleges and universities and has frequently published articles on law enforcement topics. He received a doctorate in urban and public administration, a master's degree in public administration, and a bachelor's degree in biology, all from the University of Texas, Arlington. He is also a graduate of the FBI National Academy, the FBI National Executive Institute, and the Senior Management Institute for Police.

**Douglas Boyle** is the Principal Investigator of a National Institute of Justice-funded randomized trial of an intensive community corrections program (often called DRC) for parolees. Dr. Boyle is the Research Director at the Violence Institute of New Jersey at the University of Medicine and Dentistry of New Jersey (UMDNJ) and is a faculty member of the New Jersey Medical School and the UMDNJ School of Public Health. He earned a doctorate in clinical psychology from the State University of New York at Stony Brook, a law degree from New York University, and an undergraduate degree from Columbia University.

**Thomas Braidwood** is a litigant in a wide range of areas, practicing in the Supreme Court of Canada and the Supreme Court and Court of Appeal of British Columbia. Mr. Braidwood argued the London Drugs case, which allowed the advertising of prescription drugs in British Columbia, and acted for the Federal Government against the Law Society of British Columbia to allow lawyers to advertise. While on the Court of Appeal, he wrote a dissent in the Catholic Children's Aide case, which formed the basis for the amendment of the Law of Trusts in British Columbia. Mr. Braidwood was active in the field of arbitration as counsel and as arbitrator, often as chairman.

**Katharine Browning** is a Senior Social Science Analyst in the Office of Research and Evaluation at the National Institute of Justice (NIJ). Before joining NIJ, she was a visiting professor in the Department of Sociology, Anthropology, and Criminal Justice at the University of North Florida. She has also conducted research in a variety of criminal justice topics and spent 4 years in the research division at the Office of Juvenile Justice and Delinquency Prevention. She received a doctorate degree in criminology and criminal justice from the University of Maryland, College Park, a master's degree in administration of justice and risk from Virginia Commonwealth University, and a bachelor's degree in psychology from Clemson University.

**Scott Bryant** is a Detective in the Maine State Police Criminal Investigation Division II and Senior Evidence Response Team Member and is certified by the International Association for Identification as a Senior Crime Scene Analyst. He has been a Detective with Maine State Police for 8 years, and currently serves as one of three Lead Instructors in the Maine Evidence Response Team. He is currently a Vice President of the New England Division of the International Association for Identification. Detective Bryant is particularly interested in outdoor crime scenes involving death investigation, and has worked on numerous cases involving forensic anthropology and estimations of postmortem interval.

**Eric Buel** is Director of the Vermont Forensic Laboratory, a position he has held since 1998. He also serves on the U.S. Department of Defense DNA advisory board; the Interagency Working Group on Education, Ethics and Terminology; the New York State Sub-Committee on DNA; and the *Journal of Forensic Sciences* editorial review board. He has been a member of the Technical Working Group on DNA Analysis Methods and the Technical Working Group for Crime Scene Investigation and is a past board member for the American Society of Crime Laboratory Directors. He received a doctorate degree in chemistry from the University of Missouri-Kansas City in 1979.

**Barbara Butcher** is Chief of Staff and Director of the Forensic Sciences Training Program at the New York City Office of the Chief Medical Examiner (OCME). As a Medicolegal Death Investigator (MDI) at the OCME, she investigated more than 5,500 death scenes and 680 homicides. She was the senior trainer for MDIs, and is now on faculty at New York University School of Medicine, New York Medical College, and Louisiana State University. She lectures at the New York City Police Department and other agencies. She created and directs the Forensic Sciences Training Program at OCME, a National Institute of Justice-funded academy. Her work on disasters includes the World Trade Center 9/11 attack, tsunami of 2004, Flight 587 air crash, and others.

**John M. Butler** is a Fellow and Group Leader of Applied Genetics at the National Institute of Standards and Technology. He is author of the internationally acclaimed textbook *Forensic DNA Typing*, now in its third edition, and more than 100 scientific articles and invited book chapters. His doctorate degree research, which was conducted in the Federal Bureau of Investigation Laboratory, involved pioneering the techniques now used worldwide in modern forensic DNA testing. Over the past two decades, Dr. Butler has worked in government and industry. He enjoys teaching and regularly presents training workshops to scientists, students, and lawyers.

**Rebecca Campbell** is a Professor of Psychology and Program Evaluation at Michigan State University. For the past 20 years, she has been conducting research on sexual assault. Her work examines how the legal, medical, and mental health systems and rape crisis centers respond to the needs of sexual assault victims. Dr. Campbell's current work, funded by the National Institute of Justice, focuses on SANE programs and the criminal justice system.

**Dave Carney** is the Team Leader of the National Protection Center at the U.S. Army Natick Soldier Research Development and Engineering Center (NSRDEC) in Natick, MA. He is responsible for the program management and execution oversight of all NSRDEC projects related to the Emergency Responder Community. At the NSRDEC, he has also served as Branch Chief and Team Leader in the Combat Feeding Directorate, Team Leader for the Product Manager–Force Sustainment Systems, and Project Engineer. Mr. Carney received a master's degree from the University of Massachusetts, Amherst, and a bachelor's degree in mechanical engineering from Northeastern University, Boston. He is a graduate of the U.S. Army Management Staff College, Ft. Belvoir, VA, and completed the Advanced Acquisition Program from the Naval Postgraduate School in Monterey, CA.

**Daniel Carruth** is an Assistant Research Professor in the Human Factors and Ergonomics Research Group at the Center for Advanced Vehicular Systems at Mississippi State University (MSU). Dr. Carruth leads research projects in two labs: the Human Performance Laboratory and the Driving Simulation Laboratory. Dr. Carruth is interested in human perception, cognition, and action in the context of real-world whole body tasks. His research activities include investigations of cognitive and physical factors impacting human performance in athletic, law enforcement, and military domains. He also works with digital human models and investigates the development and application of virtual environments for simulation and training. He received his doctorate degree in cognitive science from MSU and a bachelor's degree in computer science.

**Shannan Catalano** is a Statistician in the Victimization Statistics Unit at the Bureau of Justice Statistics in Washington, DC. Her current research interests focus on victimization, survey methodology, and changes in the measurement of crime over time. She received a doctorate in criminology and criminal justice from the University of Missouri-St. Louis in 2004.

**Joe Cecconi** is a Senior Scientist in the Office of Science and Technology at the National Institute of Justice. He manages the Directed-Energy Research Program, which includes the less-lethal and pursuit management portfolios. He has been either a Principal Investigator or Manager for research and development programs in the U.S. Department of Defense at the U.S. Army Research Laboratories, the Federal Bureau of Investigation at the Engineering Research Facility, and the U.S. Drug Enforcement Administration at its Engineering Facility. He developed complete systems from conception to fielding. His formal training is in electronics engineering, specializing in radio frequency, optical, digital signal processing, computer systems, and human testing.

**David Chambers** is Associate Director for Dissemination and Implementation Research at the National Institute of Mental Health (NIMH). He leads the National Institutes of Health initiatives around the coordination of dissemination and implementation research in health. Since 2008, he has also been Chief of the Services Research and Clinical Epidemiology Branch at NIMH. In addition, he manages a portfolio of grants that study the integration of scientific findings and effective clinical practices in mental health within real-world practice settings. Prior to his arrival at NIMH, Dr. Chambers worked at Oxford University, where he studied national efforts to implement evidence-based practices within health care settings. Dr. Chambers holds a doctorate degree in philosophy.

**Brett Chapman** is a Social Science Analyst in the Office of Research and Evaluation at the National Institute of Justice. As a member of the Crime Control and Prevention Research Division, he is responsible for the assessment, development, and evaluation of a number of research issues relevant to the area of policing. Dr. Chapman received his doctorate in criminology and criminal justice, a master's degree in criminology, and a bachelor's degree in criminal justice from the University of Maryland, College Park.

**Patrick Clark** is a Senior Social Science Specialist in the Office of Research and Evaluation at the National Institute of Justice. He has a doctorate degree in psychology from Michigan State University, a master's degree in experimental psychology from California State University, and a bachelor's degree in psychology from the University of Michigan.

**Marcia Cohen** is Vice President of Research and Evaluation at Development Services Group, Inc. She is Project Manager for the Office of Justice Programs' CrimeSolutions.gov project, an evidence assessment of the quality and effectiveness of criminal justice, juvenile justice, and victimization programs, including identifying evidence-based models for replication. She has directed more than 30 justice-related evaluations, including three National Institute of Justice studies. She is Project Director for the Office of Juvenile Justice and Delinquency Prevention's (OJJDP's), Model Programs Guide and developed its sister best practices databases on Disproportionate Minority Contact and Deinstitutionalization of Status Offenders. She is Principal Investigator for OJJDP's research grant to identify data patterns and evidence-based practices in reducing racial disparities.

**Kevin Conway** is the Deputy Director of the Division of Epidemiology, Services and Prevention Research at the National Institute on Drug Abuse. Dr. Conway's research focuses on the epidemiology of drug abuse, co-occurring psychiatric disorders, and violence. Dr. Conway is the author of more than 30 journal articles and book chapters. He has received numerous awards for his accomplishments and leadership in research, and is a fellow of the American Psychopathological Association. Dr. Conway has held faculty positions at Portland State University, Temple University, and Yale University. He received his doctorate and master's degrees in experimental psychology from Temple University and his bachelor's degree from Saint Louis University.

**Gary Cordner** is a Professor in the Department of Criminal Justice at Kutztown University in Pennsylvania and a Commissioner with the Commission on Accreditation for Law Enforcement Agencies. Prior to his teaching career, he was a Police Officer in Ocean City, MD, and Police Chief in St. Michaels, MD. He is Past Editor of the *American Journal of Police and Police Quarterly*, Past President of the Academy of Criminal Justice Sciences (ACJS), and Co-Founder and Past President of the Police Section of ACJS. He has co-authored several textbooks, articles, and book chapters. He received a doctorate degree from Michigan State University.

**Elizabeth Crane** is a Social Science Analyst at the Drug Abuse Warning Network (DAWN), Center for Behavior Health Statistics and Quality. DAWN is a public health surveillance system that measures drug-related emergency department visits and drug-related deaths investigated by medical examiners and coroners. Prior to joining DAWN in 2000, Dr. Crane was an Epidemic Intelligence Service Officer at the Centers for Disease Control and Prevention's National Center for Injury Prevention and Control, Division of Violence Prevention. During this time, she was also assigned to the CDC and World Health Organization's "Stop Transmission of Polio" initiative as a member of the first team to travel to Pakistan.

**Phillip B. Danielson** is Professor of Molecular Biology at the University of Denver where he teaches, directs a Forensic Research and Development Program, and serves as a DNA Consultant. His research focuses on the resolution of mitochondrial DNA mixtures and the use of comparative proteomics to identify high-specificity biomarkers for biological stains. He has collaborated with forensic practitioners and law enforcement professionals around the world. He has also developed training programs on the collection, preservation, and use of DNA evidence in criminal investigations for crime scene investigators and legal professionals. His work has been featured in professional journals and the popular press.

**Edward F. Davis** is the 40th Police Commissioner of the City of Boston. Prior to becoming Commissioner, he served as Superintendent of Police in Lowell, MA. Commissioner Davis has received numerous awards, including the National Leadership Award (2002) from the Police Executive Research Forum. He received the prestigious National Institute of Justice's Pickett Fellowship and attended the John F. Kennedy School of Government's Program for Senior Government Executives at Harvard University. He holds a master's degree in criminal justice from Anna Maria College and a bachelor's degree in criminal justice from New Hampshire College. Commissioner Davis has served on the Police Executive Research Forum board of directors and was a founding member of the Massachusetts Major City Chiefs Association.

**Michael Davis** is the Chief of Police for the Brooklyn Park (Minnesota) Police Department (BPPD). He has been a sworn peace officer for 22 years. Prior to joining the BPPD, Chief Davis was a Sector Commander for the Minneapolis Police Department. Chief Davis holds a master's degree in organizational management and a bachelor's degree in criminal justice. Chief Davis has also served as Community Faculty at Metropolitan State University since 2008.

**Rob Davis** is a Senior Research Analyst for the Rand Corporation. He has directed more than 35 projects on victimization, domestic violence, policing, crime prevention, immigration, courts, prosecution, and parole reentry for Federal and State governments and private foundations. During his career, he has conducted 11 randomized experiments to measure the success of criminal justice interventions from batterer intervention programs to prisoner reentry initiatives. His current work includes identifying best international policing practices, developing and testing policing performance indicators, identifying factors that enhance the solvability of cold case homicides, and reducing repeat victimization. He has authored two books on crime prevention and more than 100 journal articles and book chapters and edited five books on crime prevention.

**Duncan DeVille** is a Senior Associate at Booz Allen Hamilton and leads the company's Anti-Money Laundering/Counter-Terrorist Finance (AML/CTF) commercial compliance program. He is also an Adjunct Professor of Law at Georgetown University. Previously, he was a Senior Financial Enforcement Advisor with the U.S. Treasury Department's Office of International Affairs mentoring Latin American and C&E European Governments on compliance with AML/CTF standards. He also served as a Legal Advisor in Baghdad with the U.S. Department of Defense. He was a Prosecutor for more than 12 years and served as an Assistant U.S. Attorney in Los Angeles. He earned graduate degrees from the University of Oxford and Harvard University and his undergraduate degree from the University of Louisiana.

**Dennis C. Dirkmaat** is Chair of the undergraduate program in Applied Forensic Sciences and the Director of the Masters of Science Program in Anthropology at Mercyhurst College in Erie, PA. He is a Professor of Anthropology and a board-certified forensic anthropologist. Dr. Dirkmaat has conducted more than 400 forensic anthropology cases for law enforcement and has published articles on the role of forensic anthropology in forensic investigations, fatal fire scenes, and mass fatalities. Dr. Dirkmaat has participated as a Primary Forensic Anthropologist during mass fatalities in Pittsburgh, Guam, Rhode Island, and Pennsylvania. He has also been involved in the recovery and identification of victims of plane crashes around the world and other mass disaster events.

**Brecht Donoghue** is currently Policy Advisor in the Office of Justice Programs' (OJP) Office of the Assistant Attorney General (AAG). She will soon return to the Office of Juvenile Justice and Delinquency Prevention (OJJDP) as their Research Coordinator. Brecht has worked in the Federal Government for more than 7 years, most recently implementing AAG Laurie Robinson's Evidence Integration Initiative. Ms. Donoghue previously held positions in the Office of Planning, Research and Evaluation in the Administration for Children and Families and at OJJDP. She received a master's degree in social policy from The Johns Hopkins University (JHU), a bachelor's degree from Smith College, and a certificate in Nonprofit Management from the Center for Civil Society Studies at JHU.

**George Drake** is the Community Corrections Project Manager with the Corrections Technology Center of Excellence, where he provides technical assistance to agencies and is a member of the Special Technical Committee for Offender Tracking Technologies. He is also involved with the Community Corrections Technology Working Group. Previously, he served in numerous capacities in the Probation and Parole Division in New Mexico. In January 2007, Mr. Drake retired from Government service and started a consulting company. Before GPS satellites were launched, Mr. Drake worked with scientists at Sandia National Laboratories to develop offender tracking technologies. His work has been published in engineering and corrections journals. He holds a master's degree in business administration from New Mexico Highlands University and an undergraduate degree in psychology.

**Barry Duceman** is Director of Biological Science at the New York State Police Forensic Investigation Center. He currently holds adjunct positions in the Department of Biological Sciences and the Department of Biomedical Science at the State University of New York. He is a past member of the Federal Bureau of Investigation's Scientific Working Group on DNA Analysis Methods and the National Institute of Justice's (NIJ's) Expert System Testbed Project. Currently, he is a member of the NIJ's DNA Forensics Technology Working Group. He has a doctorate from the Pennsylvania State University and 5 years post-doctoral experience in the Department of Human Genetics at Yale University.

**Kimberly DuMont** is a Senior Research Scientist in the Bureau of Evaluation and Research at New York State's Office of Children and Family Services. For the past 15 years, she has been investigating the relationship between individual, family, community, and interventions that may protect against poor outcomes for children and families. Currently, Dr. DuMont is using a randomized controlled trial to evaluate the effectiveness of an intensive home visiting program to promote quality parenting, prevent child maltreatment, and facilitate early school success. She received her doctorate from New York University in community psychology.

**Allison M. Dwyer** is a Research Associate II with the Urban Institutes Justice Policy Center, where her research focuses on jail reentry issues, jail population management and analysis, and crime prevention techniques including DNA collection and police use of camera surveillance technology. She has served as Project Director for the National Institute of Justice-funded Assessing the Performance of Juvenile DNA Systems and Examining the Policies, Practices, and Implications of Collecting DNA from Arrestees. In addition, Ms. Dwyer is a part of the Transition from Jail to Community and Justice Reinvestment at the Local Level initiatives.

**John Q. Easton** is Director of the Institute of Education Sciences, beginning his 6-year term in 2009. Mr. Easton most recently served as Executive Director of the Consortium on Chicago School Research at the University of Chicago. Easton holds a doctorate degree in measurement, evaluation, and statistical analysis from the University of Chicago. He is the author or co-author of numerous reports and articles, and two books: *Charting Chicago School Reform: Democratic Localism as a Lever for Change* and *Organizing Schools for Improvement: Lessons from Chicago*.

**Troy A. Eid** is a Shareholder in the Denver office of Greenberg Traurig LLP, where he co-chairs the American Indian Law Practice Group. He served as the U.S. Attorney for the District of Colorado from 2006 to 2009, appointed by President George W. Bush. The U.S. Senate recently appointed Mr. Eid to the Indian Law and Order Commission, a blue-ribbon panel created by the Tribal Law and Order Act of 2010 to recommend improvements in Indian Country criminal justice. Mr. Eid is also an Adjunct Professor in the American Indian Law Program at the University of Colorado School of Law.

**Chad Ernst** is a Senior Scientist in the Office of Investigative and Forensic Sciences within the National Institute of Justice. As a contractor with Booz Allen Hamilton, he provides technical expertise and programmatic assistance to the Forensic DNA Research and Development Program. Mr. Ernst has more than 14 years of experience in the fields of Forensic DNA and Forensic Education and Training. His experience includes 12 years with the Armed Forces DNA Identification Laboratory, in positions that held progressive responsibility ranging from DNA Technician, DNA Analyst, Supervisory DNA Analyst, to the Manager of Training and Education.



**Dean Esserman** has served as Chief of Police of Providence, RI, since 2003. Colonel Esserman has spent virtually his entire adult life in public service as a law enforcement practitioner, having served as a police executive in several other agencies, successfully implementing community policing plans and other innovations. He also serves as the Senior Law Enforcement Executive-in-Residence at Roger Williams University's Justice System Training and Research Institute, is a board member of the Vera Institute of Justice, and is on the faculty at the Yale University Child Study Center. He holds a juris doctorate degree and is a member of the New York and Massachusetts Bars.

**David P. Farrington** is Professor of Psychological Criminology at the Institute of Criminology, Cambridge University, and Adjunct Professor of Psychiatry at Western Psychiatric Institute and Clinic, University of Pittsburgh. His major research interest is in developmental criminology, and he is Director of the Cambridge Study in Delinquent Development, which is a prospective longitudinal survey of more than 400 London males ages 8 to 48. In addition to more than 530 published journal articles and book chapters on criminological and psychological topics, he has published 80 books, monographs, and Government publications.

**Katherine Hunt Federle** is the Director of the Center for Interdisciplinary Law and Policy Studies and the Director of the Justice for Children Project, interdisciplinary educational and research projects housed in the Ohio State University Moritz College of Law. She teaches family and juvenile law courses and oversees law students in the Justice for Children Practicum, a juvenile law clinic. She serves on the Editorial Advisory Board of the *International Journal of Children's Rights*, the Ohio State Bar Association Juvenile Law Committee, and the Juvenile Justice Planning Community Initiative of the Franklin County Domestic Relations and Juvenile Court. She also serves as a member of the American Bar Association Litigation Section's Children Rights Committee Working Group.

**Thomas E. Feucht** is the Executive Senior Science Advisor at the National Institute of Justice (NIJ). He has been a member of the Federal Government's Senior Executive Service since 2005. Dr. Feucht has served as NIJ's Chief of the Crime Control and Prevention Division, Associate Deputy Director for research and evaluation, Deputy Director for research and evaluation, and head of the Office of Research and Evaluation. As part of his work for NIJ, Dr. Feucht serves on the Social, Behavioral, and Economic Sciences Subcommittee of the National Science and Technology Council Committee on Science, of the White House Office of Science and Technology Policy. Dr. Feucht received his doctorate in sociology from the University of North Carolina, Chapel Hill.

**Patrick Flynn** is a Professor in the Department of Computer Science and Engineering at the University of Notre Dame. His research group is developing technology to help the National Institute of Justice classify and automate extraction of very small facial features to improve the match accuracy of facial database searches.

**Vangie Foshee** is a Professor in the Department of Health Behavior and Health Education at the University of North Carolina at Chapel Hill. She uses longitudinal designs to examine the etiology of adolescent problem behaviors and conducts randomized efficacy trials of prevention programs, such as Safe Dates, a school-based dating abuse prevention program; Families for Safe Dates and Family Matters, family-based programs for preventing dating abuse and substance use, respectively; NOVIOLencia, a program for preventing dating abuse among Latino teens; and Moms and Teens for Safe Dates, a dating abuse prevention program designed for mothers who were victims of domestic violence to do at home with their high-risk teens.

**Nadine P. Frederique** is a Social Science Analyst in the Office of Research and Evaluation at the National Institute of Justice (NIJ). She joined NIJ from the Office of the Assistant Attorney General, where she assisted with the Office of Justice Programs' Evidence Integration Initiative. Her research interests include crime prevention, juvenile delinquency, community corrections, and alternatives to incarceration. She received her doctorate degree in 2010 from the Department of Criminology and Criminal Justice at the University of Maryland, where she was a Sutherland Fellow. Using multilevel modeling, survival analysis, and qualitative interviews, she assessed the effectiveness of a probation program in reducing juvenile recidivism.

**Kristen Fripp** is the Assistant Laboratory Manager at the Georgia Bureau of Investigation's (GBI's) Coastal Regional Crime Laboratory, where she has worked since 1999. She is a qualified Forensic Serologist and Forensic DNA Analyst. She has also served as the statewide Forensic Biology Technical Leader. Ms. Fripp serves as the GBI's representative on the DNA Forensics Technical Working Group. She has a master's degree from Georgia Institute of Technology and a bachelor's degree from Long Island University.

**Patrick Gallagher** is the Under Secretary of Commerce for Standards and Technology and Director of the National Institute of Standards and Technology (NIST). Prior to becoming Director in 2009, Dr. Gallagher was NIST's Deputy Director and the Director of the NIST Center for Neutron Research. He has served as Chair of the Interagency Working Group on Neutron and Light Source Facilities under the White House Office of Science and Technology Policy (OSTP). Currently, he serves as Co-Chair of the OSTP Standards Subcommittee under the National Science and Technology Council. He holds a doctorate degree in physics from the University of Pittsburgh.

**Stephen Gies** is a Project Director at Development Services Group, Inc. He is Principal Investigator (PI) on several National Institute of Justice (NIJ)-funded evaluations and currently serves as a Senior Researcher in Juvenile Justice for the Office of Justice Programs' CrimeSolutions.gov project. He is also Deputy Director of the Office of Juvenile Justice and Delinquency Prevention's (OJJDP's) Model Programs Guide, for which he was instrumental in developing the methodological criteria and assessment protocols. Dr. Gies serves as the PI for two NIJ evaluations: one on using GPS technology for monitoring high-risk sex offenders and another on GPS and high-risk gang offenders. Dr. Gies is the author of several U.S. Department of Justice publications, evaluation reports, book chapters, and OJJDP bulletins.

**Thomas Giovanni** is the newly-appointed Director of the Community Oriented Defender Network at the Brennan Center for Justice. Prior to joining the Brennan Center in 2010, Mr. Giovanni served as the Supervising Attorney at the Neighborhood Defender Service of Harlem, a nonprofit organization dedicated to providing high-quality legal representation to residents of Harlem. Mr. Giovanni has collaborated extensively with New York University School of Law as a guest lecturer, field placement supervisor for Criminal Defense Clinic students, and teacher at the High School Law Institute. He is also a frequent presenter of Know Your Rights Seminars hosted by community groups, schools, and churches. He addresses youth through criminal procedure workshops and street law presentations at high schools in Harlem and other communities.

**Melissa Gische** is a Physical Scientist/Forensic Examiner with the Latent Print Operations Unit (LPOU) at the Federal Bureau of Investigation Laboratory in Quantico, VA. She is qualified as an expert witness in the discipline of latent prints and has testified in Federal and State courts. She is a member of the National Science and Technology Council Subcommittee on Forensic Science and the National Institute of Justice/National Institute of Standards and Technology Expert Working Group on Human Factors in Latent Print Analysis. Ms. Gische received a master's degree in forensic sciences from The George Washington University and a bachelor's degree in psychobiology from the University of California, Los Angeles.

**John Gnagey** is the Deputy Chief of the Special Operations Bureau of the Champaign, IL, Police Department. As Deputy Chief, he has proven experience and success in highly dynamic and challenging environments and in serving as a member of the Special Weapons and Tactics team for 26 years as Operator, Long Rifleman, and Team Leader. He held the position of Team Commander of the Special Weapons and Tactics Unit, the Hostage Negotiation Unit, the Explosive Ordinance Demolition Team, and the Electronic Technician Unit for 22 years. He earned the National Tactical Officers Association (NTOA) John Kolman Award for Excellence in 1998. Mr. Gnagey currently serves as Executive Director for the NTOA.

**Mark Greene** is the Program Manager for Biometrics and Operations Research in the Office of Science and Technology at the National Institute of Justice (NIJ). Before joining NIJ, he was an Applications Scientist at Imago Scientific Instruments in Madison, WI, where he worked on a Defense Advanced Research Projects Agency-funded project focusing on 3-D nanoscale structural analysis of biological and organic materials. Prior to that, Dr. Greene was at the National Institute of Standards and Technology in Gaithersburg, MD, where he focused on developing new quantitative measurement tools for bionanotechnology using techniques such as single molecule fluorescence and optical trapping. He holds doctorate and bachelor's degrees in materials science and engineering and a bachelor's degree in communications from Northwestern University.

**Susan Greenspoon** is a Forensic Molecular Biologist at the Virginia Department of Forensic Science and an Affiliate Research Assistant Professor at Virginia Commonwealth University. Her primary roles are to investigate new technologies, develop new methods, and validate DNA technologies. She has published a number of papers in forensic science. Dr. Greenspoon is an editorial board member for the *Journal of Forensic Sciences* and a frequent reviewer for other journals. She received a doctorate degree in molecular biology from Indiana University and a bachelor's degree in biology from the University of Texas.

**Rob Guerette** is an Associate Professor in the Department of Criminal Justice at Florida International University in Miami. He serves as Senior Researcher (in crime prevention) for the Office of Justice Programs' CrimeSolutions.gov project. Professor Guerette has conducted several evaluations of crime-prevention projects and recently completed two comprehensive reviews on the extent of displacement and diffusion effects surrounding crime prevention initiatives. He is the author, co-author, or editor of two books and close to 30 journal articles, book chapters, and technical reports. He also currently serves as the Advisor and Coordinator for the Annual Herman Goldstein Awards for Excellence in Problem-Oriented Policing.

**Ian Hamilton** is Project Manager for the Video Standards for Law Enforcement Applications project at the International Association of Chiefs of Police (IACP). He oversees an NIJ-funded grant initiative to develop technical standards for three emerging video technologies currently used by law enforcement: vehicular digital video, automated license plate readers, and interview room recording systems. He has worked for the IACP since 2007, and he holds a master's degree in criminology and criminal justice and a bachelor's degree in communications.

**Thomas Hanson** serves as Senior Research Associate for the Health and Human Development Program and Co-Director of Research for the Regional Educational Laboratory West, both programs of WestEd. He co-directed the Tribes Outcome Evaluation (with Anthony Petrosino), an experimental trial investigating the effectiveness of a classroom-based, cooperative learning instructional strategy on improving the classroom environment, reducing children's antisocial behavior, and increasing protective factors such as resilience. As part of his work for the Regional Educational Laboratory, he manages six large-scale randomized trials being implemented in the Western region. He received his doctorate degree in sociology from the University of Wisconsin-Madison.

**Randy Hanzlick** is a board-certified Forensic Pathologist, Professor of Forensic Pathology at Emory University School of Medicine, and Chief Medical Examiner for Fulton County, Georgia. He is a Past-President of the National Association of Medical Examiners (NAME) and former Pathology/Biology Section Officer for the American Academy of Forensic Sciences (AAFS). Dr. Hanzlick has also been involved in infant death investigation protocols and training funded by the Centers for Disease Control and Prevention, and in National Institute of Justice-funded programs to improve the management of missing and unidentified persons. He has received numerous awards including NAME's Life Service Award and the AAFS Distinguished Fellow Award.

**Jack Harne** is a Physical Scientist for the Corrections Technology Portfolio with the Office of Science and Technology at the National Institute of Justice (NIJ). He manages the Corrections Technology Center of Excellence, which is part of the National Law Enforcement and Corrections Technology Center System and managed by Denver University. Mr. Harne has spent more than 34 years in the criminal justice field, including in the Maryland Division of Correction, where he served at the Maryland Correctional Institution—Hagerstown and Roxbury Correctional Institution. Mr. Harne has a master's degree in criminal justice and public administration from Shippensburg University and a bachelor's degree from Towson State University.

**Timothy C. Hart** is an Assistant Professor in the Criminal Justice Department at the University of Nevada, Las Vegas (UNLV). His areas of interest include survey research, applied statistics, geographic information systems, and victimization. Prior to joining the faculty at UNLV, he worked as a Statistician for the Bureau of Justice Statistics, a Program Analyst for the Drug Enforcement Administration, and a Research Analyst for the Hillsborough County Sheriff's Office. In addition to his teaching responsibilities, Dr. Hart serves as Director of the Statistical Analysis Center for the State of Nevada. He received his doctorate degree in criminology from the University of South Florida.

**John Harte** is a member of the San Felipe Pueblo and partner in the Mapetsi Policy Group, a firm dedicated to strengthening the voice of Indian Country with Federal policymakers. Mr. Harte comes to Mapetsi from the U.S. Senate Committee on Indian Affairs, where he served as Policy Director under Chairman Byron Dorgan. As Policy Director, Mr. Harte staffed the effort to pass the Tribal Law and Order Act of 2010, which was signed into law by President Obama on July 29, 2010. Prior to his work on the Committee, Mr. Harte served as General Counsel and Legislative Director of the National Indian Gaming Association. He also served as Deputy Director of the Office of Tribal Justice under Attorney General Reno.

**Christopher Hartney** is a Senior Researcher at the National Council on Crime and Delinquency and has 2 decades of professional experience in research and statistics. He is managing the Office of Juvenile Justice and Delinquency Prevention-funded 3-year national evaluation of the Juvenile Detention Alternatives Initiative (JDAI), a study particularly focused on which elements of the JDAI model are most effective in reducing unnecessary preadjudication detention and in reducing racial and ethnic disparities among detained youth. Other recent projects explored the decarceration of youth from California's youth prison system, potential cost savings of alternatives to incarceration for nonserious offenders, and a structured decisionmaking system for juvenile court commitments in the District of Columbia.

**David Hayeslip** is a Senior Research Associate with the Urban Institute. He is currently the Principal Investigator for the Evaluation of Crime Lab Efficiency, the Evaluation of "Cold Hits" Outcomes, the Census of Publicly Funded Crime Laboratories, the Survey of General Purpose Law Enforcement Agencies, and the Evaluation of the Los Angeles Gang Reduction and Youth Development Program. Prior to joining the Urban Institute, Dr. Hayeslip was a Senior Associate with Abt Associates, Assistant Director with the Office of Community Oriented Policing Services, and a Program Manager and Visiting Senior Research Associate with the National Institute of Justice. He holds a doctorate and master's degrees from Michigan State University and a bachelor's degree from the Pennsylvania State University.

**Leon Higley** is a Professor of Applied Ecology and Forensic Science at University of Nebraska-Lincoln. Dr. Higley's research focuses on the role of blowflies in decomposition ecology and estimating time of death, the conservation biology of the Salt Creek tiger beetle, plant physiological responses to insect injury (particularly photosynthesis), pest management decision making, and other issues in ecophysiology. He is the author of more than 100 peer-reviewed publications, 21 book chapters, and has edited 5 books. He received a doctorate degree in entomology/crop production and physiology as well as a master's degree in entomology from Iowa State University, and a bachelor's degree in chemistry from Cornell University.

**Brian Hoey** is a Laboratory Manager and the DNA Technical Leader for the laboratory system of the Missouri State Highway Patrol Crime Laboratory. He is a member of the American Academy of Forensic Sciences, and the Midwestern Association of Forensic Scientists where he served for 5 years as the Biology Coordinator, served as the Program Chair for their 34th annual meeting, and is currently on the Board of Directors serving as the Treasurer. Mr. Hoey holds a master's degree in biology from Northern Illinois University.

**Eric H. Holder, Jr.**, became the 82nd Attorney General of the United States on February 3, 2009. Prior to that, he was a litigation partner at Covington & Burling LLP in Washington, DC. In 1997, Mr. Holder was appointed Deputy Attorney General by President Clinton and was the first African-American named to that post. Previously, he served as U.S. Attorney for the District of Columbia. In 1988, President Reagan named him an Associate Judge of the Superior Court of the District of Columbia. He earned a B.A. in American history from Columbia College and a J.D. from Columbia Law School.

**Jake Horowitz** is a Senior Associate and Project Manager for the Public Safety Performance Project of the Pew Center on the States. The project helps States advance policies that protect public safety, hold offenders accountable, and contain corrections spending. Prior to joining the Pew Center, he served as a Social Science Analyst with the National Institute of Justice, a Legislative Fellow in the U.S. House of Representatives, and a Counselor with Eckerd Youth Alternatives. Mr. Horowitz is a graduate of Reed College and Harvard University's John F. Kennedy School of Government.

**John Hunsaker** is Associate Chief Medical Examiner in Kentucky and a tenured Professor and Director of the Division of Forensic Pathology at the University of Kentucky. He has performed more than 7,000 autopsies and testified extensively as an expert witness. Authoring numerous papers and book chapters, Dr. Hunsaker is on the editorial board of the *American Journal of Forensic Medicine and Pathology* and is the North American Editor of *Forensic Science, Medicine, and Pathology*. He is a Past President and Chair of the Board of the National Association of Medical Examiners and has been an Officer of the Pathology/Biology Section of the American Academy of Forensic Sciences. He is a 2008 recipient of the Kentucky Coroners' Association's David Wolf Award for Excellence.

**Joel Hunt** is a Social Science Analyst at the National Institute of Justice and a doctoral student in Justice, Law and Society (JLS) at American University. He is currently working in the Mapping and Analysis for Public Safety program on various projects pertaining to the modifiable areal unit problem and the reliability and accuracy of various hotspot techniques. He received his master's degree in JLS from American University and a bachelor's degree in justice from the University of Alaska, Anchorage.

**Seri Palla Irazola** is a Project Manager for ICF International's Health, Education, and Social Programs Division. She has 9 years of applied research experience in the field of social policy, specializing in advanced methodologies, multimode data collection efforts, and evaluation. Dr. Irazola is the Project Manager for the National Institute of Justice (NIJ)-funded National Evaluation of the Statewide Automated Victim Information and Notification System, as well as the NIJ-funded Study of Victims Experiences of Wrongful Conviction. Prior to joining ICF, Dr. Irazola was a Research Associate at the Urban Institute's Justice Policy Center and also worked for the Bureau of Justice Statistics.

**Robert Johnson** is a Professor of Justice, Law and Society at American University in Washington, DC. His social science books include *Culture and Crisis in Confinement*, *Condemned to Die: Life Under Sentence of Death*, *Hard Time: Understanding and Reforming the Prison*, and *Death Work: A Study of the Modern Execution Process*, which received the Outstanding Book Award of the Academy of Criminal Justice Sciences. Johnson has edited five social science books, has published widely in professional journals, and has testified or provided expert affidavits before State and Federal courts, the U.S. Congress, and the European Commission of Human Rights. Professor Johnson is a Distinguished Alumnus of the Nelson A. Rockefeller College of Public Affairs and Policy, University at Albany, State University of New York.

**Rachel Johnston** is the Director of the Research and Development Division for the Chicago Police Department, where she is responsible for the department's grants, policies, and research. She has served as a consultant to various Government agencies. Ms. Johnston has a master's degree in urban planning and policy from the University of Illinois at Chicago and is finishing a dissertation in criminology.

**Shana Judge** is a doctoral candidate in Public Policy at the University of North Carolina at Chapel Hill whose research agenda focuses on relationships between public policies and women's health and well-being. She is working on several projects that examine links between prostitution, sex trafficking, and related social and economic problems. Ms. Judge has worked as an Attorney in the public and nonprofit sectors; as an instructor of legal studies, public policy, and Government; and as a reporter covering the Federal Government in Washington, DC. In addition to her law degree, she has master's degrees in political science and public policy.

**Maha Jweied** is a Senior Counsel for the Access to Justice Initiative at the U.S. Department of Justice (DOJ). Prior to joining the DOJ, she was a Senior Attorney-Advisor at the U.S. Commission on Civil Rights. Previously, she was a Litigation Associate at the law firm of Arent Fox, where she served as co-counsel on a juvenile death penalty case. She also spent time at Mizan Law Group for Human Rights in Amman, Jordan, where she worked on refugee and child custody matters. Ms. Jweied served as a Law Clerk to Judge Shahabuddeen of the Appeals Chamber of the International Criminal Tribunal for the former Yugoslavia in the Netherlands.

**Kenneth Kidd** is Professor of Genetics, Psychiatry, and Ecology and Evolutionary Biology at Yale University and a Human Population Geneticist. He has published more than 500 scientific papers on a variety of subjects and currently focuses on uses of molecular markers. He also runs the ALlele FREquency Database. In the late 1980s, his expertise in both population and molecular genetics provided helpful testimony in getting DNA accepted in the courts. He also served on the DNA identification advisory panels for the World Trade Center attack and Hurricane Katrina.

**Robert Kinsler** is a Physical Scientist for the Army Research Lab with more than 25 years of ballistic experimentation experience and specializing in body armor research. He is currently the Lead Analyst for the Army Research Laboratory's Peepsite small arms facility where prototype body armor materials are tested in addition to prototype small arms weapons systems. He is a member of the Live Fire Small and Medium Caliber Oversight Committee, a member of the National Institute of Justice's Body Armor Technical Working Group that has a charter to develop Body Armor Test Standards, and a Technical Expert for the NIST, which accredits independent laboratories that test body armor.

**Alisa Klein** serves as the Public Policy Consultant to the Association for the Treatment of Sexual Abusers, an international multidisciplinary organization dedicated to preventing sexual abuse through assessment, treatment, and management of individuals who have sexually abused or are at risk to abuse. She specializes in the development and analysis of sex offender-related policy, interpersonal violence prevention, and strategic policy planning, implementation, and advocacy. Ms. Klein has conducted projects for the National Sexual Violence Resource Center; served as a trainer for the Centers for Disease Control and Prevention national Rape Prevention and Education regional trainings; and served as a researcher, writer, and policy planner for a wide range of victim advocacy organizations.

**Andrew Klein** is a Senior Research Analyst at Advocates for Human Potential, Inc. He has served as a Principal Investigator for a diverse range of domestic violence studies, including use of civil protective orders, a longitudinal study of abusers, elder abuse, stalking, and specialized programs of probation supervision of abusers. He is author of *The Criminal Justice Response to Domestic Violence* (Thomson/Wadsworth). His *Practical Implications of Current Domestic Violence Research for Law Enforcement, Prosecutors and Judges* was released as a Special Report by the National Institute of Justice. Previously, he served as Chief Probation Officer of a Massachusetts District Court, helping to establish the country's first dedicated domestic violence court.

**Margaret Kline** is a Research Biologist. In her research, she uses the Polymerase Chain Reaction for human identity purposes. She also optimizes electrophoretic separations of the various genetic loci studied and performs sequencing on variant STR alleles. She develops and produces Standard Reference Material. Ms. Kline studies the long-term effects of storage conditions and storage medium on DNA stored as blood stains, tests additional stabilizing matrices for the storage of genomic DNA at ambient temperature, and designs, prepares, distributes, and collects data from interlaboratory studies involving human identity projects, including STR. She received a master's degree from the University of Maryland, College Park.

**Regina Knight** is a Senior Forensic Scientist for the Office of Investigative and Forensic Sciences at the National Institute of Justice (NIJ). As a contractor with Booz Allen Hamilton, she supports both the General Forensics and DNA Research and Development portfolios. She holds a master's degree in biotechnology from The Johns Hopkins University and a bachelor's degree in biology/pre-medicine from California University of Pennsylvania.

**Elias Kontanis** is the National Transportation Safety Board Coordinator for Medicolegal Operations. He has participated in 14 major transportation accident investigations. Previously, he served as a Forensic Scientist for the Joint POW/MIA Accounting Command Central Identification Laboratory. As a member of the Disaster Mortuary Operational Response Team, Dr. Kontanis participated in the EgyptAir Flight 990 and the September 11, 2001 World Trade Center victim identification efforts. He has consulted for various medicolegal jurisdictions, NCIS, and the U.S. Department of Justice, among others. He is a Registered Medicolegal Investigator and holds a doctorate degree, a Federal Aviation Administration advanced ground instructor certificate, and a commercial certificate with an instrument rating.

**Robert D. Koons** was a Research Chemist in the Federal Bureau of Investigation Laboratory from 1982 through 2009. His major interest was development and application of methods of elemental analysis for source evaluation of trace evidentiary materials. He served on international committees to evaluate the legal and scientific bases for forensic use of elemental composition of a variety of materials. He was Assistant Professor of Soil Chemistry and Director of the Life Sciences and Analytical Laboratory of the University of Maine from 1979 through 1982. He received his doctorate degree from the University of Wisconsin-Madison and his master's and bachelor's degrees from Duke University.

**Peter Kreiner** is a Research Scientist at the Institute for Behavioral Health, Brandeis University, and Principal Investigator for both the national Prescription Monitoring Program Training and Technical Assistance Center and the Prescription Monitoring Program Center of Excellence at Brandeis. Using data from Massachusetts, Dr. Kreiner has studied geographical patterns of likely doctor shopping activity and found associations between high rates of doctor shopping and high rates of fatal and nonfatal opioid overdoses. He is currently studying ways prescription monitoring program data can be used to enhance law enforcement and regulatory agency investigations as well as support public health.

**Elizabeth Kronk** is a Professor at Texas Tech University School of Law and teaches in the areas of property, natural resources law, and Federal Indian law. She also publishes and presents nationally on topics related to tribal court development and the intersection of environmental law and Federal Indian law. She is an enrolled member of the Sault Ste. Marie Tribe of Chippewa Indians and also serves as her Tribe's Chief Appellate Judge. She serves as Chair of the Federal Bar Association Indian Law Section. She received her juris doctorate degree from the University of Michigan Law School and a bachelor's degree from Cornell University.

**Bruce Kubu** is a Senior Research Associate and has been with the Police Executive Research Forum (PERF) since 1999. He has more than 15 years of experience in the field dealing with survey methodology. On behalf of PERF, Mr. Kubu directs the Law Enforcement Center for Survey Research. He has managed numerous federally and private-funded projects since joining PERF, including dozens of projects involving surveys. Prior to joining PERF, he worked at the Washington/Baltimore High Intensity Drug Trafficking Area, which is part of the Office of National Drug Control Policy. He earned his master's degree from the School of Criminology and Criminal Justice at the University of Maryland.

**Raymond Kuk** is a Supervisory Chemist with the Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF) forensic science laboratory in Beltsville, MD. He is an ABC fellow in fire debris analysis. Mr. Kuk has instructed fire debris analysis courses for chemists and instructs on fire chemistry and laboratory analysis for fire investigators. Additionally, he is the certifying chemist for ATF-trained accelerant detection canine teams. Prior to joining ATF, Mr. Kuk was a Forensic Scientist with the Illinois State Police where he worked in the trace chemistry section analyzing fire debris and general unknowns.

**Veronica Swain Kunz** is Chief Executive Officer of the South Carolina Victim Assistance Network (SCVAN). SCVAN advocates on behalf of all crime victims and those who serve them. Ms. Kunz serves as Vice-Chair of the South Carolina Victim Services Coordinating Council, the University of South Carolina's Department of Criminology and Criminal Justice Advisory Board, and the South Carolina Criminal Justice Legislative Coalition. She has also served as an instructor for the South Carolina State Victim Assistance Academy, the Carolinas Institute for Community Policing, and many others. A survivor of family and sexual violence, Ms. Kunz is a passionate advocate for the rights of crime victims.

**Greggory LaBerge** is the Director and Commander of the Denver Police Department Crime Laboratory and has worked at the Denver Police Department for 15 years. He has provided support to the forensic community through teaching at the National Forensic Science Technology Center and around the world in collaboration with the U.S. State Department. Mr. LaBerge is a doctoral candidate in human medical genetics at the University of Colorado Health Sciences Center, and he holds a master's degree in biostatistics from the University of Colorado Health Sciences Center and an honors bachelor's degree in molecular biology and genetics from the University of Guelph.

**Gary LaFree** is Director of the National Center for the Study of Terrorism and Responses to Terrorism at the University of Maryland, as well as Professor in the Department of Criminology and Criminal Justice. He received his doctorate degree in sociology from Indiana University. Dr. LaFree is a former President of the American Society of Criminology, a member of the Executive Committee of the National Academy of Sciences Division on Behavioral and Social Sciences and Education, a Fellow of the American Society of Criminology, and a past Chair of the American Sociological Association's Section on Crime, Law, and Deviance.

**John J. Larivee** is the Chief Executive Officer of Community Resources for Justice (CRJ). CRJ's services include research, public education, and advocacy on critical issues in criminal and juvenile justice. CRJ also provides residential and day services to adult offenders, troubled youth, and mentally retarded/developmentally disabled individuals. Mr. Larivee has been with CRJ for 30 years, serving as its Chief Executive Officer since 1985. He is a founding member of Citizens for Juvenile Justice, a member of the Board of the Massachusetts Council of Human Service Providers, and Past President of the International Community Corrections Association. For the Commonwealth of Massachusetts, Mr. Larivee has served on the Governor's Advisory Council on Corrections and the Advisory Council Youth Services.

**Edward Latessa** is Professor and Director of the School of Criminal Justice at the University of Cincinnati. He serves as Senior Researcher (in corrections and courts) for the Office of Justice Program's CrimeSolutions.gov project. Over the past 3 decades, Dr. Latessa has published more than 110 works in the areas of criminal justice, corrections, juvenile justice, and program evaluation. He is co-author of seven books. Dr. Latessa has directed more than 100 funded research projects and helped assess more than 550 correctional programs. Dr. Latessa served as President of the Academy of Criminal Justice Sciences in 1989–90 and has received numerous awards.

**John H. Laub** is the Director of the National Institute of Justice. He was nominated by President Obama and confirmed by the Senate. He is also a Distinguished University Professor of Criminology and Criminal Justice on leave from the University of Maryland, College Park. Along with his longtime colleague, Robert J. Sampson, Dr. Laub is the 2011 recipient of the Stockholm Prize in Criminology, for their research showing why and how criminals stop offending. In 2002, he was elected President of the American Society of Criminology and received its Edwin H. Sutherland Award in 2005. He has published extensively, including co-authoring two award-winning books. Dr. Laub received his master's and doctorate degrees in criminal justice from the State University of New York, Albany, and his bachelor's degree from the University of Illinois, Chicago.

**Elizabeth J. Letourneau** is an Associate Professor in the Department of Psychiatry and Behavioral Sciences at Medical University of South Carolina. In September, she will transfer to the Department of Mental Health at The Johns Hopkins School of Public Health. Dr. Letourneau has studied sex offending and sexual victimization for more than 20 years, including the effects of sex offender registration and community notification legal policies. Most recently, her research has centered on examining interventions for youth who engage in risky behaviors, including juveniles who have sexually offended, youth with HIV who engage in unprotected sex, and delinquent youth who engage in risky sexual behaviors.

**Marc A. Levin** is the Director of the Center for Effective Justice at the Texas Public Policy Foundation and a leader of its project Right on Crime. Mr. Levin's criminal justice work with the Foundation has been cited by leading policymakers as playing a key role in Texas adult and juvenile justice reforms that have saved \$2 billion in avoided incarceration costs and contributed to the State having its lowest crime rate since 1973. He served as a Law Clerk to Judge Will Garwood on the U.S. Court of Appeals for the Fifth Circuit and Staff Attorney at the Texas Supreme Court.

**Rolf Loeber** is a Distinguished University Professor of Psychiatry and Professor of Psychology and Epidemiology at the University of Pittsburgh. He is also a Professor of Juvenile Delinquency and Social Development at the Free University in Amsterdam, the Netherlands. He is Co-Director of the Life History Program and is Principal Investigator of the Pittsburgh Youth Study, the Developmental Trends Study, and the Pittsburgh Girls Study. He is Co-Chair of the National Institute of Justice Study Group on the Transition between Juvenile Delinquency and Adult Crime. He is an elected member of the Royal Academy of Sciences in the Netherlands and the Royal Irish Academy in Ireland. He has published widely in the fields of juvenile antisocial behavior and delinquency, substance use, and mental health problems.

**Mario Maciel** is dedicated to providing and coordinating services that offer hope to young people and their families. In his duties as Superintendent of the San José, CA, Mayor's Gang Prevention Task Force he oversees recreational facilities and programs for 200,000 residents. After receiving his bachelor's degree in industrial and organizational psychology from San José State University, Mr. Maciel began focusing on youth substance abuse, domestic violence, and gang intervention. He began his career with the City of San José in 1997 as the Clean Slate Tattoo Removal Program Coordinator and has since supervised a variety of intervention and community improvement programs.

**Ed Maguire** is an Associate Professor and Chair in the U.S. Department of Justice, Law and Society at American University. He serves as a Senior Researcher (in law enforcement) for the Office of Justice Program's CrimeSolutions.gov project. His professional interests focus on three topics: police organizations, violent crime, and social science measurement. Professor Maguire is invited regularly to speak on topics related to crime and justice throughout the United States and around the world. He has written or edited three books and more than 50 articles and chapters on various themes related to policing, crime, criminal justice, organization theory, and social science methodology.

**John Markovic** is a Senior Social Science Analyst with the Office of Community Oriented Policing Services, a component of the U.S. Department of Justice. Areas of focus include violence, gangs, use of geographical information systems, and civil rights in policing. Mr. Markovic serves on the National Institute of Justice Technology Working Group for Geospatial Technologies. His previous employment includes the Project on Human Development in Chicago Neighborhoods, the Vera Institute of Justice (New York), and the International Association of Chiefs of Police. He holds a master's degree in criminal justice from the University of Illinois at Chicago.

**Richard Mathies** is the G.N. Lewis Professor of Chemistry and Dean of the College of Chemistry at the University of California at Berkeley. His work in the area of biotechnology and the Human Genome Project led to the development of new high-speed, high-throughput DNA analysis technologies. In particular, his development of energy transfer fluorescent labels was a critical contribution to the early completion of the Human Genome sequence. Dr. Mathies has authored more than 400 publications and patents. He earned his doctorate and master's degrees in physical chemistry at Cornell University and received his bachelor's degree in chemistry from the University of Washington. He completed 2 years of postdoctoral study as a Helen Hay Whitney Postdoctoral Fellow at Yale.

**Tim Maurer** is a Master in Public Policy candidate at Harvard Kennedy School (HKS). His thesis focuses on how non-governmental actors can be engaged to help tackle transnational organized crime. Mr. Maurer is a McCloy Fellow at HKS specializing in foreign policy and global governance. He has worked for the United Nations in Rwanda, Geneva, and New York. His research at the Global Public Policy Institute in Berlin focused on the coordination of the United Nations system (humanitarian assistance, development, and peacekeeping). At HKS, he has been focusing on cyber security. He is particularly interested in the application of innovative technologies to international affairs.

**Henry Maynard** is a Forensic Analyst in the Office of Investigative and Forensic Sciences within the National Institute of Justice. As a contractor with Booz Allen Hamilton, he provides technical expertise and programmatic support to the Forensic Science Research and Development Program and the Forensic Science Training Development and Delivery Program. Mr. Maynard earned a master's degree from Arcadia University and his bachelor's degree in biochemistry from Plattsburgh State University.



**Bruce R. McCord** is a Professor of Analytical and Forensic Chemistry at Florida International University. His research interests involve forensic genetics, toxicology, and explosives residue detection. He has published more than 60 peer-reviewed papers and seven book chapters, and he is a current member of the editorial boards of *Electrophoresis* and *The Journal of Forensic Sciences*. Dr. McCord received his doctorate degree in analytical chemistry from the University of Wisconsin-Madison and a bachelor's degree in chemistry with honors from William and Mary.

**Robert W. McKenna** is the Assistant Dean and an Assistant Professor of Criminal Justice in the School of Justice Studies at Roger Williams University in Bristol, RI. He is also the Director of the University's Justice System Training and Research Institute and Co-Director of the Teaching Police Department Initiative. After more than 20 years, he retired from East Providence, RI, Police Department as a Lieutenant supervising the Planning and Training Unit. Mr. McKenna holds a juris doctorate degree and master's and bachelor's degrees in criminal justice.

**Danielle McLeod-Henning** is a Program Manager in the Office of Investigative and Forensic Sciences at the National Institute of Justice. She is responsible for managing projects in Forensic Science Research and Development. Ms. McLeod-Henning holds a master's degree in forensic sciences from The George Washington University and a bachelor's degree in anthropology from the Pennsylvania State University.

**Christopher Mealy** is a Staff Engineer at Hughes Associates, with experience in the design and execution of both bench- and full-scale fire testing. Mr. Mealy has been a contributing researcher in several National Institute of Justice-funded research grants awarded to Hughes Associates that require investigating reduced ventilation enclosure fires as well as liquid fuel spill fires, both in the open and within an enclosure. Mr. Mealy also has experience conducting fire investigation in which scene documentation, evidence collection, and burn pattern analysis are required. Mr. Mealy is a member of the National Fire Protection Association 921 Committee on Fire Investigation.

**Bernard K. Melekian** is the Director of the Office of Community Oriented Policing Services (COPS). He is committed to the philosophy of advancing public safety through community policing. Prior to joining COPS, Mr. Melekian had 36 years of law enforcement experience, including 13 years as the Police Chief in Pasadena, California. Director Melekian is a doctoral candidate in public policy at the University of Southern California, and holds a master's degree in public administration and a bachelor's degree in American history. He retired from the Coast Guard Reserve in 2009 after 28 years of service.

**Colleen Milligan** is a Physical Anthropologist at California State University, Chico (CSU-Chico) with research interests in bioarchaeology, skeletal biology, and forensic anthropology. She has been a Fellow with the Department of Homeland Security on work related to mass fatality policy development. In addition, she is part of the CSU-Chico Human Identification Lab's Forensic Anthropology Team. She has assisted in the recovery and analysis of human remains in both Michigan and California.

**Samson Mil'shtein** is a Professor of Electrical and Computer Engineering at the University of Massachusetts Lowell. The current technology his research group has developed for the National Institute of Justice collects finger and palm prints using a noncontact optical scanner.

**Jennifer Mnookin** is a Professor of Law at the UCLA School of Law and the founding Co-Director of PULSE (Program on Understanding Law, Science and Evidence). Professor Mnookin researches and writes primarily in the area of evidence, particularly expert and scientific evidence, and the use of forensic science in court. She has served as a member of the National Academy of Science Committee on Daubert Standards and as Chair of the Evidence section of the American Association of Law Schools. Professor Mnookin received her doctorate degree in the history and sociology of science from the Massachusetts Institute of Technology, her juris doctorate degree from Yale Law School, and her bachelor's degree from Harvard College.

**Brian Montgomery** is a Physical Scientist in the Office of Science and Technology at the National Institute of Justice (NIJ). He serves as the Program Manager for the Officer Safety and Protective Technologies Portfolio and the Explosives Detection and Remediation Portfolio. Mr. Montgomery has been with NIJ both as a contractor and Federal employee for more than 5 years. He has a bachelor's degree in engineering physics from West Virginia Wesleyan College. Upon completion of this degree, he entered the U.S. Army as a Military Intelligence Systems Maintainer and Integrator. He also held multiple system engineering positions while serving. After his military service, he became a Government contractor at the National Security Agency and then at NIJ.

**Michel R. Moore** is Assistant Chief of the Los Angeles Police Department and oversees Detective Bureau and Counter-Terrorism and Special Operations Bureau, as well as Citywide Jail and Property Room operations. The Office of Special Operations has approximately 2,400 sworn and civilian personnel providing specialized police services and support operations to the City of Los Angeles. Assistant Chief Moore completed a master's degree in business administration and a bachelor's degree in business and management from the University of Redlands. He has received numerous commendations and awards for his police service, including the Department's Medal of Valor, the Police Medal, and the Meritorious Service Medal.

**Mitch Morrissey** is District Attorney of Denver, Colorado. He is responsible for the prosecution of more than 6,000 felony and 21,000 misdemeanor criminal cases each year. Mr. Morrissey is one of the lead proponents of using familial DNA database searches in the United States and directs the Denver DNA Human Identification Research Project, which is studying the use of familial DNA searches in criminal investigations in Colorado. Mr. Morrissey is also spearheading an effort for a State law that would allow a DNA sample for the Colorado DNA database to be taken at arrest on a felony offense instead of after a felony conviction.

**Marilyn C. Moses** is a Social Science Analyst for the National Institute of Justice (NIJ). Ms. Moses came to the Institute as a Presidential Management Fellow and has been with NIJ for 20 years. Ms. Moses is most known in the field as the creator of the Girl Scouts Beyond Bars program, a program she created in 1992 that has since been nationally replicated. She earned a master's degree in criminal justice from the University of Baltimore and is currently working on a master's degree in nonfiction and science and medical writing at The Johns Hopkins University. She received her undergraduate degree in paralegal studies from the University of Maryland University College.

**Carrie Mulford** is a Social Science Analyst in the Office of Research and Evaluation at the National Institute of Justice. Her portfolio consists of research and evaluation projects on violence and abuse throughout the life span, including child maltreatment, teen dating violence, criminal offending in youth and young adulthood, and elder abuse. Ms. Mulford has co-authored more than a dozen scholarly articles, primarily focused on violence prevention and juvenile justice. She received her doctorate in psychology from the University of Virginia and her bachelor's degree from Rice University.

**Edward P. Mulvey** is a Professor of Psychiatry and Director of the Law and Psychiatry Program at Western Psychiatric Institute and Clinic at the University of Pittsburgh School of Medicine. Dr. Mulvey has conducted numerous research studies on the relation of mental illness and violence and development in serious adolescent offenders. He has served on two MacArthur Foundation Research Networks, one on Mental Health and the Law and another on Adolescent Development and Juvenile Justice. He is a member of the National Academy of Sciences Panel on Assessing Juvenile Justice Reforms and the Scientific Advisory Board for the Office of Justice Programs.

**Jerry Murphy** is the Director of Development for the Police Executive Research Forum (PERF). He manages a variety of projects focusing on research, training, and technical assistance for law enforcement agencies and oversees the development of new project ideas. In his 15 years at PERF, Mr. Murphy has held a number of positions, including Deputy Director of Research, Senior Research Associate, and Research Associate. He has authored and co-authored more than a dozen publications, including *2011 Electronic Control Weapons Guidelines*, recently published by the Office of Community Oriented Policing Services. Mr. Murphy also spent 12 years with the Baltimore County Police Department as Assistant to the Chief and then Director of Planning and Research. He holds a master's degree in public policy.

**Daniel S. Nagin** is the Teresa and H. John Heinz III University Professor of Public Policy and Statistics in the Heinz College, Carnegie Mellon University. He is an elected Fellow of the American Society of Criminology and of the American Society for the Advancement of Science and is the 2006 recipient of the American Society of Criminology's Edwin H. Sutherland Award. His research focuses on the evolution of criminal and antisocial behaviors over the life course, the deterrent effect of criminal and noncriminal penalties on illegal behaviors, and the development of statistical methods for analyzing longitudinal data. His work has appeared in numerous journals and reviews. He is also the author of *Group-based Modeling of Development* (Harvard University Press, 2005).

**Mark Nelson** is a Senior Program Manager in the Office of Investigative and Forensic Sciences at the National Institute of Justice (NIJ) and is responsible for the formula grant awards NIJ makes to DNA crime labs for capacity building and backlog reduction. He recently authored “Making Sense of DNA Backlogs: Myths vs. Reality,” an *NIJ Special Report*.

**Reta Newman** is the Director of the Pinellas County Forensic Laboratory. Her primary areas of research and publications have been adsorption efficiency in fire debris analysis and data interpretation using mass spec. She has developed and taught numerous workshops in the fire debris analysis discipline. She co-authored two books, *GC-MS Guide to Ignitable Liquids* and *Fire Debris Analysis*, as well as several chapters in three other related textbooks.

**Phyllis Newton** is the Director of the Office of Research and Evaluation at the National Institute of Justice, where she oversees social and behavioral science research and evaluation activities. Ms. Newton has worked as a Senior Research Associate at Abt Associates and Senior Research Scientist at NORC at the University of Chicago. She previously served as Special Assistant and Communications Director at the Federal Bureau of Prisons and Staff Director of the U.S. Sentencing Commission. Her research interests include examination of the Federal death penalty, human trafficking, sentencing, and corrections.

**Minh Nguyen** is a Program Manager in the Office of Investigative and Forensic Sciences at the National Institute of Justice. Her responsibilities include managing the Forensic DNA Research and Development program as well as part of the Forensic DNA Backlog Reduction programs. She previously worked at a private forensic DNA laboratory. Prior to her work in DNA forensics, Ms. Nguyen contributed to the Human Genome Project sequencing of Chromosome 10. She holds a bachelor's degree in biomedical engineering from The Johns Hopkins University.

**Kurt B. Nolte** is a board-certified Forensic Pathologist. He is the Assistant Chief Medical Investigator, Professor of Pathology, and Assistant Vice President for Research at the New Mexico Office of the Medical Investigator and University of New Mexico Health Sciences Center. Additionally, Dr. Nolte is the Executive Vice President for the National Association of Medical Examiners. He has more than 23 years of experience in forensic pathology with many research publications. Dr. Nolte is the principal investigator of a National Institute of Justice-funded study to evaluate the utility of postmortem x-ray computed tomography (CT) in supplanting or supplementing medicolegal autopsies.

**Katey Nori** is a Senior Supervisor in the High Sensitivity Team (Low Copy Number) at the New York City Office of Chief Medical Examiner (NYC OCME). As a Senior Supervisor, she has testified in more than 20 cases and is qualified as an expert in High Sensitivity DNA testing, analysis, and interpretation. During her early years at the NYC OCME, she worked in the Homicide and Sex Crimes Team. Prior to working at the NYC OCME, Ms. Nori was a Medical Technologist for the Temple University Hospital Episcopal Campus clinical laboratory. She has a master of science in forensic science with a concentration in forensic biology from Arcadia University and a bachelor's degree in biology from LaSalle University.

**Brigid F. O'Brien** is a Program Manager in the Office of Investigative and Forensic Sciences at the National Institute of Justice. Ms. O'Brien's responsibilities include managing the Forensic Science Training Development and Delivery Program, as well as the Instrumental Analysis Portfolio. Before joining the Department of Justice, she worked as a postdoctoral research associate at The Johns Hopkins University (JHU) focusing on surface science and magnetoelectronics. Prior to her work at JHU, her research focused on chemical education and materials chemistry. Ms. O'Brien holds a doctorate in materials science and engineering from JHU and a bachelor's degree in chemistry from the University of Massachusetts, Amherst.

**Bruce Ohr** is Chief of the Organized Crime and Gang Section in the Criminal Division of the U.S. Department of Justice (DOJ). From 1999 to 2010, he was Chief of the Organized Crime and Racketeering Section in the Criminal Division of the DOJ. Prior to that, Mr. Ohr was an Assistant U.S. Attorney in the U.S. Attorney's Office for the Southern District of New York from 1991 to 1999 and was Chief of the Violent Gangs Unit in that office from 1998 to 1999. He was an associate at the San Francisco law firm of Orrick, Herrington & Sutcliffe from 1988 through 1991. Mr. Ohr has a physics degree from Harvard College and a law degree from Harvard Law School.

**Bob Osborne**, a 36-year Los Angeles County Sheriff's Department veteran, is a Commander in the Department's Homeland Security Division. Since 2008, he has led the Department's Technology Exploration Program. He previously was a Commander in the Detective Division for 3 years. Commander Osborne is a charter member of the National Institute of Justice (NIJ) Pursuit Management Technology Working Group and served as principle author of the groundbreaking *Report of the Pursuit Management Task Force* (1998). Commander Osborne serves on NIJ's Sensors and Surveillance and Less Lethal Technology Working Groups and is a member of the Law Enforcement and Corrections Technology Advisory Council.

**Brian Ostrom** is a Principal Court Research Consultant with the National Center for State Courts (NCSC) in Williamsburg, VA. Since joining the NCSC in 1989, his main research activities have focused on the study of felony sentencing and the development of structured sentencing systems, civil justice reform, the methodology of judge and staff workload assessment, and court organizational development and performance assessment. In addition, he teaches in the Economics Department at the College of William and Mary and is a faculty member of the Institute for Court Management. Prior to joining the NCSC, Dr. Ostrom worked as a Research Analyst for the Michigan State Court Administrative Office.

**Mark Perlin** is a Researcher at Cybergenetics. His research centers on computer interpretation of DNA evidence. He has been working in computational genetics for 20 years and invented linear mixture analysis for solving DNA mixtures. Dr. Perlin's team at Cybergenetics develops the courtroom-tested TrueAllele® system for inferring probabilistic genotypes and matching them. Cybergenetics reinterpreted the DNA in the World Trade Center mass disaster, fully using the STR and kinship data to help identify victim remains. His scientific goal is to ensure that interpretation of DNA evidence preserves maximal identification information. Dr. Perlin holds doctoral degrees in mathematics, medicine, and computer science.

**Alicia Peters** is an Assistant Professor of Anthropology at the University of New England. Her research examines how cultural understandings of gender and sexuality influence conceptions of human trafficking and the implementation of U.S. anti-trafficking law and policy. Her research has been funded by the National Institute of Justice, the National Science Foundation, and the Wenner-Gren Foundation. She is currently working on a book manuscript about the effects of the Trafficking Victims Protection Act on trafficked people and her doctorate from Columbia University.

**Joseph L. Peterson** is Professor and Director of the School of Criminal Justice and Criminalistics at California State University, Los Angeles. His research has examined how the criminal justice system uses (and misuses) forensic evidence and the impact that evidence has on case decisionmaking. He has also completed surveys of crime laboratories for the Bureau of Justice Statistics, documenting high caseloads, long backlogs, and severe resource shortages. He recently completed a National Institute of Justice (NIJ) multisite study examining the role and impact of forensic evidence on the criminal justice process. Presently, he is finishing an NIJ study of sexual assault kit backlogs in the city and county of Los Angeles.

**Carol Petrie**, an expert in the field of criminal justice research and program development, serves as Senior Researcher (in drugs and victims) for the Office of Justice Program's CrimeSolutions.gov project. For more than 35 years, 24 years at the National Institute of Justice and the Bureau of Justice Statistics and 12 years at the National Research Council (NRC), she has worked in the areas of criminal justice research, statistics, program development, and public policy. She was Director of the Committee on Law and Justice, a standing committee of the NRC at the National Academy of Sciences. She is the author/editor of eight NRC reports.

**Leigh Phoenix** is a Professor at Sibley School of Mechanical and Aerospace Engineering, College of Engineering at Cornell University. He received the Fiber Society Award for Distinguished Achievement in Basic or Applied Fiber Science (1983). He was cited for research on the mechanics of textile structures and the modeling of the strength and fatigue of fiber assemblies; the Harold DeWitt Smith Award, American Society for Testing and Materials (1992), for contributions to the statistical theory of failure of multi-component fiber assemblies and dedication to the teaching of theoretical mechanics; and the National Aeronautics and Space Administration's National Engineering Safety Center (NESC) Engineering Excellence Award (2005), for engineering excellence on the NESC Composite Overwrapped Pressure Vessels Assessment Team.

**Daniele Podini** is Assistant Professor of Forensic Molecular Biology at The George Washington University, Department of Forensic Sciences. He received his B.S. in biology and M.S. in molecular biology from the University of Parma, Italy, and then specialized in Applied Genetics (doctoral degree equivalent) at the University "La Sapienza" in Rome. He also earned a bachelor's degree in biology section of the Scientific Department of the Carabinieri, which is an Italian military Armed Force with law enforcement duties. Later, Dr. Podini directed the Forensic Section of 'Genoma,' a private molecular biology laboratory in Rome.

**Edward “Chip” Pollock** is a Supervising Criminalist for the Sacramento County District Attorney’s Office Laboratory of Forensic Services with more than 19 years of experience in forensic science. His areas of expertise include analyses of fiber, paint and polymer, fire debris, and gunshot residue, as well as forensic microcopy, crime scene processing, and crime scene reconstruction. Mr. Pollock is a member of the Elemental Analysis Working Group. He is also an Instructor for the Homicide Course presented by the Institute of Criminal Investigation and is a Lecturer in the California Criminalistics Institute Fiber Identification and Comparison Course. He has a bachelor’s degree in biochemistry and a Fellow certification in general criminalistics from the American Board of Criminalistics.

**Edward E. Rhine** is Deputy Director, Office of Offender Reentry, Ohio Department of Rehabilitation and Correction. Dr. Rhine’s career has included leadership and management positions in both juvenile and adult corrections. He was formerly the Chairperson of the Release Authority and Deputy Director of Parole, Courts, and Community Services for the Ohio Department of Youth Services. Prior to that, he served as the Director of Field Operations for the Georgia Board of Pardons and Paroles. Dr. Rhine has written and edited numerous publications addressing the history and practice of paroling authorities, the impact of due process on prison discipline, leadership, and change issues in probation and parole, offender reentry, and “best practices” in corrections. Recently, he co-authored an article that appeared in the *Criminal Law Bulletin* with Anthony C. Thompson called “The Reentry Movement in Corrections: Resiliency, Fragility and Prospects.” Dr. Rhine teaches part-time in the Sociology Department at Ohio State University.

**Irma Rios** is the Crime Lab Director for the Houston Police Department with 26 years of experience working in forensic crime laboratories. She led the first accreditation of the crime lab in Houston and has conducted numerous accreditation inspections across the country and overseas. She teaches a capital punishment clinic at the University of Texas Law School and has testified before the State legislature on post-conviction DNA testing and the necessity of crime lab accreditation.

**Nancy Ritter** is a Writer and Editor for the National Institute of Justice’s (NIJ’s) Office of Communications and has won a number of awards, including a 2008 “Golden Quill” from the International Association of Business Communicators. Her work as a legal journalist has been recognized by the Society of Professional Journalists, including a first-place award for science and technology writing in 2003. Ms. Ritter is one of the editors of the forthcoming NIJ/Centers for Disease Control and Prevention book *Principles of Gang Membership Prevention* (working title). Before going into journalism, she worked in the legal field, specializing in criminal defense and civil rights litigation.

**Cassandra Robinson** is a Program Manager in the Research and Development Engineering Directorate of the Savannah River National Laboratory. She primarily supports the National Institute of Justice (NIJ) Standards and Testing Program in the development of standards, conformity assessment requirements, and user guides. She also supports the Department of Homeland Security Science and Technology Directorate as the lead for the Wildfire Ignition Resistant Home Design project. She is a member of the ASTM International E.54 Committee on Homeland Security Applications and is a subject matter expert for the InterAgency Board. She has a master’s degree in industrial and systems engineering and a bachelor’s degree in electrical engineering.

**Laurie O. Robinson** was sworn in as Assistant Attorney General on November 9, 2009. As Assistant Attorney General, she has overseen the implementation of the \$2.7 billion in programs for which Congress assigned responsibility to the Office of Justice Programs (OJP) under the American Recovery and Reinvestment Act; launched a new, agency-wide Evidence Integration Initiative to help ensure science-based approaches in OJP-funded programs; and held a series of “listening sessions” with State and local constituents to learn how OJP can better serve the field. She has published numerous articles and spoken at hundreds of criminal justice-related conferences and forums. Ms. Robinson is a magna cum laude graduate of Brown University and a member of Phi Beta Kappa.

**John K. Roman** is a Senior Fellow in the Justice Policy Center at the Urban Institute, where his research focuses on evaluations of innovative crime control policies and justice programs. Dr. Roman is directing studies of the use of DNA to aid law enforcement investigations, rates of wrongful conviction, prisoner reentry, drug courts, and social impact bonds. He is editor of *Cost Benefit Analysis and Crime Control* and *Juvenile Drug Courts and Teen Substance Abuse*, has authored dozens of scholarly articles and book chapters, and serves as a Lecturer at the University of Pennsylvania.

**Kristina Rose** is the Deputy Director for the National Institute of Justice (NIJ) and oversees investigative and forensic sciences, office operations, and internal and external communications. Previously, Ms. Rose served as NIJ's Acting Director and Senior Advisor to the Director. Prior to that, she served as the Chief of Staff at the U.S. Department of Justice's Office on Violence Against Women. Ms. Rose has spoken and written extensively on sexual assault and stalking issues. She helped develop a protocol and training practicum on sexual assault forensic examinations and is a co-author of *Stalking Victimization in the U.S.* Ms. Rose has master's degree in criminal justice from Northeastern University and a bachelor's degree in sociology from George Mason University.

**Dennis Rosenbaum** is Professor of Criminology, Law and Justice and Director of the Center for Research in Law and Justice at the University of Illinois-Chicago. His research focuses on innovations in policing, the measurement of organizational/officer behavior, public safety partnerships, and school- and community-based prevention. Dr. Rosenbaum is the Principal Investigator for the National Police Research Platform, a project funded by the National Institute of Justice to advance knowledge and practice in American policing. He is the U.S. representative on the Scientific Committee of the International Center for the Prevention of Crime and a Fellow in the Academy of Experimental Criminology.

**Robert J. Sampson** is the Henry Ford II Professor of the Social Sciences and former Chair of the Department of Sociology at Harvard University. Currently he is Visiting Scholar at the Russell Sage Foundation in New York City. The American Society of Criminology awarded Professor Sampson the Edwin H. Sutherland Award in 2002, and elected him President in 2010. He is the 2011 recipient of the Stockholm Prize in Criminology along with his long-term colleague, John H. Laub. A member of the National Academy of Sciences, Professor Sampson has published widely and recently completed a book based on 15 years of research from the Project on Human Development in Chicago Neighborhoods, *Great American City: Chicago and the Enduring Neighborhood Effect*, forthcoming in 2011.

**Sally Schaeffer** is a Public Policy Advocate in the Washington, DC, Policy Office of the Family Violence Prevention Fund. Previously, she served as Chief of Staff to U.S. House of Representatives Member Louise Slaughter (D-NY), Ranking Member of the House Rules Committee. Prior to becoming the Congresswoman's Chief of Staff, Ms. Schaeffer served as her Legislative Director. After her 7 years on Capitol Hill, Ms. Schaeffer worked as the Political Director for Democratic Congressional candidate Lois Murphy in the Sixth Pennsylvania District. Ms. Schaeffer began her career on Capitol Hill working in the office of former Congressman Frank Mascara (D-PA). Ms. Schaeffer holds a master's degree in public administration from the University of Pennsylvania and a bachelor's degree in political science from Hood College.

**Bill Schrier** is the Chief Technology Officer for the City of Seattle and Director of the City's Department of Information Technology. Mr. Schrier is Chair of the Broadband Committee of the Association of Public Safety Communications Officials, a member of the Public Safety Advisory Committee to the Federal Communications Commission's Emergency Response Interoperability Center, and Chair of the Public Safety Spectrum Trust Operator Advisory Committee. He writes a blog ([www.digitalcommunitiesblogs.com/CCIO/](http://www.digitalcommunitiesblogs.com/CCIO/)) about the intersection of information technology and Government and tweets at [www.twitter.com/billschrier](http://www.twitter.com/billschrier). Mr. Schrier is a retired officer with the U.S. Army Corps of Engineers. He holds a master's degree in public administration from the University of Washington.

**John E. Shanks** is the Director of Law Enforcement Relations at the National Law Enforcement Officers Memorial Fund (NLEOMF), Washington, DC. He oversees all law enforcement relations for the NLEOMF and the National Law Enforcement Museum, which he also represents at law enforcement conferences, meetings, and functions throughout the United States. Mr. Shanks, a former Texas Peace Officer, has served in many roles, including Patrolman, Sergeant Detective, and Acting Chief. He has also served in the U.S. Air Force as a Law Enforcement Specialist and has worked as a Lobbyist on law enforcement issues in Washington, DC, and State legislatures across America.

**Thomas Sharkey** is a Sergeant and Bomb Squad Commander with the Metro Transit Police Department (MTPD) in Washington, DC. Previously, he served as a Special Response Team Commander and an Evidence Technician and worked with the Transportation Security Administration on their Bomb Squad Response to Mass Transit Incidents and Response program. He helped develop the new National Institute of Justice Bomb Suit Standard for Public Safety. He serves on the National Bomb Squad Commanders Advisory Board and is a member of the strategic planning subgroup on the Interagency Board. He is a certified Bomb Technician, a Federal Bureau of Investigation-certified Post Blast Instructor, and a Firearms Instructor. He has a bachelor's degree in police science from George Mason University.

**Steve Siegal** is the Director of the Special Programs Unit at the Denver District Attorney's Office, which includes administration of the Denver Victim Assistance Law and Enforcement Board, as well as the Cold Case DNA Project, Witness Protection Program, Victim Services Network, Juvenile Diversion Program, Domestic Violence Fast Track Program, Community Advocacy Program, Communities Against Senior Exploitation, and Courtrooms to Classrooms. Mr. Siegal is the former Chair and is a current member of the Governor's Advisory Council on Victims of Crime. He was recently appointed by the Governor as a founding member of the Colorado Criminal Justice Commission. He has helped develop interagency protocols that have been replicated nationwide on domestic violence, sexual assault, child abuse, and victimization of the elderly and disabled.

**Michael Sigman** is Associate Professor and National Center for Forensic Science (NCFS) Assistant Director for Physical Evidence at the University of Central Florida. From 1986 to 1989, he held a National Institutes of Health Postdoctoral Fellowship at the University of Illinois and the University of Chicago. After spending 1 year at Dow Chemical Co., he moved to Oak Ridge National Laboratory. Dr. Sigman received his doctorate degree in organic chemistry from Florida State University.

**Thomas R. Simon** is the Deputy Associate Director for Science within the Division of Violence Prevention in the National Center for Injury Prevention and Control at the Centers for Disease Control and Prevention. He has worked for the Division of Violence Prevention for the past 15 years and has published extensively on the topics of youth violence and suicide prevention. Dr. Simon has served as a scientific advisor on multiple etiologic studies examining risk and protective factors for aggressive and suicidal behavior and longitudinal evaluations of violence and suicide prevention programs.

**Marcella Sorg** is a Research Associate Professor at the University of Maine and serves as Forensic Anthropologist for the Offices of the Chief Medical Examiner in Maine, New Hampshire, and Delaware. Dr. Sorg has authored and co-edited a number of books and articles on forensic anthropology and taphonomy. Her current research, funded in part by the National Institute of Justice, focuses on taphonomic approaches to remains exposed in outdoor scenes and the estimation of post-mortem interval. She received her doctorate degree in physical anthropology from The Ohio State University and is certified by the American Board of Forensic Anthropology.

**Cassia Spohn** is a Professor in the School of Criminology and Criminal Justice at Arizona State University, where she also serves as the Director of Graduate Programs. She has co-authored five books, including *The Color of Justice: Race, Ethnicity, and Crime in America* and *How Do Judges Decide? The Search for Fairness and Justice in Punishment*. Dr. Spohn has published extensively on prosecutors' charging decisions in sexual assault cases, the effect of race/ethnicity and gender on sentencing decisions, sentencing of drug offenders, and the deterrent effect of imprisonment. She is working on a National Institute of Justice-funded study of police decisionmaking in sexual assault cases in Los Angeles.

**Kristin Stainbrook** is Assistant Director of Research at Advocates for Human Potential, with expertise in quantitative and qualitative methods, outcome studies, research instrument design, data collection, and analysis. Dr. Stainbrook is Principal Investigator on the Center for Mental Health Services' (CMHS') Cross-Site Evaluation of the Jail Diversion and Trauma Recovery Program and Data Collection Team Leader on the Center for Substance Abuse Treatment's (CSAT's) Cross-Site Grants for the Benefit of Homeless Individuals Evaluation. She was the Project Director for the CMHS/CSAT Homeless Families Initiative and an evaluation staff member on the National Evaluation of the Substance Abuse and Mental Health Services Administration Co-Occurring State Incentive Grant program.

**Greg Steintal** is Founder and President of StereoVision Imaging. For the National Institute of Justice, his company is developing a handheld binocular device with integrated electronics to automatically identify individuals at ranges of up to 100 m in uncontrolled exterior lighting outside.

**Debra Stoe** is the Program Manager for the National Institute of Justice's (NIJ's) Body Armor and Standards and Testing programs within the Office of Science and Technology. Previously, Ms. Stoe worked as a Social Scientist in the NIJ's Crime Mapping and Analysis Program and as an Industrial Engineer with Pratt & Whitney. Her areas of interest include standards development, certifications programs, test methodologies, and Indian Country research. Ms. Stoe received her master's degree in applied anthropology and her bachelor's degree in anthropology from the University of Maryland, College Park, as well as a bachelor's degree from Columbus State University in Columbus, GA.

**Christina Swarns** is the Director of the Criminal Justice Practice at the National Association for the Advancement of Colored People Legal Defense and Education Fund (LDF). Prior to joining the LDF in 2003, Ms. Swarns worked as a Supervising Assistant Federal Defender in the Capital Habeas Corpus Unit of the Philadelphia Federal Defender. In that capacity, she represented numerous Pennsylvania death-sentenced prisoners in their State post-conviction and Federal habeas corpus appeals. She was one of the attorneys who represented Nicholas Yarris, the first death-sentenced prisoner in Pennsylvania to be exonerated by DNA evidence. Prior to joining the Federal Defender, Ms. Swarns worked as a Staff Attorney at the Legal Aid Society, Criminal Defense Division in Manhattan.

**Joan L. Sweeney** is Co-Director of the Teaching Police Department Initiative at the Roger Williams University School of Justice Studies. She has more than 20 years of experience in public safety change efforts. She has worked with more than 300 police departments and communities, specializing in collaboratively designing, developing, and implementing effective, complex change efforts. Other specialties include change management, organizational culture and learning, and innovative leadership development programs. Her work is recognized by the American Psychological Association, the Carnegie Corporation, the NYNEX City Excellence Awards, the Patton Commission on Police Reform, the U.S. Congress, the National Governors' Association, and the U.S. Conference of Mayors. Dr. Sweeney holds a doctorate degree in psychology.

**Bruce Taylor** is a Principal Research Scientist with the National Opinion Research Center at the University of Chicago. He has conducted studies on violence prevention, violent offenders, victimization, and the policing and dynamics of drug markets. In the area of youth dating violence prevention, Dr. Taylor conducted experimental studies in middle schools in the Cleveland area (2005–2007) and New York City (NYC) (2008–2010). He has received funding from the National Institute of Justice for a new 3-year dating violence experimental evaluation in NYC. His prior research has included experiments on reducing repeat adult violence through victim-based domestic violence prevention programs and batterer treatment programs. He received his doctorate from Rutgers University in 1996.

**Katharine Tellis** is a Social Worker and Criminologist. Her areas of interest include violence prevention, evaluation research, and constitutional policing. Her doctoral dissertation focused on sexual assault in the context of domestic violence, and she began working with law enforcement in 2008 as a Consultant on the Los Angeles City and County Gang and Violence Reduction Strategies.

**Phil Thompson** currently supports both the Explosive Ordnance Disposal/Low-Intensity Conflict (EOD/LIC) Program and the Improvised Device Defeat Subgroup within the Technical Support Working Group (TSWG) at the Combating Terrorism Technical Support Office. He has served as a member of the Blast Effects Subgroup within TSWG. Mr. Thompson served more than 21 years in the U.S. Marine Corps, retiring as a Master Sergeant and Master EOD Technician. He served in Operation Desert Shield/Desert Storm, Operation Enduring Freedom, and Operation Iraqi Freedom. His decorations include the Combat Action Ribbon and a Meritorious Service Medal. Mr. Thompson has a bachelor's degree in criminal justice from Park University.

**Patrick Tolan** is the Director of Youth-Nex, a transdisciplinary cross-campus center started in 2009 by the University of Virginia. Youth-Nex is devoted to promoting healthy youth development through focused research, training, and service on what promotes health and well-being and reduces risks for youth nationwide, while emphasizing application for local and State initiatives as well. Dr. Tolan is appointed as Professor, Curry School of Education and the Department of Psychiatry and Neurobehavioral Sciences. He is a frequent contributor to the scientific literature, having published more than 140 articles and chapters and six books. He is a leader in advancing the application of research to practice and has secured more than \$35 million in research funding.

**Ryan Tomcik** is a Senior Consultant in the Office of Investigative and Forensic Sciences at the National Institute of Justice. As a contractor with Booz Allen Hamilton, he provides technical expertise and programmatic support to the Forensic Science Research and Development Program. Mr. Tomcik is currently enrolled at George Mason University, where he is pursuing his master's degree in computer forensics. He holds two bachelor's degrees in chemistry and forensic chemistry from West Virginia University.

**Bill Troup** serves at the U.S. Fire Administration managing research programs in Firefighter Health and Safety. He works with Officer Safety and Protective Technology Technical Working Group, National Institute of Justice, the U.S. Department of Justice, for law enforcement and correctional officer health and safety. He currently serves as a Firefighter and Emergency Medical Service (EMS) Responder and has served as Assistant Fire Chief. He has numerous fire and EMS professional certifications, and he was awarded the EMS 10: Innovators in EMS 2008 by the *Journal of Emergency Medical Services Magazine*. Mr. Troup has a master's degree in business administration, and he is a veteran of the U.S. Air Force.



**Linda Truitt** is a Senior Social Science Analyst in the Office of Research and Evaluation and manages the National Institute of Justice's (NIJ's) criminal courts, drugs, and crime research portfolios. These include the Multi-site Adult Drug Court Evaluation, Delaware Department of Correction's Decide Your Time field experiment, a Red Hook Community Court evaluation, and studies of prosecutorial discretion, strength of evidence, relapse and recidivism at reentry, failure to appear during pretrial release, and sentencing alternatives for drug offenders. Dr. Truitt's prior research projects include adult and family drug court evaluations; heroin and methamphetamine trafficking, production, and markets research; the Arrestee Drug Abuse Monitoring program; and sentencing guideline research.

**Chris Uggen** is a Distinguished McKnight Professor and Chair of Sociology at the University of Minnesota. He studies life course criminology, law, and deviance, believing that good social science can light the way to a more just and safer world. His work appears in journals such as the *American Sociological Review*, *American Journal of Sociology*, and *Law & Society Review* and in media such as the *New York Times*, *The Economist*, and *NPR*. With Jeff Manza, he wrote *Locked Out: Felon Disenfranchisement and American Democracy*. Mr. Uggen also serves as Editor of *Contexts*, the American Sociological Association's public outreach magazine.

**Roberta Valente** serves as General Counsel to the National Network to End Domestic Violence. She also serves as a part-time Senior Policy Advisor to the Domestic Violence Resource Network. Previously, she was Assistant Director of the Family Violence Department of the National Council of Juvenile and Family Court Judges. She also served as a Consultant or Advisor on civil legal issues regarding domestic violence for various organizations, including the Alaska Native Women's Coalition. She served as a lead coordinator of the legislative work to develop the Violence Against Women Act of 2005. She has also served as Attorney Advisor to the Office on Violence Against Women, and she was Founding Director of the American Bar Association Commission on Domestic Violence.

**Robert K. Valenzuela** is a Postdoctoral Research Assistant at the Marshfield Clinic Research Foundation. He received his doctorate degree in genetics from the University of Arizona under the mentorship of Dr. Murray H. Brilliant. The focus of his dissertation research was the development and validation of human pigmentation prediction models (hair, skin, and eyes) that was funded by the National Institute of Justice. The prediction models he developed were published in the *Journal of Forensic Sciences* (Valenzuela et al. 2010); the follow-up validation of these models has recently been submitted for publication in the *Journal of Forensic Sciences*.

**Lisa Walbolt Wagner** is a Research Associate with the Justice Research and Statistics Association (JRSA). Ms. Wagner manages the JRSA's Domestic Violence and Sexual Assault Data Resource Center providing information on how data are collected and used in the States. The Center provides information to researchers, practitioners, and members of the public interested in finding, using, or understanding domestic and sexual violence and stalking data. She also manages the Juvenile Accountability Block Grants Technical Support Center, the Juvenile Justice and Delinquency Prevention Act Native American Pass-Through Calculation website, and the Incident-Based Reporting Resource Center. Ms. Wagner completed her graduate studies at American University in Washington, DC, and received her undergraduate degree from the University of North Carolina in Chapel Hill.

**Eric D. Wetzel** is Material Mechanics Team Leader for the Multifunctional Materials Branch of the Materials and Manufacturing Sciences Division at the U.S. Army Research Laboratory. Among his research interests are ballistic textiles, multifunctional composite materials, and bio-inspired materials and systems. Dr. Wetzel has co-authored more than 35 peer-reviewed journal publications and book chapters and 50 conference proceedings articles. He holds nine patents. In 2002, Dr. Wetzel's research on shear thickening fluid-treated protective fabrics was awarded the Paul A. Siple award, the U.S. Army's highest recognition for excellence in scientific research. He received his doctorate's degree in mechanical and industrial engineering from the University of Illinois at Urbana-Champaign and his bachelor's degree in mechanical engineering from the University of Delaware.

**Jeffrey W. White** supports Booz Allen Hamilton's U.S. Department of Justice (DOJ) Business Analytics services. He brings in-depth experience in strategic management, regulatory impact analysis, financial management, and investment decision analysis. He has led numerous DOJ projects in a variety of management roles with experience in conducting DOJ research projects and policy regulation assessments. As a certified Project Management Professional, he has provided program management and analytical support for a wide variety of Federal programs and initiatives, as well as congressional legislation. Mr. White has a graduate degree from The Johns Hopkins School of Advanced International Studies and was a Peace Corps Volunteer in the Republic of Chad.

**Ron Whitener** is Director of the Tribal Court Public Defense Clinic and Assistant Director of the Native American Law Center at the University of Washington School of Law. Previously, he worked as a Tribal Attorney for the Squaxin Island Tribe, of which he is a member, and represented the tribal government in treaty rights defense, gaming and enterprises, and infrastructure development. He later worked at the Northwest Justice Project's Native American Unit in Seattle and headed the Indian Law Clinic. He is also an Associate Justice of the Northwest Intertribal Court of Appeals, a Judge of the Confederated Tribes of the Chehalis Reservation, and Of Counsel with Foster Pepper PLLC.

**Carl Wicklund** is the Executive Director of the American Probation and Parole Association. He has extensive experience in program development and management of private and public correctional and human service programs and agencies dealing with adult and juvenile offenders. Mr. Wicklund is a longstanding member of the U.S. Department of Justice's Global Justice Information Sharing Initiative Advisory Committee and the recipient of numerous awards, including the Gisela Konopka Award, the U.S. Congressional Crime Victims' Rights Caucus Allied Professional Award, and the Justice Leadership Award.

**James Wilcox** is the Business Development Manager at Avon Protection Systems. He has 8 years' experience in military and commercial product development within the field of respiratory protection. He previously had engineering responsibilities at Avon Protection for the delivery of the M50 (JSGPM) and M53 mask programs for the U.S. Department of Defense. More recently, he has been involved in the development of novel escape devices and powered air units for CBRN protection. He is currently focused on new business development and external program management for existing and new markets. Formerly, he worked for Dyson Ltd, UK, as a Product Development Manager for vacuum cleaner and robotic programs. He holds a bachelor's degree in Industrial Design from Brunel University, London, UK.

**Carrick Williams** is an Assistant Professor of psychology at Mississippi State University specializing in visual cognitive processing. Dr. Williams' research focuses on how ongoing cognitive processes influence and are influenced by the visual processing of objects and scenes. He is particularly interested in how ongoing distractions influence driver behavior.

**Elisa Wurmbach** is a Molecular Biologist and received her doctorate degree in genetics. During her first postdoctoral position at the European Molecular Biology Laboratory in Heidelberg, she was involved in the sequencing of Arabidopsis and developed microarray-methods. In 2000, she moved to the United States and generated the first microarray at the Mount Sinai School of Medicine. She specialized in genomics and data analysis. In 2007, she joined the New York City Office of Chief Medical Examiner as a Research Scientist and initiated the pigmentation project. She develops novel DNA tests that use inherent information to make predictions of visible characteristics.

**Phelan Wyrick** is a Senior Advisor to the Assistant Attorney General for the Office of Justice Programs (OJP) in the U.S. Department of Justice (DOJ). He joined DOJ in 1998 and has held senior positions in the National Institute of Justice and the Office of Juvenile Justice and Delinquency Prevention. In 2007, he was the recipient of the Attorney General's Award for Outstanding Contributions to Community Partnerships. Dr. Wyrick currently leads OJP's Evidence Integration Initiative. Prior to joining DOJ, Dr. Wyrick served as a Research Associate in the City of Westminster Police Department in Orange County, CA.

**May Yuan** is an Edith Kinney Gaylord Presidential Professor and Brandt Professor of Atmospheric and Geographic Sciences, the Director of the Geoinformatics Program, and the Director of the Center for Spatial Analysis at the University of Oklahoma. She is a member of several committees, including the Mapping Science Committee at the National Academy of Sciences. She is also American Editor of the *International Journal of Geographical Information Science*, a member of two editorial boards, and President of the University Consortium of Geographic Information Science. She earned doctorate and master's degree in geography from the State University of New York at Buffalo and a bachelor's degree in geography from National Taiwan University.

**Kristen Zgoba** is Supervisor of Research and Evaluation for the New Jersey Department of Corrections, Office of Policy and Planning, and Co-Chair for the Department's Research and Review Board. She is also the Internship Coordinator between Rutgers University and the New Jersey Department of Corrections. She serves on the Board of Directors at the American Correctional Association and on the Rutgers University Institutional Review Board. She received two National Institute of Justice (NIJ) grants to test the effectiveness of New Jersey's Megan's Law and examine the utility of the Sex Offender Registration and Notification Act guidelines. She also serves as a Consultant on two NIJ grants awarded to the University of Louisville and John Jay College of Criminal Justice and on a Hartford Foundation grant.

**Marvin C. Ziskin** is a Professor in Radiology and Medical Physics and the Director of the Center for Biomedical Physics at Temple University. His research interests include many areas within biomedical engineering with a special interest in ultrasound, millimeter waves, and other non-ionizing radiation. From 1965 to 1966, he was a Research Associate in Diagnostic Ultrasound at Hahneman Medical College. He completed a 2-year tour of duty at the U.S. Air Force Aerospace Medical Research Laboratories. Professor Ziskin received his doctorate of medicine and bachelor's degrees from Temple University and his master's degree in biomedical engineering from Drexel University.



**MONDAY, JUNE 20, 3:45 p.m.**

## **Forensic Science Poster Session**

Interact with DNA researchers and crime laboratory practitioners who will present recent findings and ongoing projects. The posters will showcase research and development efforts, success stories, techniques for improving laboratory efficiency, and technology solutions to routinely encountered challenges. All researchers and practitioners interested in learning from one another are encouraged to attend. You will have an opportunity to speak with the people who are involved in the work shown in the poster and discuss ways their work might help you with yours. The posters will remain on display throughout the conference.

Listing of posters and authors.

### **Researchers**

- **Abigail Bathrick**, Research Scientist, Bode Technology, Lorton, Virginia
- **Brittania Bintz**, Forensic Research Scientist, Forensic Science Program, Western Carolina University, Cullowhee, North Carolina
- **Eric Buel**, Director, Vermont Forensic Laboratory, Waterbury, Vermont
- **Cassandra Calloway**, Staff Scientist, Children's Hospital and Research Center, Oakland, California
- **Tania Chakrabarty**, Principal Investigator, Arryx, Inc., Chicago, Illinois
- **Christopher Cooney**, Director of Engineering, Akonni Biosystems, Frederick, Maryland
- **Michael Cox**, Professor, University of Wisconsin-Madison, Madison, Wisconsin
- **Ranyelle Craig**, Ph.D. Student, University of Connecticut, Storrs, Connecticut
- **Michael Donley**, DNA Analyst, Harris County Institute of Forensic Science, Houston, Texas
- **Erin Finehout**, Lead Engineer, General Electric Global Research, Niskayuna, New York
- **Kim Gorman**, Technical Leader, Paternity Testing Corporation, Columbia, Missouri
- **Thomas Hall**, Director, Development, Ibis Biosciences, Carlsbad, California
- **Micah Halpern**, Principal Scientist, GenSol Diagnostics, St. Cloud, Florida
- **Jessica Hart**, Research Assistant, George Washington University, Alexandria, Virginia
- **Lisa Hebda**, Graduate Research Assistant, Michigan State University, East Lansing, Michigan
- **Jodi Irwin**, Director of Research, Armed Forces DNA Identification Laboratory, Rockville, Maryland
- **Michael Jablecki**, Research Engineer, SAIC, San Diego, California
- **Milko Kermekchiev**, Chief Scientist, DNA Polymerase Technology, Saint Louis, Missouri
- **Kenneth Kidd**, Professor of Genetics, Psychiatry, and Ecology and Evolutionary Biology, Yale University, New Haven, Connecticut
- **Igor Lednev**, Associate Professor, Research Foundation of SUNY, Albany, New York
- **Kevin Legg**, Research Assistant, University of Denver, Denver, Colorado
- **Richard Li**, Associate Professor, John Jay College of Criminal Justice, New York, New York
- **Henry Lin**, Research Scientist, Oak Ridge National Laboratory, Edmonton, Alberta
- **Pam Marshall**, Professor, University of North Texas Health Science Center, Fort Worth, Texas
- **Richard Mathies**, Professor, University of California, Berkeley, Berkeley, California
- **Bruce McCord**, Professor, Florida International University, Miami, Florida

- **Cara Monroe**, Associate Researcher, Washington State University, Pullman, Washington
- **Amy Mundorff**, Assistant Professor, University of Tennessee, Knoxville, Tennessee
- **Amritha Premasuthan**, Junior Specialist, University of California, Davis, Davis, California
- **Evan Wong**, Ph.D. Student, University of Cincinnati, Cincinnati, Ohio
- **Cynthia Zeller**, Associate Professor, Towson University, Towson, Maryland
- **Bo Zhou**, City Research Scientist, City of New York, Office of the Chief Medical Examiner

## Practitioners (Agency Names)

### Alabama

- Alabama Department of Forensic Sciences

### Alaska

- State of Alaska Department of Public Safety

### Arizona

- Arizona Criminal Justice Commission
- Arizona Department of Public Safety
- Mesa Police Department Forensic Services
- Phoenix Police Department
- Scottsdale Police Department
- Tucson Police Department Crime Laboratory

### Arkansas

- Arkansas State Crime Laboratory

### California

- Alameda County
- California Department of Justice
- City and County of San Francisco
- City of Los Angeles
- City of Oakland
- City of San Diego
- Contra Costa County
- Fresno County Sheriff's Department
- Kern County
- Los Angeles County Sheriff's Department
- Orange County Sheriff–Coroner Department
- Sacramento County
- San Bernardino County
- San Diego County
- San Mateo County
- Santa Clara County
- Ventura County

### Colorado

- City and County of Denver
- Colorado Department of Public Safety

### Connecticut

- Department of Public Safety

### Delaware

- Delaware Health and Social Services

### District of Columbia

- Metropolitan Police Department

### Florida

- Broward Sheriff's Office
- Florida Department of Law Enforcement
- Miami Dade County
- Palm Beach County Sheriff's Office
- Pinellas County
- St. Lucie County Sheriff's Office

### Georgia

- Georgia Bureau of Investigation

### Hawaii

- City and County of Honolulu

### Idaho

- Idaho State Police

### Illinois

- DuPage County Office of The Sheriff
- Illinois State Police
- Northeastern Illinois Regional Crime Laboratory

### Indiana

- Indiana State Police
- Indianapolis–Marion County Forensic Services Agency

**Iowa**

- Iowa Department of Public Safety

**Kansas**

- Johnson County Kansas
- Kansas Bureau of Investigation

**Kentucky**

- Commonwealth of Kentucky

**Louisiana**

- Acadiana Criminalistics Laboratory
- Coroner Forensic Science Center, St. Tammany Parish
- Jefferson Parish Sheriff's Office
- Louisiana State Police
- North Louisiana Crime Lab
- Southwest Louisiana Criminalistics Laboratory

**Maine**

- Maine State Police

**Maryland**

- Anne Arundel County Maryland
- Baltimore County Maryland
- City of Baltimore
- Maryland State Police
- Montgomery County
- Prince George's County

**Massachusetts**

- City of Boston
- Massachusetts State Police

**Michigan**

- State of Michigan

**Minnesota**

- Hennepin County Minnesota
- Minnesota Department of Public Safety

**Mississippi**

- Mississippi Department of Public Safety

**Missouri**

- Board of Police Commissioners
- Missouri State Highway Patrol
- St. Charles County
- St. Louis County
- St. Louis Metropolitan Police Dept

**Montana**

- Montana Department of Justice

**Nebraska**

- Nebraska State Patrol

**Nevada**

- Las Vegas Metropolitan Police Department
- Washoe County Sheriff's Office

**New Hampshire**

- New Hampshire Department of Safety

**New Jersey**

- New Jersey Department of Law and Public Safety

**New Mexico**

- City of Albuquerque
- State of New Mexico

**New York**

- City of New York, Office of Chief Medical Examiner
- County of Erie
- County of Westchester
- Monroe County
- Nassau County
- New York State Police
- Onondaga, County of
- Suffolk County

**North Carolina**

- City of Charlotte
- North Carolina Department of Crime Control and Public Safety

**North Dakota**

- North Dakota

**Ohio**

- City of Columbus
- City of Mansfield
- Cuyahoga County Coroner's Office
- Hamilton County
- Montgomery County
- Stark, County of
- State of Ohio Office of The Attorney General

**Oklahoma**

- City Of Tulsa
- Oklahoma State Bureau of Investigation

**Oregon**

- Oregon State Police

**Pennsylvania**

- Allegheny County Pennsylvania
- City of Philadelphia
- Pennsylvania State Police

**Puerto Rico**

- Instituto de Ciencias Forenses

**Rhode Island**

- Rhode Island Public Safety Grant Administration Office

**South Carolina**

- Richland County Government
- South Carolina Law Enforcement Division

**South Dakota**

- Office of The Attorney General

**Tennessee**

- Tennessee Bureau of Investigations

**Texas**

- City of Austin
- City of Houston Police Department
- County of Bexar
- Harris County
- State of Texas
- Tarrant County
- University of North Texas Health Science Center at Fort Worth

**Utah**

- Utah Department of Public Safety

**Vermont**

- Vermont Department of Public Safety

**Virginia**

- Virginia Department of Forensic Science

**Washington**

- Washington State Patrol

**West Virginia**

- West Virginia State Police

**Wisconsin**

- Wisconsin Department of Justice

**Wyoming**

- Wyoming Office of the Attorney General



**TUESDAY, JUNE 21, 8:30 a.m.**

### **General Science Poster Session**

Enjoy breakfast and mingle with colleagues as you discuss the contents of more than 25 posters on a wide range of physical and social sciences. A special section will be devoted to learning more about National Institute of Justice and its divisions and activities. This breakfast poster session is an opportunity to view research in progress, nurture partnerships, and give feedback to one another.

The posters will be removed after the breakfast.

### **List of posters and authors**

1. **Kendon Conrad** and **Madelyn Iris**, Chestnut Health Systems and CJE Senior Life, "Elder Abuse Computerized Decision Support System"
2. **Michael Cox**, University of Wisconsin-Madison, "New Method for the Analysis of Highly Degraded Forensic DNA Samples"
3. **Gail Denson**, Florida Department of Corrections, "Correctional Operations Trend Analysis System (COTAS)"
4. **Edna Erez** and **Aaron Weisburd**, University of Illinois at Chicago, "Jihad, Crime and the Internet: A Study of Jihadist Websites"
5. **Edna Erez** and **Peter Ibarra**, University of Illinois at Chicago, "Implementing GPS Technology in Domestic Violence Cases: A Mixed Methods Evaluation Study"
6. **Abigail Fagan** and **Emily Wright**, University of South Carolina, "Contextual Effects of Exposure to Intimate Partner Violence on Adolescent Violence and Drug Use"
7. **Chris Gibson**, University of Florida, "The Influence of Neighborhood Context and Antisocial Propensity on Violent Victimization of Children and Adolescents in Chicago"
8. **Kirk Grates**, National Forensic Science Technology Center, "An Evaluation of a Field-Portable Near-Infrared Handheld for the Detection and Identification of Controlled Substances and Explosives"
9. **Jennifer Greaux**, Florida International University, "Method Development for the Rapid Separation and Detection of Organic Gunshot Residue by UPLC/MS"
10. **Nasir Hussain**, Combustion Science and Engineering, Inc., "Behavior of Energized and Non-Energized Electrical Wires in Fires"
11. **Phillip Kopp**, The City University of New York-John Jay College of Criminal Justice, "Is Burglary a Crime of Violence? An Analysis of National Data 1998–2007"
12. **Bruce Kubu**, Police Executive Research Forum, "Physical and Environmental Effects on the Performance of Body Armor"
13. **Xiaoming Liu**, GE Global Research, "Advanced Behavior Recognition in Crowded Environments"
14. **Kerriann Marden**, Tulane University, "Seasonal Differences in Scavenger Impacts and PMI Estimates in Two Maine Cases"
15. **Hillary Markert**, National Forensic Science Technology Center, "Comparison of Four Commercially Available Portable Raman Spectrometers"
16. **Vico Marziale**, Digital Forensic Solutions, "Automatic Acquisition and Reporting of Relevant Microsoft Windows Registry Contents"
17. **Atsushi Nara**, University of Oklahoma, "GPS Track Analysis to Facilitate Location-based Offender Monitoring"

18. **Robert O'Brien**, National Forensic Science Technology Center, "Do You Know How Much DNA You Really Have?"
19. **Daniel O'Connell**, University of Delaware, "Decide Your Time: Examining the Implementation of a Protocol of Swift and Certain Sanctions in an Urban Probation Department"
20. **Stuart Phoenix**, Cornell University, "Computational Modeling of Ballistic Impact and Implications for Developing Superior Materials for Body Armor"
21. **Melinda Richard**, Louisiana State Police Crime Laboratory, "Increasing Efficiency of the DNA Forensic Unit Using Lean Six Sigma"
22. **Marcella Sorg** and **Andrew Collar**, University of Maine, "Scavenger Guild Involvement with Pig Cadavers in the Maine Woods: Taphonomic Analysis"
23. **Marcella Sorg** and **Jamie Wren**, University of Maine, "Taphonomic Impacts of Scavenging in Northern New England"
24. **Christopher Sullivan**, University of Cincinnati, "An Integrated Assessment of Key Individual and Social Influences on the Onset and Continuance of Antisocial Behavior: Implications for Prevention"
25. **Ronald Tarr**, University of Central Florida, "Forensic Science E-Learning"
26. **Bill Troup**, United States Fire Administration, "Emergency Vehicle and Roadway Operations Safety Studies and Programs for Law Enforcement and the Fire Service"
27. **Mihran Tuceryan**, Indiana University-Purdue University Indianapolis, "A High Resolution 3D Impression Imaging Device"
28. **John Violanti**, State University of New York, Buffalo, "Is Police Suicide Higher Among Retired/Separated Officers? An Empirical Investigation"
29. **Billy Young**, National Forensic Science Technology Center, "Rapid Case Resolution through Innovative Collaboration: Missing and Unidentified Persons"

The National Institute of Justice is the research, development and evaluation agency of the U.S. Department of Justice.

NIJ's mission is to advance scientific research, development and evaluation to enhance the administration of justice and public safety.

The National Institute of Justice is a component of the Office of Justice Programs, which also includes the Bureau of Justice Assistance; the Bureau of Justice Statistics; the Community Capacity Development Office; the Office for Victims of Crime; the Office of Juvenile Justice and Delinquency Prevention; and the Office of Sex Offender Sentencing, Monitoring, Apprehending, Registering, and Tracking (SMART).

# JOIN THE ATTORNEY GENERAL!

Wednesday  
June 22, 2011  
Noon  
Arlington Ballroom

## Speakers:

**The Honorable  
Eric H. Holder, Jr.**  
Attorney General

**The Honorable  
Laurie O. Robinson**  
Assistant Attorney General  
Office of Justice Programs



Learn about the Office of Justice Programs' new online resource to help practitioners and policy makers understand what works in justice-related programs.

### Visit the exhibit area for a demo.

Search the site for information about:

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- Courts
- Crime & Crime Prevention
- Drugs & Substance Abuse
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- Law Enforcement
- Technology & Forensics
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