



The *NIJ* CONFERENCE 2012



TURNING TO
SCIENCE:

ENHANCING JUSTICE
IMPROVING SAFETY
REDUCING COSTS

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

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

Eric H. Holder, Jr.

Attorney General

Mary Lou Leary

Acting Assistant Attorney General

John H. Laub, Ph.D.

Director, National Institute of Justice

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CONFERENCE PROGRAM

June 18-20, 2012 ■ Arlington, Va.

Exhibitors

National Institute of Justice

National Criminal Justice Reference Service
810 Seventh St. N.W.
Washington, DC 20531
202-307-2942
www.nij.gov

CrimeSolutions.gov Diagnostic Center

Office of Justice Programs
810 Seventh St. N.W.
Washington, DC 20531
202-307-0703
www.crimesolutions.gov
www.ojpdagnosticcenter.org

Department of Homeland Security

Science and Technology Directorate
245 Murray Lane, MS #105
Washington, DC 20005
202-282-8000
www.dhs.gov/xabout/structure/editorial_0530.shtm

Forensic Technology Center of Excellence

RTI International
3040 Cornwallis Rd.
Research Triangle Park, NC 27587
866-252-8415
www.forensiccoe.org

Justice Research and Statistics Association

777 North Capitol Street, N.E., Suite 801
Washington, DC 20002
202-842-9330
www.jrsa.org

Mac Marshal Project

Architectural Technology Corporation

33 Thornwood Dr., Suite 500
Ithaca, NY 14850
607-257-1975 ext. 7111
<http://atc-nycorp.com>

National Archive of Criminal Justice Data

P.O. Box 1248
Ann Arbor, MI 48106
800-999-0960
www.icpsr.umich.edu/icpsrweb/NACJD

National Law Enforcement and Corrections Technology Center — National Center

2275 Research Blvd., Suite 220
Rockville, MD 20850
800-248-2742
www.justnet.org

National Law Enforcement and Corrections Technology Center — Small, Rural, Tribal and Border Regional Center

101 Bulldog Lane
Hazard, KY 41701
866-787-2553
www.srtbrc.org

National Missing and Unidentified Persons System

3500 Camp Bowie Blvd., Room 651
Fort Worth, TX 76107
817-666-5432
www.namus.gov

National Science Foundation

4201 Wilson Blvd.
Arlington, VA 22230
703-292-5111
www.nsf.gov

- 8:30 a.m. **Welcome and Opening Remarks** Arlington Ballroom
- **John H. Laub**, Director, National Institute of Justice
 - **Mary Lou Leary**, Acting Assistant Attorney General, Office of Justice Programs
 - **Tony West**, Acting Associate Attorney General, U.S. Department of Justice
- 8:45 a.m. **Opening Plenary** Arlington Ballroom
- Game Change: How Researcher-Practitioner Partnerships are Redefining How We Study Crime**
- 10:15 a.m. **Break**
- 10:30 a.m. **Concurrent Sessions**
- **Uncovering the Systemic Causes of Wrongful Conviction** Arlington Ballroom
 - **Elder Mistreatment in Residential Care Facilities** Salon A
 - **Building Knowledge: Understanding the Phases, States and Types of Evidence to Inform Criminal Justice Policy and Practice** Salon B
 - **Applying an Action Research Framework to the Problem of Untested Sexual Assault Evidence** Salon C/D/E
 - **Contrasting Views: The Role of Science in Policing** Salon F/G
 - **Predicting Risk in Community Corrections: Putting Researcher-Practitioner Partnerships into Action** Salon H
 - **New Research on Domestic Violence Courts and a Summary of Research on Domestic Violence for Advocates and Service Providers** Salon J
 - **How Do You Develop Equipment Performance Standards? You Blow Things Up!** Salon K
- 12:00 p.m. **Lunch (on your own)**
- 1:30 p.m. **Concurrent Sessions**
- **New Approaches to Identifying Secondary Market Sources of Illegal Firearms** Arlington Ballroom
 - **NIJ's Evaluation of the Red Hook Community Court** Salon A
 - **Building Promising Scholars of the Future: An Overview of NIJ's Graduate Research Fellowship Program** Salon B
 - **The Relationship Between Neighborhoods, Race and Crime** Salon C/D/E
 - **Screening for Elder Abuse: Tools for Adult Protective Services** Salon F/G
 - **Technology Innovation** Salon H
 - **Protecting Officers by Taking NIJ Body Armor Research to the Field** Salon J
 - **But Does It Work in the Field? A Discussion of NIJ's Collaborative Technology Evaluations** Salon K
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- 3:15 p.m. **Concurrent Sessions**
- **Dating Violence Among High Risk Populations: Risk, Protection and Intervention** Arlington Ballroom
 - **The Eyes Have It . . . or Do They? Exploring the Uneven Impact of Cameras Used to Prevent Crime in Public Areas and Correctional Settings** Salon C/D/E

- Using “Challenges” to Solve Problems: The Purpose, Process and Products of This New Mechanism Salon F/G
- Molecular Autopsies: It’s All in the Genes Salon H
- Transforming Criminal Justice: The Research, the Opportunities and the Challenges Salon J

Panel Tracks



8:30 a.m.

Welcome and Opening Remarks

Arlington Ballroom

- **John H. Laub**, Director, National Institute of Justice
- **Mary Lou Leary**, Acting Assistant Attorney General, Office of Justice Programs
- **Tony West**, Acting Associate Attorney General, U.S. Department of Justice

8:45 a.m.

Opening Plenary

Arlington Ballroom

Game Change: How Researcher-Practitioner Partnerships are Redefining How We Study Crime

When researchers and practitioners work side by side, they can maximize their problem-solving abilities. The research partner can focus on the data and the science; the practitioner partner can focus on interpreting the findings and applying them in the field. Panelists will describe the benefits, challenges and pitfalls of researcher-practitioner partnerships with a focus on the financial benefits to the practitioner.

- **Jeff Rojek**, Assistant Professor, University of South Carolina, Columbia, South Carolina
- **Tami Sullivan**, Assistant Professor, Yale University School of Medicine, New Haven, Connecticut
- **Vivian Tseng**, Vice President, Program, William T. Grant Foundation, New York, New York
- **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**Uncovering the Systemic Causes of Wrongful Conviction**

Arlington Ballroom

The fair administration of justice is a core principle that all components of the criminal justice system strive for. NIJ, building on its original sponsorship of research into exonerations, has sponsored vigorous research into the root causes that lead to wrongful conviction. Each of these studies is focused on uncovering the nature of the issue, the breadth of the problem, and tangible and practical efforts to avoid these miscarriages of justice in the future.

This panel will introduce recent findings from NIJ-sponsored research in this area and examine policy implications and initiatives that need to be explored to address these issues.

- **Jon Gould**, Professor, American University, Washington, DC
- **John Roman**, Senior Researcher, Urban Institute, Washington, DC
- **Discussant: James Doyle**, Visiting Fellow, National Institute of Justice, U.S. Department of Justice, Washington, DC

**Elder Mistreatment in Residential Care Facilities**

Salon A

This panel will summarize findings from two NIJ-funded studies on abuse of elderly residents in residential care facilities. The first was a study of resident-on-resident elder mistreatment (R-REM) in six nursing homes in New York. R-REM has been shown to be the most prevalent form of physical abuse in residential care facilities. The goal of the study was to identify the most accurate way to detect and report R-REM and to develop institutional guidelines for the reporting of R-REM episodes. The second study examined resident abuse from family and staff using a nationally representative sample of approximately 5,000 nurse aides from 1,350 assisted-living facilities. A primary goal of this study was to identify facility practices that either prevent or contribute to the abuse of residents.

- **Nicholas Castle**, Professor, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, Pennsylvania
- **Mark Lachs**, Professor of Medicine, Weill Medical College of Cornell University, New York, New York

- **Daniel Reingold**, President and CEO, Hebrew Home at Riverdale, Bronx, New York
- **Moderator: Andrew Penn**, Counsel for Health Care Fraud and Elder Justice, Civil Division, U.S. Department of Justice, Washington, DC



Building Knowledge: Understanding the Phases, Stages and Types of Evidence to Inform Criminal Justice Policy and Practice

Salon B

Building knowledge spans a wide range of activity: assessing innovation, conducting evaluations, developing and testing technologies, and applying “bench science” practices. In this workshop, panelists will give an overview of the criminal justice “knowledge-building enterprise” that can help inform every aspect of practice and policy. Specific knowledge-building methods, such as Innovation Assessments, can help determine the validity of the innovation. Important knowledge-building strategies, such as Evaluability Assessments and process evaluations, can inform the decision to undertake a larger evaluation. Determining “what works, what doesn’t and what’s promising” is the business of program evaluation, and this workshop will review core aspects of program evaluation, including logic models, the need for clear measures and evaluation criteria, and selection of an evaluation design.

- **Ric Curtis**, Professor of Anthropology, John Jay College of Criminal Justice, New York, New York
- **Jake Horowitz**, Director, State Policy, Public Safety Performance Project, Pew Charitable Trusts, Washington, DC
- **Nancy Kingsbury**, Managing Director, Applied Research and Methods, U.S. Government Accounting Office, Washington, DC
- **Stan Orchowsky**, Director of Research, Justice Research and Statistics Association, Washington, DC
- **Moderator: Thomas E. Feucht**, Executive Senior Science Advisor, National Institute of Justice, U.S. Department of Justice, Washington, DC



Applying an Action Research Framework to the Problem of Untested Sexual Assault Evidence

Salon C/D/E

This panel will provide updates from the teams of the two sites funded by NIJ to examine untested sexual assault evidence. Evaluators from each site will provide preliminary results from Phase I and II of the project, including qualitative data on collaborative decision-making process for sexual assault kit testing framework and prioritization, development of victim notification procedures, and investigation and prosecution implications. They will also discuss the collaborative process overall. In keeping with the conference theme, financial implications will be discussed.



- **Noel Busch-Armendariz**, Associate Professor, University of Texas at Austin, Austin, Texas
- **Debi Cain**, Executive Director, Michigan Domestic Violence Prevention and Treatment Board, Lansing, Michigan
- **Rebecca Campbell**, Professor, Michigan State University, East Lansing, Michigan
- **William Wells**, Associate Professor, Sam Houston State University, Huntsville, Texas
- **Moderator: Kristina Rose**, Deputy Director, National Institute of Justice, U.S. Department of Justice, Washington, DC



Contrasting Views: The Role of Science in Policing

Salon F/G

This session presents two distinctly compelling views on the way police agencies incorporate science and scientific evidence into their practices and policies. The two papers presented are from the Kennedy School of Government’s Executive Session on Policing and Public Safety: Malcolm Sparrow’s “Governing Science” and David Weisburd and Peter Neyroud’s “Police Science.” The authors of these two papers take two very different approaches to the question of how police agencies should — or already do — engage fully in the work of science and generating evidence.

- **Jim Bueermann**, Chief (retired), Redlands Police Department, Redlands, California; Visiting Executive Fellow, National Institute of Justice, U.S. Department of Justice, Washington, DC
- **Malcolm Sparrow**, Professor of Practice of Public Management, Harvard Kennedy School of Government, Cambridge, Massachusetts
- **David Weisburd**, Walter E. Meyer Professor of Law and Criminal Justice, George Mason University, Fairfax, Virginia; Director, Institute of Criminology, Faculty of Law, The Hebrew University, Jerusalem, Israel
- **Moderator: Darrel Stephens**, Executive Director, Major Cities Police Chiefs Association, Charlotte, North Carolina



Predicting Risk in Community Corrections: Putting Researcher-Practitioner Partnerships into Action

Salon H

This panel will highlight a recent project that developed and implemented a risk prediction tool in the Adult Probation and Parole Department in Philadelphia. Panelists will describe the risk prediction tool and how it is being used to assign offenders to risk-stratified supervision. The panel will highlight the significance of the researcher-practitioner relationship in implementing such a tool and allowing supervision officers to manage their populations more effectively.

- **Geoffrey Barnes**, Assistant Research Professor, University of Pennsylvania, Philadelphia, Pennsylvania
- **William Burrell**, Independent Corrections Management Consultant, New York, New York
- **Jordan Hyatt**, Senior Research Coordinator, University of Pennsylvania, Philadelphia, Pennsylvania
- **Amanda McGlinchy-Tudor**, Research Associate, Philadelphia Adult Probation and Parole Department, Philadelphia, Pennsylvania
- **Moderator: Marie Garcia**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



New Research on Domestic Violence Courts and a Summary of Research on Domestic Violence for Advocates and Service Providers

Salon J

This panel will present two NIJ domestic violence court studies and a summary of domestic violence research for advocates and service providers, all of which will be completed in fiscal year 2012. The summary was supported by several agencies: NIJ, the Office for Victims of Crime, the Office on Violence Against Women and the U.S. Department of Health and Human Services. Results of the studies — one a statewide study in New York City, the other a local study in Rochester, New York — will be put in the broader context of domestic violence courts nationally. Andrew Klein will present highlights from the research summary on domestic violence, and co-author Barbara Hart will offer an advocate's perspective on the research. The Honorable Libby Hines will provide a perspective on the court studies and on the compilation of domestic violence research.

- **Barbara Hart**, Director of Strategic Justice Initiatives, Muskie School of Public Service, University of Southern Maine, Portland, Maine
- **The Honorable Libby Hines**, Chief Judge, 15th Judicial District Court, Ann Arbor, Michigan
- **Andrew Klein**, Senior Research Analyst, Advocates for Human Potential, Amherst, Massachusetts
- **Melissa Labriola**, Senior Research Associate, Center for Court Innovation, New York, New York
- **Moderator: Karen Stern**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



How Do You Develop Equipment Performance Standards? You Blow Things Up!

Salon K

This panel will provide an overview of the development of the NIJ Bomb Suit Standard as well as user and manufacturer perspectives. It will begin with a discussion of the need for the standard by a police bomb squad commander who served on the committee that developed the standard. That discussion will highlight what the lack of a standard means from safety and procurement perspectives for law enforcement agencies. It will be followed by a presentation from a representative of the U.S. Army Natick Soldier Systems Center discussing how test methodologies were developed. There will also be a representative from a certification organization to discuss certification requirements of bomb suits subjected to this standard. Finally, a representative from the vendor community — the organizations that build the bomb suits — will discuss their perspective on the standard.

- **Marina Carboni**, Mechanical Engineer, U.S. Army Natick Soldier Research, Development & Engineering Center, Natick, Massachusetts
- **Patricia Gleason**, President, Safety Equipment Institute, Washington, DC
- **Aris Makris**, Chief Technology Officer, Allen Vanguard, Montreal, Canada
- **Moderator: Brian Montgomery**, Physical Scientist, National Institute of Justice, U.S. Department of Justice, Washington, DC

12:00 p.m. **Lunch (on your own)**1:30 p.m. **Concurrent Sessions**

New Approaches to Identifying Secondary Market Sources of Illegal Firearms

Arlington Ballroom

Panelists will present preliminary findings to enhance understanding of primary and secondary illegal firearms markets. The project develops methods to better assess, identify and control various types of illegal channels through which firearms are acquired for use by criminal offenders, juveniles and other persons subject to gun-related restrictions. The research suggests that state laws backed up by a strong commitment to regulate firearms dealers can reduce the ease with which criminals illegally divert firearms from legal commerce. This research also suggests that having access to information on the last known purchaser of a firearm significantly reduced the median time-to-crime of crime guns.

- **Anthony A. Braga**, Professor, Rutgers University, Newark, New Jersey
- **Charles Houser** (invited), Chief, National Tracing Center, Bureau of Alcohol, Tobacco Firearms and Explosives, Martinsburg, West Virginia
- **Glenn Pierce**, Principal Research Scientist, Northeastern University, Boston, Massachusetts
- **Moderator: Charles Wellford**, Professor, University of Maryland, College Park, Maryland



NIJ's Evaluation of the Red Hook Community Court

Salon A

The Red Hook Community Court opened in 2000 to address criminal offending and neighborhood-based problems in an isolated area of Brooklyn, New York, using a problem-solving court model. NIJ's process, impact and cost efficiency evaluation of this program examines recidivism and other outcomes for criminal and family court cases using quantitative and qualitative methods. Researchers will present findings based on impact and cost-benefit analyses and on ethnographic analyses, including community interviews. The presiding Red Hook Community Court judge will discuss the program and the challenges of implementing a community-based approach to reducing criminal behavior.

- **The Honorable Alexander Calabrese**, Presiding Judge, Red Hook Community Court, Brooklyn, New York
- **Ric Curtis**, Professor of Anthropology, John Jay College of Criminal Justice, New York, New York
- **Cynthia Lee**, Research Associate, National Center for State Courts, Williamsburg, Virginia
- **Moderator: Linda Truitt**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



Building Promising Scholars of the Future: An Overview of NIJ's Graduate Research Fellowship Program

Salon B

This panel will highlight one of NIJ's premiere fellowship opportunities — the Graduate Research Fellowship program. This program provides funding for promising doctoral students undertaking independent research on issues related to crime and justice. Former fellows will discuss their experiences as participants in the program and how the Graduate Research Fellowship enriched and contributed to their individual research agendas.

- **Jennifer Cobbina**, Assistant Professor of Criminal Justice, Michigan State University, East Lansing, Michigan
- **Aaron Kupchik**, Associate Professor, University of Delaware, Newark, Delaware
- **Cynthia Weaver**, Assistant Professor, University of Southern Mississippi, Hattiesburg, Mississippi
- **Moderator: Marie Garcia**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



The Relationships Between Neighborhoods, Race and Crime

Salon C/D/E

The aim of this panel is to present recent race and crime research from scientists who examine the relationship between race, crime and place in scientific ways. Ruth Peterson will discuss her latest work using national level data to compare local crime patterns in five racially distinct types of neighborhoods. Ramiro Martínez's research focuses on variations in violence across ecological settings and how violent crime and homicide vary across racial and ethnic

immigrant groups. He will discuss his recent work on African American and Latino violence in neighborhoods. Darnell Hawkins, a retired academic turned community organizer in Arkansas, will serve as the discussant. He will critique the research presented and discuss its applicability in the context of urban, rural and suburban neighborhoods.

- **Ramiro Martínez, Jr.**, Professor, Northeastern University, Boston, Massachusetts
- **Ruth Peterson**, Professor Emeritus, Ohio State University, Columbus, Ohio
- **Discussant: Darnell Hawkins**, Independent Consultant, Arkvark Enterprises, Pinebluff, Arkansas
- **Moderator: Nadine P. Frederique**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



Screening for Elder Abuse: Tools for Adult Protective Services

Salon F/G

This panel will highlight screening tools for elder abuse, neglect and financial exploitation that have been developed under two separate NIJ-funded projects. One tool is an actuarial risk assessment screener developed and pilot tested with the New Hampshire Bureau of Elderly and Adult Services Adult Protective Services (APS). The other is a computerized decision support system, developed under two NIJ grants, that will be pilot tested in six APS agencies in Illinois in a 2011 NIJ grant. The tools will be of primary interest to APS caseworkers, with potential application to other first responders to elder abuse cases, such as law enforcement.

- **Kendon J. Conrad**, Senior Research Scientist, Chestnut Health Systems, Chicago, Illinois
- **Madelyn Iris**, Adjunct Associate Professor, Feinberg School of Medicine, Northwestern University, Chicago, Illinois
- **Kristen Johnson**, Senior Researcher, National Council on Crime and Delinquency, Oakland, California
- **Lois Moorman**, Director, Elder Rights Division of the Illinois Department on Aging, Springfield, Illinois
- **Moderator: Carrie Mulford**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



Technology Innovation

Salon H

NIJ is perhaps best known for funding research to improve knowledge and understanding of crime and justice issues. However, NIJ also funds research to develop tools and technologies to address gaps in the operational capabilities of criminal justice agencies. This panel will discuss three innovative technologies: 1) a tool to remove a bomb belt from a terrorist, 2) a small, portable low-cost radar to enable a SWAT team to locate hostages, and 3) a smart CCTV system. The panel will illustrate the key role that the interaction between the researcher and the practitioner plays in NIJ's technology development efforts, as well as the central role of federal partnerships.

- **Allan Hunt**, Owner, Akela, Inc., Santa Barbara, California
- **Xiaoming Liu**, Computer Scientist, General Electric, Albany, New York
- **James Wilcox**, Global Marketing Director, Avon Protection, Baltimore, Maryland
- **Moderator: Mark Greene**, Physical Scientist, National Institute of Justice, U.S. Department of Justice, Washington, DC



Protecting Officers by Taking NIJ Body Armor Research to the Field

Salon J

This panel will discuss how the needs and requirements identified by law enforcement officers are directing current NIJ research into stab-resistant and ballistic-resistant body armor, research results, and the impact of those research results on the next generation of body armor protecting officers in the field. This discussion will include a focus on actual threats being faced by officers and how NIJ is helping to protect officers from them. This panel is directly linked to the hands-on session, "Body Armor in the Real World," scheduled for Tuesday at 4:30 p.m.

- **Cynthia Bir**, Associate Professor, Wayne State University, Detroit, Michigan
- **Amanda Forster**, Materials Research Engineer, National Institute of Standards and Technology, Gaithersburg, Maryland
- **Cassandra Robinson**, Program Manager, Savannah River National Laboratory, Augusta, Georgia
- **Moderator: Debra Stoe**, Physical Scientist, National Institute of Justice, U.S. Department of Justice, Washington, DC



But Does It Work in the Field? A Discussion of NIJ's Collaborative Technology Evaluations

Salon K

Increasingly, public safety agencies are seeking technological solutions to provide state-of-the-art services, reduce cost and improve public safety. Until recently, however, there has been very little systematic evaluation of a technology's actual impact on costs, service delivery or safety enhancement. Previous evaluation approaches generally have relied on anecdotal data and user surveys. NIJ has introduced a new model for these evaluations as part of the Technology Operational Evaluations (TOEs) portfolio. Panelists will discuss both the process and importance of ongoing NIJ collaborative TOEs. NIJ staff will describe the need and method for TOEs. Criminal justice practitioners will discuss their experience with, and the value of, this evaluation process. Additionally, preliminary findings from the first (and possibly second) phase of the Brookline, Massachusetts, Police Department TOE, evaluating the implementation and effect of a public safety broadband communications network, will be presented along with other relevant work.

- **Jeremy Carter**, Assistant Professor, Department of Criminology and Criminal Justice, University of North Florida, Jacksonville, Florida
- **Christopher Epps**, Commissioner, Mississippi Department of Corrections, Jackson, Mississippi
- **Ken North**, Director, Corrections Investigation Division, Mississippi Department of Corrections, Jackson, Mississippi
- **Allan Sadowski**, Information Technology Manager, North Carolina State Highway Patrol, Raleigh, North Carolina
- **Scott Wilder**, Director of Technology, Brookline Police Department, Brookline, Massachusetts
- **Moderator: Nancy Merritt**, Senior Policy Advisor, National Institute of Justice, U.S. Department of Justice, Washington, DC

3:00 p.m.

Break

3:15 p.m.

Concurrent Sessions

Dating Violence Among High Risk Populations: Risk, Protection and Intervention

Arlington Ballroom

This panel will present results from projects on dating violence among high risk youth and explore how increased understanding of violent relationships, as well as intervention effectiveness, can inform service. Preliminary analysis in one study examining risk factors associated with dating older partners revealed that dating an older partner was significantly associated with, among other things, risky sexual behavior, increased relationship violence, substance use and delinquency. The second project involved a randomized controlled trial comparing two intervention programs from different empirical and theoretical approaches designed to decrease dating violence revictimization among adolescent girls in foster care.

- **Brad Bryant**, Executive Director, People Places, Inc., Staunton, Virginia
- **Anne P. DePrince**, Associate Professor, University of Denver, Denver, Colorado
- **Dick Reppucci**, Professor, University of Virginia, Charlottesville, Virginia
- **Moderator: Dara Blachman-Demner**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



The Eyes Have It ... or Do They? Exploring the Uneven Impact of Cameras Used to Prevent Crime in Public Areas and Correctional Settings

Salon C/D/E

This panel will discuss integrated findings from three evaluations of surveillance cameras used in different settings to deter and prevent crime:

- A randomized control trial of cameras in Metro parking lots to prevent car crime
- An evaluation of public surveillance systems in Baltimore, Chicago and Washington, DC
- An evaluation of camera use to prevent sexual assault in a county jail



Findings suggest that surveillance cameras can have their intended crime prevention impact when they are placed in the right locations and fully integrated with existing law enforcement practices.

Nancy La Vigne and Samantha Hetrick will cover several issues, including installing cameras that do not record real-time footage and are not well integrated into policing and investigations and thus have no impact on preventing car crimes in parking facilities, cameras that record both inmates and corrections officers and so increase perceptions of safety from violence in jails, and cameras placed in high-crime communities that are actively monitored and well-integrated into police operations and accordingly have a cost-beneficial impact on crime.

- **Samantha Hetrick**, Research Associate, Urban Institute, Washington, DC
- **Nancy La Vigne**, Director, Justice Policy Center, Urban Institute, Washington, DC
- **Jonathan Lewin**, Commander, Chicago Police Department, Chicago, Illinois
- **Scott Roehm**, Counsel, Rule of Law Program, The Constitution Project, Washington, DC
- **Moderator: Nazmia Alqadi**, Program Analyst, Office of Community Oriented Policing Services, U.S. Department of Justice, Washington, DC



Using “Challenges” to Solve Problems: The Purpose, Process and Products of This New Mechanism

Salon F/G

This workshop will cover the who, what, why, where and how of Challenges. Challenges are an innovative approach that empowers the U.S. Government and the public to bring the best ideas and top talent to bear on our nation’s most pressing challenges. A Challenge is exactly what the name suggests: a challenge by one party (a “seeker”) to another party or parties (a “solver”) to identify a solution to a particular problem and reward contestants for accomplishing a particular goal. Prizes (monetary or nonmonetary) often accompany challenges and contests. Challenges can range from the fairly simple (idea suggestions; creation of logos, videos, digital games and mobile applications) to proofs of concept, designs or finished products that solve the grand challenges of the 21st century.

- **Cristin Dorgelo**, Assistant Director for Grand Challenges, Executive Office of the President, Washington, DC
- **Brian Forde**, Advisor to the Chief Technology Officer, Executive Office of the President, Washington, DC
- **Tammi Marcoullier**, Program Manager, U.S. General Services Administration, Washington, DC
- **Jo Strang** (invited), Associate Administrator for Railroad Safety, U.S. Department of Transportation, Washington, DC
- **Moderator: Nancy Merritt**, Senior Policy Advisor, National Institute of Justice, U.S. Department of Justice, Washington, DC



Molecular Autopsies: It’s All in the Genes

Salon H

Sudden unexplained deaths (SUDS) and sudden infant death syndrome (SIDS) in apparently healthy individuals pose significant challenges to medical examiners and law. There is a general awareness that SUDS, especially in infancy, can be a natural event, but there is often an underlying suspicion about the validity of a determination of sudden natural death.

The Baylor College of Medicine Human Genome Center and Harris County Institute of Forensic Sciences are collaborating to develop a tool to determine SUDS/SIDS based on second generation Roche 454 sequencing of genes associated with cardiac function. Researchers at the New York City Office of Chief Medical Examiner are also using next generation sequencing technology to sequence the entire coding regions of candidate genes believed to be involved in sudden unexplained deaths (genes in this study go beyond cardiac function and include nervous, immunologic, metabolic and nicotinic clearance systems). New sequencing techniques may reduce the cost of sequence analysis to determine SUDS/SIDS and bring analysis into practical use.

- **Roger Kahn**, Director, Forensic Genetics Laboratory, Harris County Institute of Forensic Sciences, Houston, Texas
- **Yingying Tang**, Director, Molecular Genetics Laboratory, New York City Office of Chief Medical Examiner, New York, New York
- **Moderator: Albert Y. Chu**, Assistant Medical Examiner, Harris County Institute of Forensic Sciences, Houston, Texas



Transforming Criminal Justice: The Research, the Opportunities and the Challenges

Salon J

This panel will feature presentations by NIJ's Visiting Fellows Dr. Mark Kleiman and Mr. James Doyle. Dr. Kleiman's work focuses on drug policy and the effect of swift and certain (but not necessarily severe) sanctions for changing offender behavior. Mr. Doyle's research draws on work in aviation and medical management and the paradigm of "system errors" to improve the system. Each body of research has the potential to radically alter how the criminal justice system operates. Change is rarely easy, and changing the way the justice system operates presents huge challenges and important opportunities. The panelists will discuss their work, the potential of their research to alter everyday justice processes, and the difficulties likely to be encountered along the way.

- **Scott Burns**, Executive Director, National District Attorneys Association, Alexandria, Virginia
- **James Doyle**, Visiting Fellow, National Institute of Justice, U.S. Department of Justice, Washington, DC
- **Mark Kleiman**, Visiting Fellow, National Institute of Justice, U.S. Department of Justice, Washington, DC
- **Moderator: Thomas E. Feucht**, Executive Senior Science Advisor, National Institute of Justice, U.S. Department of Justice, Washington, DC

8:30 a.m. **Concurrent Sessions**

- Contamination and Degradation: A Quick and Dirty Dilemma in Viable Evidence Retention Arlington Ballroom
- But Wait, There's More! Combining Multiple Methods Into an "All-in-One" Option for Evidence Processing and Testing Salon A
- Police Legitimacy and Procedural Justice Salon C/D/E
- Your NIJ Grant: Everything You Need to Know Part I, What Does It Mean to Accept NIJ Funding? An Overview of Grant Recipient Responsibilities Salon F/G
- Whodunit? Latent Fingerprints: Making a Powerful Crime Fighting Tool Even Better Salon H
- Helping Our Heroes: Unique Court Services for Criminally Involved, Substance Abusing Veterans Salon J
- The Office of Juvenile Justice and Delinquency Prevention's Resources for Researchers: Opportunities for Research Funding, Publications and Data Salon K

10:00 a.m. **Break**10:15 a.m. **Keynote Speaker**

- Looking Back to See the Future of Prison Downsizing in America Arlington Ballroom
- Joan Petersilia, Professor of Law, Stanford Law School, Stanford, California

11:30 a.m. **Lunch (on your own)**1:00 p.m. **Concurrent Sessions**

- Upstream Screenings for Downstream Savings — Forensically Relevant Biological Evidence Identification at the Front End of a Forensic Investigation — Part I, In-Field Crime Scene Screening Arlington Ballroom
- Sexual Assault Forensic Practices: Impact on Prosecution and Compliance Issues Salon B
- When Actors Don't Follow the Script — The Physical and Social Dangers of Combining Prescription Medication Salon C/D/E
- Crimes Against American Indian and Alaskan Native Women: Research Informing Sustainable Practice and Policy Salon F/G
- Looking Into the Crystal Ball: Can We Predict Crime? Salon H
- State and Local Perspectives on Trafficking in Persons Salon J
- NIJ's Second Chance Act Evaluation Program: Interim Findings and Next Steps Salon K

2:30 p.m. **Break**2:45 p.m. **Concurrent Sessions**

- Upstream Screenings for Downstream Savings — Forensically Relevant Biological Evidence Identification at the Front End of a Forensic Investigation — Part II, In-Laboratory Screening Arlington Ballroom
- W.E.B. Du Bois Fellows and the American Immigrant: Crime and Victimization Experiences of Immigrant Populations Salon B
- Is Problem-Oriented Policing or Data-Driven Policing an Effective Strategy for Maintaining Public Safety Amid Shrinking Resources? Salon C/D/E
- Assembling and Translating "What Works" for Criminal Justice Practice and Policy Salon F/G

- Laboratory Privatization: A Discussion on the Public and Private Provision of Forensic Services Salon H
- Improving Responses to Victims Beyond the Immediate Aftermath of the Crime Salon J
- Desistance from Crime Salon K

4:15 p.m. Break

4:30 p.m. Interactive Sessions and Networking

- Body Armor in the Real World Library/Top of the Escalators
- General Science Posters Library/Top of the Escalators
- Forensic DNA Posters Sky View Atrium

Panel Tracks



8:30 a.m.

Concurrent Sessions
**Contamination and Degradation:
A Quick and Dirty Dilemma in Viable Evidence Retention**

Arlington Ballroom

Contamination and degradation are universal issues that compromise the integrity of evidence and create challenges for analysis. Exposure to air, moisture and bacteria can adversely affect samples retained for examination and can result in degradation. Retesting challenging samples costs laboratories manpower hours, reagents and consumables, instrument resources, and limited sample material. In this panel, two NIJ-funded researchers will discuss their work developing and evaluating new methods for sample preservation to prevent contamination and sample degradation. Two other researchers will discuss their recent collaborative success in demonstrating the possibility for double-strand DNA repair and the implications for biological samples past the point of degradation prevention.

- **John R. Battista**, Professor, Louisiana State University and A&M College, Baton Rouge, Louisiana
- **Michael M. Cox**, Professor of Biochemistry, University of Wisconsin–Madison, Madison, Wisconsin
- **Heather Cunningham**, Senior Scientist, Bode Technology, Lorton, Virginia
- **Margaret Kline**, Research Biologist, Applied Genetics Group, Biochemical Science Division, Material Measurement Laboratory, National Institute of Standards and Technology, Gaithersburg, Maryland
- **Moderator: Minh Nguyen**, Physical Scientist, National Institute of Justice, U.S. Department of Justice, Washington, DC


**But Wait, There's More! Combining Multiple Methods
Into an "All-In-One" Option for Evidence Processing and Testing**

Salon A

Current lab and crime scene-based techniques for processing and testing evidence sometimes require the forensic analyst to perform multiple steps, which adds time and can diminish the integrity of a sample if a step is performed incorrectly. Combining several methods or different tests into one product reduces complexity, improves efficiency and reduces costs associated with performing additional steps. At Mountain State University, researchers developed a subliming polymer that can incorporate color in a single fingerprint superglue fuming step that can be taken advantage of by laboratories regardless of the light sources available to them. To reduce agency costs for purchasing presumptive field kits for drug testing, the Las Vegas Metropolitan Police Department is investigating the enhancement and implementation of a portable device for testing controlled substances using Raman spectroscopy. At Teledyne Scientific and Imaging, researchers are investigating a breadboard camera that can collect and process multi-spectral, dual polarization and fluorescence images at a crime scene to enhance identification of body fluids, forensically relevant residues and fingerprints in real time and in the presence of sunlight.

- **Stephana Fedchak**, Forensic Scientist II, Controlled Substances Unit, Las Vegas Metropolitan Police Department, Las Vegas, Nevada
- **Milind Mahajan**, Research Scientist, Teledyne Scientific and Imaging, LLC, Los Angeles, California
- **Charles Steele**, Owner, Aneval, Inc., Chicago, Illinois
- **Moderator: Frances Scott**, Physical Scientist, National Institute of Justice, U.S. Department of Justice, Washington, DC


Police Legitimacy and Procedural Justice

Salon C/D/E

Panelists will discuss two perspectives about police legitimacy and procedural justice: The first perspective maintains that although street stops can maximize the benefits of crime control, they also increase negative views of the police among the residents who are stopped. Therefore, police need to be more accountable when interacting with the public and avoid behavior that undermines their legitimacy. A second perspective maintains that police can build citizen assessments of their police force through service quality measurement systems such as COMPSTAT. These systems are designed to measure police performance and accountability.

- **Joseph L. Cecile**, Deputy Chief, Syracuse Police Department, Syracuse, New York
- **Brian A. Kilcullen**, Assistant Chief of Police, Schenectady Police Department, Schenectady, New York
- **Tom Tyler**, Professor, Yale University, New Haven, Connecticut
- **Robert Worden**, Director, The John F. Finn Institute for Public Safety, Albany, New York
- **Moderator: Brett Chapman**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



Your NIJ Grant: Everything You Need to Know Part I, What Does It Mean to Accept NIJ Funding? An Overview of Grant Recipient Responsibilities

Salon F/G

Congratulations. You got a grant from NIJ! Now the hard work begins to make sure you spend taxpayer money properly. In this workshop, you will learn from senior NIJ staff what constitutes good grant compliance, record-keeping and reporting. Topics to be covered include 1) special conditions, 2) budget issues, 3) protecting human subjects and 4) special issues for forensic sciences, social and behavioral science, and technology grants.

- **Christine Crossland**, Senior Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC
- **Alan Spanbauer**, Program Manager/Physical Scientist, National Institute of Justice, U.S. Department of Justice, Washington, DC
- **Chris Tillery**, Office Director, National Institute of Justice, U.S. Department of Justice, Washington, DC
- **Moderator: Cheryl Crawford Watson**, Human Subjects Protection Compliance Officer, National Institute of Justice, U.S. Department of Justice, Washington, DC



Whodunit? Latent Fingerprints: Making a Powerful Crime Fighting Tool Even Better

Salon H

This panel will discuss NIJ's efforts to increase the power of latent prints as a crime-fighting tool by reducing the potential for error, increasing accuracy and improving efficiency. It will highlight work by Michigan State University and Virginia Tech to improve latent print analysis. It will also highlight NIJ's planned nationwide survey on Automated Fingerprint Identification System (AFIS) interoperability, the efforts of the AFIS Interoperability Task Force, and related work by the National Institute for Standards and Technology addressing the lack of AFIS interoperability among law enforcement agencies. The survey is a response to findings in the National Academy of Sciences' 2009 report, *Strengthening Forensic Science in the United States: A Path Forward*, which states, "Many crimes no doubt go unsolved today simply because investigating agencies cannot search across all the individual databases that might hold a suspect's fingerprints or contain a match for an unidentified latent print from a crime scene."

- **Lynn Abbott**, Associate Professor, Virginia Polytechnic Institute, Blacksburg, Virginia
- **Leonard Butt**, Manager, Maryland State Police and Chair of the Scientific Working Group on Friction Ridge Analysis, Study and Technology, Baltimore, Maryland
- **Lauren Cooney**, Chief, Examination Services Branch, U.S. Army Biometrics Identity Management Agency, Clarksburg, West Virginia
- **Melissa Taylor**, Management and Program Analyst, Law Enforcement Standards Office, National Institute for Standards and Technology, Gaithersburg, Maryland
- **Soweon Yoon**, Michigan State University, East Lansing, Michigan
- **Moderator: Mark Greene**, Physical Scientist, National Institute of Justice, U.S. Department of Justice, Washington, DC



Helping Our Heroes: Unique Court Services for Criminally Involved, Substance Abusing Veterans

Salon J

Veterans treatment courts (VTCs) are hybrid drug and mental health courts that address the needs of justice-involved veterans. These veterans are one of the fastest growing populations of substance abusers identified within jail and correctional systems. They face post-traumatic stress disorder and traumatic brain injury and often mask such issues with

alcohol and other drugs. To help this unique population, the Department of Justice has modified existing drug court programming to add a veterans component. The component provides volunteer mentors and advocates from the U.S. Department of Veterans Affairs, state and local agencies, and veterans' service organizations. This panel will discuss issues affecting veterans returning from Operation Enduring Freedom (in Afghanistan) and Operation Iraqi Freedom, the need for VTCs, how they operate, early evaluation of process and outcome components, and training and assistance available.

- **The Honorable Robert Russell**, Judge, Buffalo City Court, Buffalo, New York
- **Matthew Stiner**, Director, Justice for Vets, Washington, DC
- **Moderator: Carolyn Hardin**, Senior Director, National Drug Court Institute, Alexandria, Virginia



The Office of Juvenile Justice and Delinquency

Salon K

Prevention's Resources for Researchers:

Opportunities for Research Funding, Publications and Data

The Office of Juvenile Justice and Delinquency Prevention (OJJDP) provides national leadership, coordination and resources to prevent and respond to juvenile delinquency and victimization. OJJDP has a unique mission to develop and disseminate knowledge about what works to prevent juvenile delinquency and victimization and to improve the effectiveness of the juvenile justice system. To that end, OJJDP funds juvenile justice research and evaluation, publishes the semiannual *Journal of Juvenile Justice* and sponsors a number of data collection programs investigating youth involved in the juvenile justice system. This panel will explore the many OJJDP resources available to researchers.

- **Janet Chiancone**, Associate Administrator for Budget and Planning, Office of Juvenile Justice and Delinquency Prevention, U.S. Department of Justice, Washington, DC
- **Monica Robbers**, Program Manager, CSR, Inc., Arlington, Virginia
- **Moderator: Brecht Donoghue**, Research Coordinator, Office of Juvenile Justice and Delinquency Prevention, U.S. Department of Justice, Washington, DC

10:00 a.m. Break

10:15 a.m. Keynote Speaker

Arlington Ballroom

- **Joan Petersilia**, Professor of Law, Stanford Law School, Stanford, California

Looking Back to See the Future of Prison Downsizing in America

The recent declines in U.S. prison populations have caused many reformers to suggest that America's experiment with mass incarceration is ending. But current prison downsizing policies may well backfire if we fail to heed the lessons learned from the intermediate sanctions movement of the 1990s. Dr. Petersilia will summarize these lessons and discuss why we must consider them if we want to reverse — for good — four decades of prison expansion.

11:30 a.m. Lunch (on your own)

1:00 p.m. Concurrent Sessions



Upstream Screenings for Downstream Savings —

Arlington Ballroom

Forensically Relevant Biological Evidence Identification

at the Front End of a Forensic Investigation — Part I, In-Field Crime Scene Screening

Evidence screening has the benefit of reducing both the sample processing volume and the analytical burden on laboratory personnel, thus reducing downstream costs. In-field crime scene screening via portable, rapid, nondestructive techniques for biological samples reduces the number of samples submitted for testing and analysis by prioritizing evidence collection. After biological evidence is collected, laboratory screening has the ability to separate probative

from nonprobative specimens before they enter into costly and time-consuming laboratory processing. This two-part presentation features projects using in-field crime scene evidence screening and in-laboratory screening to limit the number of samples that enter into forensic laboratory sample processing.

This panel features two projects seeking to adapt biological fluid detection into field instruments — one for the visualization of blood using infrared spectroscopy and another for the confirmatory identification of body fluids in biological stains using Raman spectroscopy.

- **Clifton Bishop**, Associate Professor, West Virginia University, Morgantown, West Virginia
- **Igor Lednev**, Associate Professor, University at Albany, State University of New York, Albany, New York
- **Stephen Morgan**, Professor, University of South Carolina, Columbia, South Carolina
- **Moderator: Chad Ernst**, Senior Scientist (contractor), National Institute of Justice, Booz Allen Hamilton, Washington, DC



Sexual Assault Forensic Practices: Impact on Prosecution and Compliance Issues

Salon B

This panel will cover results from a multisite evaluation of the impact of a Sexual Assault Nurse Examiner (SANE) Program on sexual assault prosecution rates. Panelists will also discuss ongoing research examining sexual assault forensic payment practices. First, implementation results related to the SANE program will focus on the challenges identified and solutions for front-line practitioners, specifically the need for community-level reform. Next, preliminary findings from a study evaluating the compliance with new requirements on forensic exam payment stemming from the 2005 Violence Against Women Act will be highlighted.

- **Rebecca Campbell**, Professor, Michigan State University, East Lansing, Michigan
- **Kim Day**, SAFE Technical Assistance Coordinator, International Association of Forensic Nurses, Elkridge, Maryland
- **Lisa Newmark**, Assistant Professor, George Mason University, Fairfax, Virginia
- **Moderator: Alison Brooks**, Research Assistant, National Institute of Justice, U.S. Department of Justice, Washington DC



When Actors Don't Follow the Script — The Physical and Social Dangers of Combining Prescription Medication

Salon C/D/E

Prescription medication abuse has recently come under the media spotlight, with several high profile celebrity deaths attributed to the effects of multiple drug interactions. The nonmedical use of prescription drugs is a growing public health concern that should resonate in every household across the country; it is not merely a celebrity affliction. The purposes and benefits of prescription medication are well understood, but the pharmacological interactions that occur in the body after ingestion of multiple drugs have not received enough attention. This panel will feature an overview of several high-profile cases worked on by the Los Angeles County Coroner's Office and will provide a discussion of the forensic importance of understanding drug interactions. NIJ-funded research on drug interactions involving opioid-derived pain management drugs will also be presented.

- **Dan Anderson**, Supervising Criminalist, Los Angeles County Department of Coroner, Los Angeles, California
- **Christopher Jones**, Health Scientist, Centers for Disease Control and Prevention, Washington, DC
- **David E. Moody**, Research Professor, Center for Human Toxicology, Department of Pharmacology and Toxicology, University of Utah, Salt Lake City, Utah
- **Jan Scaglione**, Senior Certified Specialist, Cincinnati Drug and Poison Information Center, Cincinnati, Ohio
- **Moderator: Frances Scott**, Physical Scientist, National Institute of Justice, U.S. Department of Justice, Washington, DC



Crimes Against American Indian and Alaska Native Women: Research Informing Sustainable Practice and Policy

Salon F/G

The first presentation will focus on a domestic violence data collection initiative by the Federal Bureau of Investigation's Indian Country Crimes Unit, in partnership with six FBI Safe Trails Task Forces, to improve federal responses to violence

against women and children in Indian Country. The second presentation will highlight the findings from research examining death investigation, domestic violence and sexual assault cases in Indian Country. This joint project, conducted by NIJ and the FBI, collected baseline information on case processing and outcomes of FBI cases involving violence against Indian women living in Indian Country. The third presentation will discuss the use of data to sustain the domestic violence and sexual assault “Choose Respect” initiative in Alaska. Goals of the “Choose Respect” initiative include prevention, education, strengthening law enforcement, enforcing tougher prosecution, protecting survivors and helping survivors heal.

- **Summer Acevedo**, Intelligence Analyst, Indian Country Crimes Unit, Federal Bureau of Investigation, Washington, DC
- **Michelle Gruzs**, Unit Chief, Indian Country Crimes Unit, Federal Bureau of Investigation, Washington, DC
- **Jane Palmer**, Research Associate, National Institute of Justice, U.S. Department of Justice, Washington, DC
- **André Rosay**, Justice Center, University of Alaska Anchorage, Anchorage, Alaska
- **Katherine TePas**, Office of the Governor, State of Alaska, Anchorage, Alaska
- **Discussant: Leslie A. Hagen**, National Indian Country Training Coordinator, Executive Office for U.S. Attorneys, U.S. Department of Justice, Columbia, South Carolina
- **Moderator: Christine R. Crossland**, Senior Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



Looking Into the Crystal Ball: Can We Predict Crime?

Salon H

The panel will look at where we are in our ability to predict crime. Panelist Greg Ridgway will give an assessment of where the technology is today. Next, panelists from Shreveport, Louisiana, and Chicago will discuss their predictive policing pilot projects. This will be followed by presentations on related NIJ-funded research projects on advanced data analytics, such as that being conducted by Temple University on predictive modeling of long- and short-term crime risk potentials.

- **Joel Caplan**, Assistant Professor, Rutgers University, Newark, New Jersey
- **Jonathan Lewin**, Commander, Information Services Division, Chicago Police Department, Chicago, Illinois
- **Susan Reno**, Police System Administrator, Shreveport Police Department, Shreveport, Louisiana
- **Greg Ridgeway**, Director, Safety and Justice Program, RAND Corporation, Santa Monica, California
- **Moderator: Bill Ford**, Division Director, National Institute of Justice, U.S. Department of Justice, Washington, DC



State and Local Perspectives on Trafficking in Persons

Salon J

This panel will provide three perspectives of the response to human trafficking at the state and local level. The first presenter, Michael Shively, will give a comprehensive picture of the measures that states and localities are using to reduce the demand for sex trafficking. Shively's study provides guidance to those thinking of adopting these measures in their own communities. The second presenter, Amy Farrell, will discuss the challenges to identifying, investigating and prosecuting human trafficking cases at the state and local level, with a special emphasis on the laws that states have developed to combat trafficking. The last speaker, Judith McKee, will discuss the National Association of Attorneys General Presidential Initiative on Human Trafficking and how it is helping shape the response at the state and local level.

- **Amy Farrell**, Assistant Professor, Northeastern University, Boston, Massachusetts
- **Judith McKee**, Director of Programs, National Association of Attorneys General, Washington, DC
- **Michael Shively**, Senior Associate, Abt Associates, Cambridge, Massachusetts
- **Moderator: John Picarelli**, Program Manager, National Institute of Justice, U.S. Department of Justice, Washington, DC



NIJ's Second Chance Act Evaluation Program: Interim Findings and Next Steps

Salon K

In collaboration with the Bureau of Justice Assistance (BJA), NIJ is conducting several evaluations to examine the process, impact and cost efficiencies of adult reentry programs funded by the Second Chance Act (SCA). SCA aims to facilitate offenders' successful reintegration from jails and prisons into society through direct services, training and

program evaluation. Researchers will describe plans and review preliminary findings for two projects: 1) NIJ's Evaluation of SCA Adult Reentry Courts, which examines new problem-solving courts in eight jurisdictions, and 2) NIJ's evaluation of the BJA SCA Adult Offender Reentry Demonstration Projects, which examine the impact of reentry projects demonstrated at various jurisdictions in the United States.

- **Shannon Carey**, Executive Vice President and Senior Research Associate, NPC Research, Portland, Oregon
- **Ron D'Amico**, President and Senior Social Scientist, Social Policy Research Associates, Inc., Oakland, California
- **Christian Geckeler**, Social Scientist, Social Policy Research Associates, Oakland, California
- **Christine Lindquist**, Senior Research Sociologist, RTI International, Research Triangle Park, North Carolina

2:30 p.m.

Break

2:45 p.m.

Concurrent Sessions



Upstream Screenings for Downstream Savings — Arlington Ballroom
Forensically Relevant Biological Evidence Identification
at the Front End of a Forensic Investigation — Part II, In-Laboratory Screening

Evidence screening has the benefit of reducing both the sample processing volume and the analytical burden on laboratory personnel, thus reducing downstream costs. In-field crime scene screening via portable, rapid, nondestructive techniques for biological samples reduces the number of samples submitted for testing and analysis by prioritizing evidence collection. After biological evidence is collected, laboratory screening has the ability to separate probative from nonprobative specimens before they enter into costly and time consuming laboratory processing. This two-part presentation features projects using in-field crime scene evidence screening and in-laboratory screening to limit the number of samples that enter into forensic laboratory sample processing.

This panel features projects that use prescreening of biological evidence to identify its source. This information may be a key factor in determining if the sample is probative to the forensic case.

- **David Cohen**, Program Manager, Advanced Liquid Logic, Raleigh-Durham, North Carolina
- **Jack Ballantyne**, Professor, University of Central Florida, Orlando, Florida
- **Donald Siegal**, Research Scientist, Office of Chief Medical Examiner, City of New York, New York, New York
- **Moderator: Chad Ernst**, Senior Scientist (contractor), National Institute of Justice, Booz Allen Hamilton, Washington, DC



W.E.B. Du Bois Fellows and the American Immigrant: Salon B
Crime and Victimization Experiences of Immigrant Populations

This panel will showcase the research of recent W.E.B. Du Bois Fellowship recipients. They will present on their experiences in applying for and receiving the fellowship and conducting their research. They will discuss how receiving the fellowship has contributed to their individual research agendas. Both fellows are focusing their work on the crime and victimization experiences of immigrants in America. Hung-En Sung's research uses interview data to examine undocumented migrant workers' criminal justice experiences in Palisades Park, New Jersey. He found that male migrant workers experienced wage theft in significant numbers and that they were more willing than expected to contact police for help. Holly Ventura Miller's research uses Project on Human Development in Chicago Neighborhoods data to assess possible explanations for acculturated Hispanics' engagement in criminal behavior. She draws from segmented assimilation theory, which combines elements of neighborhood structure and social processes with individual-level assimilation indicators to explore variation in delinquency and victimization.

- **Holly Ventura Miller**, Assistant Professor, University of Texas at San Antonio, San Antonio, Texas
- **Hung-En Sung**, Professor, John Jay College of Criminal Justice, New York, New York
- **Moderator: Nadine P. Frederique**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



Is Problem-Oriented Policing or Data-Driven Policing an Effective Strategy for Maintaining Public Safety Amid Shrinking Resources?

Salon C/D/E

Problem-oriented policing (POP) was developed as a systematic method for law enforcement agencies to address public safety issues. It often relies on crime analysis and bottom-up approaches, such as community-oriented policing, and it may deploy the tactics of situational crime prevention and/or intelligence-led policing or both. This panel will address three key questions: 1) Are departments relying on POP to leverage resources? 2) What specific successful or innovative strategies are departments employing? 3) What roadblocks are hindering further implementation of POP practices? Particular attention will be placed on identifying research needs to assist departments in the optimal use of POP as a tool to allocate resources.

- **Brenda Eich**, Director of Research and Analysis, DC Metropolitan Police Department, Washington, DC
- **Kerry Hayes**, Director of Planning and Research, Baltimore City Police Department, Baltimore, Maryland
- **Nola Joyce**, Chief Administrative Officer, Philadelphia Police Department, Philadelphia, Pennsylvania
- **Jonathan Lewin**, Deputy Director, City of Chicago Office of Emergency Management and Communications, Chicago, Illinois
- **Moderator: Eric Martin**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



Assembling and Translating “What Works” for Criminal Justice Practice and Policy

Salon F/G

Several online clearinghouses provide compilations of research evidence about “what works” to prevent crime and delinquency. Do these resources succeed in providing clear, concise guidance to practitioners and policymakers? Are state and local criminal justice agencies absorbing and acting on this guidance? What can be done to translate these bodies of rigorous evidence for practitioners and policymakers and to aid them in adopting evidence-based programs and practices?

- **Peter Greenwood**, Executive Director, Association for the Advancement of Evidence Based Practice, Farmington, Connecticut
- **Thomas MacLellan**, Division Director, Homeland Security and Public Safety Division, National Governors Association, Washington, DC
- **Phelan Wyrick**, Senior Advisor, Office of Justice Programs, U.S. Department of Justice, Washington, DC
- **Moderator: Thomas E. Feucht**, Executive Senior Science Advisor, National Institute of Justice, U.S. Department of Justice, Washington, DC



Laboratory Privatization: A Discussion on the Public and Private Provision of Forensic Services

Salon H

This panel will discuss the privatization of forensic service provision and debate whether forensic science should be wholly governmental, wholly private or a mix. Given the recent closing of the U.K. Forensic Science Service (the U.K. counterpart to the U.S. FBI Laboratory) after its transition from wholly governmental to wholly privatized, along with jurisdictions' need to cut costs, the issue of privatization seems ripe for a thorough discussion. Although some suggestions in this arena veer toward the extreme, such as having multiple labs process the same evidence as a “check” against errors, a clear and open discussion could help illuminate the core competencies of forensic service providers in the United States.

- **John Collins**, Forensic Science Division Director, Michigan State Police, Lansing, Michigan
- **Jay Henry**, Laboratory Director, Utah Bureau of Forensic Services, Salt Lake City, Utah
- **George Herrin, Jr.**, Deputy Director, Georgia Division of Forensic Sciences, Decatur, Georgia
- **Max Houck**, Analytic Services, Inc., Arlington, Virginia (former Program Manager for the FORESIGHT Project)
- **Paul Speaker**, Program Manager, FORESIGHT Project, West Virginia University Forensic Science Initiative, Morgantown, West Virginia
- **Moderator: Alan Spanbauer**, Program Manager, National Institute of Justice, U.S. Department of Justice, Washington, DC



Improving Responses to Victims Beyond the Immediate Aftermath of the Crime

Salon J

Panelists will discuss findings related to victim experiences with criminal justice based services. The first presentation will discuss the effectiveness of automated victim notification systems in meeting the needs of crime victims and other stakeholders and will include discussion of findings from surveys of victim advocates, victims and other potential users of the systems. The second presentation will focus on the impact of wrongful conviction on crime victims and provide results from victim advocate surveys and ongoing case studies and interviews with victims. The presentation will highlight the unique experiences victims face both during and after the exoneration process, the impact of current victim-centric procedures, policies and practices, and suggestions for improvement.

- **Steve Derene**, Executive Director, National Association of VOCA Assistance Administrators, Madison, Wisconsin
- **Seri Irazola**, Project Manager, ICF International, Great Falls, Virginia
- **Erin Williamson**, Senior Associate, ICF International, Great Falls, Virginia
- **Moderator: Bethany Backes**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC



Desistance from Crime

Salon K

Research that provides new insight into the factors and situations that cause offenders to terminate or decrease the frequency of their offending will be discussed. The panel will feature what we have learned about desistance from the Pathways to Desistance project, which followed felony juvenile offenders from Philadelphia and Phoenix for 7 years.

- **Sarah Boonstoppel**, Ph.D. Candidate, University of Maryland, College Park, Maryland
- **Kim Godfrey**, Executive Director, PbS Learning Institute, Inc., Council of Juvenile Correctional Administrators, Braintree, Massachusetts
- **Ed Mulvey**, Professor of Psychiatry, University of Pittsburgh, Pittsburgh, Pennsylvania
- **Carol Schubert**, Research Program Administrator, University of Pittsburgh, Pittsburgh, Pennsylvania
- **Moderator: Carrie Mulford**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC

4:30 p.m.

Interactive Sessions and Networking

Body Armor in the Real World

Library/Top of Escalators

Researchers and public safety officers will participate in a workshop showing types of body armor worn by officers, which gives an idea of the threats such armor protects against. Different types of armor will be featured, including stab-resistant, ballistic-resistant and a combination, in concealable and tactical configurations. Various ballistic threats and inmate-manufactured weapons will be shown, as well as samples highlighting the difference between ballistic-resistant and stab-resistant materials. There will be a “stab-o-meter” device to show attendees how much force can be exerted during a stabbing motion. This hands-on workshop will be linked to a panel entitled “Protecting Officers by Taking NIJ Body Armor Research to the Field.”

- **Darin Durfey**, Chief Deputy, Utah County Sheriff’s Office, Spanish Fork, Utah
- **Deanna Rivard**, Officer, Minneapolis Police Department, Minneapolis, Minnesota
- **Nicolas Roberts**, Rangemaster, Unified Police Department of Greater Salt Lake, Magna, Utah
- **Eric Wetzel**, Team Leader, Multifunctional Materials, Army Research Lab, Aberdeen, Maryland

General Science Poster Session and Networking

Library/Top of Escalators

Get updates on NIJ-funded research in progress from all three of NIJ’s “bedrock” sciences — social, physical and forensic. This session will encourage conversation and networking and give grantees an informal opportunity to discuss their work.

The session also will include a demonstration showing different types of body armor, including stab-resistant, ballistic-resistant and a combination of the two, in both concealable and tactical configurations. Various ballistic threats, inmate-manufactured weapons and a “stab-o-meter” device that demonstrates how much force can be exerted during a stabbing motion will also be shown. Practitioners and researchers will be on hand to answer your questions.

See the Appendix for a listing of posters and authors.

Forensic DNA 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.

Wednesday

JUNE 20

8:30 a.m. Concurrent Sessions

- Automation as a Cost-Efficient Addition to the Forensic DNA Laboratory Arlington Ballroom
- Meet the Forensic Technology Center of Excellence Salon A
- Mac Forensics — A Digital Evidence Workshop on Investigating Apple Computers Salon B
- How Can We Reduce Officer Traffic Fatalities? Salon C/D/E
- Your NIJ Grant: Everything You Need to Know Salon F/G
- Part II, Waste, Fraud and Abuse: How to Avoid Trouble on Your Grant
- We Have an App for That Salon H
- Transnational Organized Crime: Impact and Outcomes Salon J
- Partnering With Schools in Challenging Economic Times Salon K

10:15 a.m. Plenary Panel

Protecting our Protectors: Using Science to Improve Officer Safety and Wellness Arlington Ballroom

Concurrent Session

- Novel Approaches to Resolving DNA Mixtures Salon C/D/E

11:45 a.m. Conference Concludes**1:00 p.m. Post-Conference Workshop**

- DNA Mixture Interpretation Workshop Arlington Ballroom

Panel Tracks



8:30 a.m.

Concurrent Sessions

Automation as a Cost-Efficient Addition to the Forensic DNA Laboratory

Arlington Ballroom

Can an investment in the automation of sample processing save money? DNA backlogs are a constantly growing problem, and funding is a seemingly ever-decreasing resource. Forensic DNA laboratories are under tremendous pressure to do more with less. Sample processing automation can allow forensic DNA laboratories to process samples more accurately, more efficiently and at a greater throughput. Automation can achieve these goals while also providing a cost savings to the laboratory. NIJ is funding several projects that address advances in automation that can improve the DNA testing process. This panel features a laboratory that has put automation into practice, as well as projects that seek to automate the most labor-intensive aspects of DNA sample processing.

- **Christian Carson**, Laboratory Co-Director, Paternity Testing Corporation, Columbia, Missouri
- **Erin Finehout**, Lead Scientist, General Electric, Albany, New York
- **Tamyra Moretti**, Supervisory Biologist, Federal Bureau of Investigation, Quantico, Virginia



Meet the Forensic Technology Center of Excellence

Salon A

NIJ's Forensic Technology Center of Excellence (FTCoE) provides law enforcement, crime laboratories and other criminal justice agencies access to forensic science support and expertise. From 2007 to 2011, FTCoE was operated by the National Forensic Science Technology Center and its partners: Marshall University Forensic Science Center, Stetson's National Clearinghouse for Science, Technology and the Law, the National Center for Forensic Science, and the Midwest Forensics Resource Center. In 2012, FTCoE has transitioned to the Research Triangle Institute and its partners: University of North Texas Health Science Center, Department of Forensic and Investigative Genetics, Duquesne University Center for Forensic Science and Law, and Virginia Commonwealth University Department of Forensic Science.

Come and meet the new FTCoE and discuss its goals to 1) serve as a trusted partner for the criminal justice community and NIJ, 2) raise the level of functioning of forensic science, 3) quickly identify the changing needs and capabilities of the criminal justice community with respect to the forensic sciences, 4) bridge the disconnect between criminal justice practitioners and the available technology and 5) prevent unproven technologies from being used in the field and presented in court.

- **Michael Baylor**, Project Director, Research Triangle Institute International, Research Triangle Park, North Carolina
- **Arthur Eisenberg**, Professor and Department Chair, University of North Texas Health Science Center, Department of Forensic and Investigative Genetics and the Center for Human Identification, Fort Worth, Texas
- **Frederick Fochtman**, Director, Duquesne University Center for Forensic Science and Law, Pittsburgh, Pennsylvania
- **Michelle Peace**, Interim Chair, Virginia Commonwealth University Department of Forensic Science, Richmond, Virginia
- **Moderator: Chuck Heurich**, Physical Scientist, National Institute of Justice, U.S. Department of Justice, Washington, DC



Mac Forensics — A Digital Evidence Workshop on Investigating Apple Computers

Salon B

The rise in popularity of Apple devices in the last decade has translated into more Macintosh computers being submitted as evidence to computer crime labs. Several local law enforcement agencies reported that approximately 10 percent of incoming cases involve Macintosh computers, and that number is likely to increase. The rapid consumption of Apple devices has resulted in challenges for law enforcement; namely, there is a need for specialized forensic tools and training. To address this need, NIJ gave ATC-NY an award to develop a specialized computer forensics tool called Mac Marshal™, which is now available at no cost for law enforcement agencies. ATC-NY also delivers a free NIJ-funded training called "Mac OS X and Mac Marshal," which has provided education and hands-on experience to nearly

350 law enforcement trainees. Participants of this workshop will experience a condensed version of the Mac forensics training course. Representatives of ATC-NY will also set up several systems in the vendor area for attendees to test the Mac Marshal™ tool on an Apple computer hard drive image.

- **Robert A. Joyce**, Technical Director, Information Management, ATC-NY, Ithaca, New York
- **Moderator: Martin Novak**, Physical Scientist, National Institute of Justice, U.S. Department of Justice, Washington, DC



How Can We Reduce Officer Traffic Fatalities?

Salon C/D/E

This panel will report the results from research about officer safety on the highway and in vehicles. One project, being conducted by Ohio University and using driving simulators, is determining the most effective combination of lighting and marking for emergency vehicles. The other project, being conducted by Michigan Technological University, is determining the optimum placement of after-market equipment in a police car to reduce injuries. These projects, along with other efforts by NIJ, the National Highway Traffic Safety Administration and other federal agencies, will provide policymakers and procurement officers information to make their patrol fleets safer.

- **Joel Bolton**, Highway Safety Specialist, National Highway Traffic Safety Administration, Washington, DC
- **John Hill**, Assistant Professor, Mechanical Engineering, Michigan Technological University, Houghton, Michigan
- **Deborah S. McAvoy**, Assistant Professor, Department of Civil Engineering, Ohio University, Athens, Ohio
- **Moderator: Brian Montgomery**, Physical Scientist, National Institute of Justice, U.S. Department of Justice, Washington, DC



Your NIJ Grant: Everything You Need to Know

Salon F/G

Part II, Waste, Fraud and Abuse: How to Avoid Trouble on Your Grant

Fraud related to grant-funded programs can and does happen. The focus of this session will be on primary fraud risks and specific steps every grantee can take to mitigate waste and fraud risk to help better ensure their program is as successful as possible. Senior Special Agent Ken Dieffenbach has previously taught this course to NIJ and other OJP staff.

- **Ken Dieffenbach**, Senior Special Agent, U.S. Department of Justice, Office of the Inspector General, Washington, DC



We Have an App for That

Salon H

The panel will look at the efforts of NIJ and others to empower the law enforcement officer at the scene through the provision of applications (“apps”) on handheld or portable computing devices.

- **Hugh Berryman**, Research Professor, Middle Tennessee State University, Murfreesboro, Tennessee
- **Katie Mugg**, Project Manager, San Diego Automated Regional Justice Information System, San Diego, California
- **Ashok Samal**, Associate Professor, Computer Science and Engineering, University of Nebraska, Lincoln, Nebraska
- **Travis Taniguchi**, Criminologist, Redlands Police Department, Redlands, California
- **Moderator: Steve Schuetz**, Physical Scientist, National Institute of Justice, U.S. Department of Justice, Washington, DC



Transnational Organized Crime: Impact and Outcomes

Salon J

Transnational organized crime impacts many aspects of our lives. This panel will demonstrate how research is measuring those impacts, and then will turn to how a new partnership between NIJ and the U.K. Home Office is addressing this issue. Thomas Holt will discuss his ongoing NIJ-funded research project on the nature of stolen credit card data online. Online credit card theft is often a merger between cybercrime and organized crime, and Dr. Holt’s work is advancing our understanding of how this manifests itself. Hannah Mills will discuss her ongoing effort to measure the size and breadth of illicit economies in the U.K. Her work demonstrates an innovative combination of data sources to improve the accuracy of estimates of organized crime. John Picarelli and Sara Skodbo will discuss the research partnership that these organizations have formed to address transnational organized crime. The partnership is part of a larger effort to coordinate international action against transnational organized crime.

- **Thomas Holt**, Associate Professor, Michigan State University, East Lansing, Michigan
- **Hannah Mills**, Assistant Economist, U.K. Home Office, London, England

- **Sara Skodbo**, Head of Organised Crime Research Team, U.K. Home Office, London, England
- **Moderator: John Picarelli**, Program Manager, National Institute of Justice, U.S. Department of Justice, Washington, DC



Partnering With Schools in Challenging Economic Times

Salon K

Bullying, sexual harassment and dating violence are critical public health and safety issues facing today's youth. There have been recent mandates for school-based policies and programs to address such issues, as well as calls for additional research. Although partnerships among school representatives and researchers are critical for success, unprecedented budget and personnel shortages in schools, along with decreased research funding, bring significant challenges. This panel includes two researchers and two school program and policy representatives with broad experience working with and implementing research and intervention in schools. They will share their challenges and lessons learned along with creative opportunities for continuing to advance this important work.

- **Deborah S. Delisle**, Assistant Secretary for Elementary and Secondary Education, U.S. Department of Education, Washington, DC
- **Jennifer Loudon**, Director, Youth Development and Positive Behavior Support, Chicago Public Schools, Chicago, Illinois
- **Sabina Low**, Assistant Research Professor, Arizona State University, Tempe, Arizona
- **Nan Stein**, Senior Research Scientist, Wellesley College, Wellesley, Massachusetts
- **Moderator: Dara Blachman-Demner**, Social Science Analyst, National Institute of Justice, U.S. Department of Justice, Washington, DC

10:15 a.m.

Plenary Panel

Protecting our Protectors: Using Science to Improve Officer Safety and Wellness

Arlington Ballroom

Each year, 100-200 law enforcement officers die in the line of duty. Last year, 177 officers lost their lives — a 16 percent increase from 2010. As Attorney General Eric Holder noted after this increase in fatalities, this is a devastating and unacceptable trend. NIJ has developed a robust research portfolio to improve officer safety and wellness and, ultimately, save lives. This panel will discuss some of NIJ's most promising work to reduce shooting and traffic-related fatalities — consistently the leading causes of officer line-of-duty deaths — and improve officer wellness, which is inextricably linked with officer safety.

- **Bryan Vila**, Professor, Washington State University, Spokane, Washington
- **Carrick Williams**, Associate Professor, Mississippi State University, Mississippi State, Mississippi
- **Karen Amendola**, Chief Operating Officer, Police Foundation, Washington, DC
- **John Violanti**, Research Professor, University at Buffalo, State University of New York, Buffalo, New York
- **Moderator: Chief Walter McNeil**, President, International Association of Chiefs of Police, Alexandria, Virginia

Concurrent Session

Novel Approaches to Resolving DNA Mixtures

Salon C/D/E

DNA mixtures have the potential to be critical pieces of evidence, if they can be accurately separated. Current differential extraction techniques are labor-intensive and time-consuming, just as current mixture deconvolution in the analysis stage is difficult, if not impossible, in many cases. Despite advances in processes that improve laboratory throughput, forensic DNA mixture extraction and analysis remains a laborious art, with the high cost and effort often precluding timely reporting. In view of that limitation, NIJ is funding several projects with different approaches to achieving the goal of reducing the time and cost of processing DNA mixture samples. This panel will feature projects that seek to separate DNA mixtures in the laboratory phase via processing methods and in the analysis via a software interpretation system.

- **Aaron LeFebvre**, Associate Lab Director, Orchid Cellmark, Dallas/Fort Worth, Texas
- **Cassandra Calloway**, Assistant Staff Scientist, Children's Hospital & Research Center at Oakland, Oakland, California
- **Catherine M. Grgicak**, Instructor, Boston University School of Medicine, Boston, Massachusetts



11:45 a.m. **Conference Concludes**

1:00 p.m. **Post-Conference Workshop**



DNA Mixture Interpretation Workshop

Arlington Ballroom

Biological evidence often contains mixtures of DNA from two or more individuals, which makes the evidence difficult to interpret. To address this issue, NIJ awarded Boston University a training grant to focus on complex DNA mixture interpretation. With this award, Boston University has provided training workshops on the analysis and interpretation of mixtures to practitioners across the country. This session will focus on the impact of thresholds on data interpretation and the difficulties presented as the number of contributors to a mixture increases. We also will discuss observations from Boston University's workshops on areas of DNA analysis that need additional training and consensus building. Presenters will discuss the Boston University mixture training website and comprehensive data set of two-, three-, and four-person mixtures. This data set can be used by forensic DNA laboratories in their own mixture interpretation training. The workshop will include a demonstration of how the website and data set can be beneficial to continued training.

- **Robin Cotton**, Associate Professor and Director of the Biomedical Forensic Sciences Program, Boston University School of Medicine, Boston, Massachusetts
- **John M. Butler**, National Institute of Standards and Technology Fellow and Group Leader, Applied Genetics Group, Biochemical Science Division, Material Measurement Laboratory, National Institute of Standards and Technology, Gaithersburg, Maryland
- **Charlotte Word**, Private Consultant, Gaithersburg, Maryland
- **Mike Coble**, Forensic Biologist, Applied Genetics Group, Biochemical Science Division, Material Measurement Laboratory, National Institute of Standards and Technology, Gaithersburg, Maryland

Biographies

Lynn Abbott: Dr. Abbott is a faculty member at Virginia Tech in the Bradley Department of Electrical and Computer Engineering. He received a B.S. degree from Rutgers University, an M.S. from Stanford University and a Ph.D. from the University of Illinois, all in electrical engineering.

Summer Acevedo: Ms. Acevedo is an Intelligence Analyst with the FBI's Indian Country Crimes Unit. She received a B.A. in criminology and psychology from Florida State University and completed her M.A. in criminology and criminal justice at the University of Maryland. Ms. Acevedo is currently a doctoral student in the Department of Criminology and Criminal Justice at the University of Maryland, College Park.

Nazmia Alqadi: Ms. Alqadi is a Program Analyst with the U.S. Department of Justice Office of Community Oriented Policing Services. She received her B.A. in psychology from the University of Rochester and her M.S. in criminal justice from the University at Albany, State University of New York.

Angie Ambers: Ms. Ambers is an adjunct instructor at the University of North Texas. She has a master's degree in forensic genetics from the University of North Texas Health Science Center and a master's degree in criminology from the University of Texas at Arlington, and she is pursuing a Ph.D. in molecular biology.

Karen Amendola: Dr. Amendola is the Chief Operating Officer at the Police Foundation. She received her M.A. and Ph.D. in industrial and organizational psychology from George Mason University.

Dan Anderson: Mr. Anderson is the Supervising Criminalist/Toxicologist in the Forensic Science Laboratories of the Los Angeles County Department of Coroner in Los Angeles, Calif. He received a B.S. from Colorado State University in Fort Collins, Colo., in 1988 and an M.S. in forensic science from the University of New Haven in West Haven, Conn., in 1990.

Matthew Antonik: Dr. Antonik is an Assistant Professor at the University of Kansas where he investigates how molecular scale physics drive larger scale organization and dynamics. In 1994, he received a Ph.D. in physics from the University of Maine, where he investigated the surface morphology of ceramic materials.

Kelly Ayers: Ms. Ayers is a curriculum developer with the West Virginia University Forensic Science Initiative. She received her undergraduate degree from Frostburg State University, graduated from the West Virginia University Forensic Identification Program and received her M.S. in forensic science administration from Oklahoma State University.

Bethany Backes: Ms. Backes is a Social Science Analyst at the National Institute of Justice and is responsible for a number of program areas, including violence against women, researcher-practitioner partnerships, victim-specific evaluation and intervention research, and underserved victim populations. She holds an MSW and MPH from the University of Michigan and is currently working on her Ph.D. in social work at the University of Maryland, Baltimore.

Jack Ballantyne: Dr. Ballantyne is Professor of Chemistry at the University of Central Florida and Associate Director for Research at the National Center for Forensic Science.

Stephanie Barletta: Ms. Barletta is a student in the University of New Haven's forensic science graduate program with a concentration in advanced investigation. She received her undergraduate degree in forensic science from Virginia Commonwealth University.

Geoffrey Barnes: Dr. Barnes is an Assistant Research Professor at the University of Pennsylvania. He has more than two decades of experience working with large and complex data systems, including those of different criminal justice agencies in Australia, England and the United States.

John R. Battista: Dr. Battista is the Mary Lou Applewhite Professor of Biological Sciences at Louisiana State University and A&M College. His research interest is in developing techniques to facilitate the retrieval and phylogenetic characterization of DNA from complex environmental samples. He received his Ph.D. in chemistry and his M.S. and B.S. degrees in biology.

Michael Baylor: Dr. Baylor is currently Co-Director of the Center for Forensic Sciences at RTI International, where he oversees forensic science research and continuing education and training programs for forensic scientists. He also serves as the Director of the Forensic Technology Center of Excellence.

Brittania J. Bintz: Ms. Bintz is a Forensic Research Scientist specializing in mitochondrial DNA analysis in the laboratory of Dr. Mark R. Wilson at Western Carolina University. She received her B.S. in microbiology from the University of South Florida and her M.S. in chemistry from Western Carolina University.

Cynthia Bir: Dr. Bir is an Associate Professor at Wayne State University in the Biomedical Engineering Department and School of Medicine, and serves as Co-Director of Research for the Department of Orthopedic Surgery. She received her Ph.D. in biomedical engineering from Wayne State University in 2000.

Clifton P. Bishop: Dr. Bishop is currently an Associate Professor and the Associate Chair of Biology at West Virginia University. He obtained his Ph.D. in biology from the University of Virginia.

Dara Blachman-Demner: Dr. Blachman-Demner is a Social Science Analyst at the National Institute of Justice. A licensed psychologist, she received her Ph.D. 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-Chicago.

Sarah Boonstoppel: Ms. Boonstoppel is a Ph.D. candidate in criminology and criminal justice at the University of Maryland. Currently, she is examining how becoming a parent relates to social and subjective changes implicated in the desistance process.

Anthony A. Braga: Dr. Braga is a Professor in the School of Criminal Justice at Rutgers, The State University of New Jersey, and a Senior Research Fellow in the Program in Criminal Justice Policy and Management at Harvard University. He is also a member of the University of Chicago Crime Lab and a Senior Fellow in the Chief Justice Earl Warren Institute on Law and Social Policy at the University of California, Berkeley. He received his MPA from Harvard University and his Ph.D. in criminal justice from Rutgers University.

Steven Branigan: Mr. Branigan is the CEO of CyanLine and an information security management technology expert. He is also a professor at Stevens Institute of Technology. Mr. Branigan has master's degrees in computer science and business administration.

Alison Brooks: Ms. Brooks is a Research Assistant with the National Institute of Justice. She is currently a Ph.D. student in the Department of Justice, Law and Society at American University in Washington, D.C.

Brad Bryant: Mr. Bryant is Executive Director of People Places, Inc. of Virginia, one of the first therapeutic foster care programs in the nation. He is a graduate of Yale College and holds an MPA from the University of Virginia.

Jim Bueermann: Mr. Bueermann is an Executive Fellow with the National Institute of Justice and a Senior Fellow at George Mason University. He worked for the Redlands (Calif.) Police Department for 33 years and was appointed Chief of Police in 1998. He is a graduate of California State University, San Bernardino; the University of Redlands; the FBI National Academy; and the California Command College.

William D. Burrell: Mr. Burrell is an independent Corrections Management Consultant specializing in community corrections, evidence-based practices and performance measurement. He is Chairman of the Editorial Committee for *Perspectives*, the journal of the American Probation and Parole Association, and serves as a member of the National Institute of Justice's Community Corrections Research Topical Working Group.

John M. Butler: Dr. Butler is a Fellow and Group Leader of Applied Genetics at the National Institute of Standards and Technology. He is the author of the internationally acclaimed textbook *Forensic DNA Typing* and has written more than 100 scientific articles and book chapters.

Leonard Butt: Mr. Butt is a Certified Latent Print Examiner managing the Maryland State Police Forensic Sciences Laboratory Pattern Evidence Section. He holds an A.A. with concentrations in criminal justice and photography and attended the FBI National Academy.

Debi Cain: Ms. Cain is the Executive Director of the Michigan Domestic Violence Prevention and Treatment Board. She has a BSW in psychology and political science and a master's in administration.

Alexander M. Calabrese: Hon. Alexander M. Calabrese is an Acting Supreme Court Justice of the State of New York and the Presiding Judge of the Red Hook Community Justice Center. He is an Adjunct Professor at the New York University Graduate School of Social Work.

Rebecca Campbell: Dr. Campbell is a Professor of Psychology and Program Evaluation at Michigan State University. Her current work, funded by the National Institute of Justice, focuses on Sexual Assault Nurse Examiner programs and the criminal justice system.

Joel M. Caplan: Dr. Caplan is an Assistant Professor at the Rutgers University School of Criminal Justice and Associate Director of the Rutgers Center on Public Security, where he co-developed risk terrain modeling methods for crime analysis. He earned his Ph.D. in social welfare from the University of Pennsylvania.

Marina Carboni: Ms. Carboni is a Mechanical Engineer on the Ballistics Technology Team at the U.S. Army Natick Soldier Research, Development and Engineering Center in the Warfighter Science, Technology and Applied Research Directorate. She earned her master's in biomedical engineering from Worcester Polytechnic Institute.

Christian Carson: Dr. Carson has nine years of experience as Laboratory Co-Director at the Paternity Testing Corporation reviewing human DNA identity and relationship test results. He received his B.S. in life sciences from the University of Missouri at Rolla in 1981 and his Ph.D. in molecular genetics from the Department of Horticulture at the University of Florida in 1993.

Jeremy Carter: Dr. Carter is an Assistant Professor in the Department of Criminology and Criminal Justice at the University of North Florida. He received his Ph.D. in criminal justice from Michigan State University.

Nicholas Castle: Dr. Castle is a Professor with the University of Pittsburgh in the Department of Health Policy & Management. He has more than 1,860 publications in peer-reviewed journals and is working on five grant-funded initiatives addressing the quality of nursing homes.

Joseph L. Cecile: Deputy Chief Cecile is a 26-year veteran of the Syracuse (N.Y.) Police Department. As Deputy Chief of the Community Services Bureau, he has focused on developing and implementing problem-solving strategies that address chronic public safety issues, improve citizens' satisfaction and maximize department efficiency. He holds a B.A. from Syracuse University.

Janet Chiancone: Ms. Chiancone is the Associate Administrator for Budget and Planning at the Office of Juvenile Justice and Delinquency Prevention. She earned her M.S. degree in family and community development from the University of Maryland.

Albert Y. Chu: Dr. Chu is an Assistant Medical Examiner at the Harris County Institute of Forensic Sciences in Houston, Texas, and is a member of the Harris County Child Fatality Review Team. He is certified by the American Board of Pathology in anatomic, clinical and forensic pathology.

Jennifer E. Cobbina: Dr. Cobbina is an Assistant Professor in the School of Criminal Justice at Michigan State University. Her recent work in this area examines why women reoffend, the reasons former female offenders cease criminal behavior, and the methods they use to sustain desistance.

Mike Coble: Dr. Coble is a Forensic Biologist in the Applied Genetics Group at the National Institute of Standards and Technology. Dr. Coble received his M.S. in forensic science and his Ph.D. in genetics from The George Washington University.

David Cohen: Dr. Cohen has served as Program Manager for Government & Applied Markets at Advanced Liquid Logic since November 2011 and is an inventor on 16 issued U.S. patents. Dr. Cohen has a Ph.D. in biochemistry and biophysics from the University of North Carolina at Chapel Hill.

Richard Conners: Dr. Conners is a research professor in the Bradley Department of Electrical and Computer Engineering at Virginia Tech. He received his Ph.D. from the University of Missouri.

Kendon J. Conrad: Dr. Conrad is Professor Emeritus of Public Health at the University of Illinois at Chicago, where he teaches measurement. He currently works with Dr. Michael Dennis at Chestnut Health Systems as Senior Research Scientist under a grant from SAMHSA. He and Dr. Madelyn Iris have been awarded grants from the National Institute of Justice to measure elder abuse and from the Retirement Research Foundation to develop an elder self-neglect assessment system.

Christopher Cooney: Dr. Cooney is director of engineering at Akonni Biosystems. He manages the hardware, microfluidic biochip and integrated cartridge development of nucleic acid and protein gel-drop microarrays.

Lauren Cooney: Ms. Cooney serves as Chief of the Examination Services Branch for the U.S. Army Biometrics Identity Management Agency and is an International Association for Identification Certified Latent Print Examiner. She holds B.S. and MFS degrees.

Peter A. Cooper: Dr. Cooper is a professor and Chair of the Department of Computer Science at Sam Houston State University. He received his M.A. and Ph.D. from the University of Missouri.

Robin Cotton: Dr. Cotton is an Associate Professor and the Director of the Program in Biomedical Forensic Sciences at the Boston University School of Medicine. She has B.S. and M.S. degrees from Southern Methodist University and a Ph.D. in molecular biology and biochemistry from the University of California, Irvine.

Michael M. Cox: Dr. Cox is a Professor of Biochemistry at the University of Wisconsin–Madison. His laboratory has worked on recombinational DNA repair processes in bacteria for 30 years. He received his B.A. from the University of Delaware and his Ph.D. from Brandeis University. He did postdoctoral work at Stanford University.

Christine Crossland: Ms. Crossland is a Senior Social Science Analyst with the National Institute of Justice. She is currently working to coordinate the establishment of a broad and enhanced research agenda in the area of American Indian and Alaska Native crime and justice issues with federal, state and tribal stakeholders.

Jacqueline Crossler: Ms. Crossler is a Research Scientist at Bode Technology. Her current work focuses on low copy DNA processing. She holds a master's degree in biodefense and a bachelor's degree in biology from George Mason University.

Heather Cunningham: Ms. Cunningham is Senior Scientist in the Applied Research and Research and Development teams at Bode Technology. She holds a B.S. in biology from Siena College and an M.S. in biology with a concentration in forensic molecular biology from the University at Albany, State University of New York.

Ric Curtis: Dr. Curtis is the Chair of the Anthropology Department at the John Jay College of Criminal Justice. Since 1978, he has conducted ethnographic research in New York City and the surrounding area. His current projects include a study of youth and crime in the South Bronx.

Ron D'Amico: Dr. D'Amico is President and Senior Social Scientist at Social Policy Research Associates. He earned a Ph.D. in sociology from Johns Hopkins University and has published in leading professional journals.

Phillip B. Danielson: Dr. Danielson is Professor of Molecular Biology at the University of Denver, where, in addition to teaching, he directs a forensic R&D program and serves as a DNA consultant to forensic testing laboratories. His research focuses on DNA mixtures, trace DNA analysis and the use of comparative proteomics to identify biological stains.

Jon Davoren: Mr. Davoren is the Director of Applied Research at Bode Technology, where he oversees the analysts and technicians operating high-throughput laboratory equipment and performing validation work for lab operations. He received his M.S. in molecular biology and his B.S. in biochemistry from the University of Lethbridge in Canada.

Kim Day: Ms. Day is the SAFE Technical Assistance Coordinator for the International Association of Forensic Nurses, where she disseminates the National Protocol for Sexual Assault Medical Forensic Examinations and gives technical assistance. She has been a nurse since 1978, and a forensic nurse examiner since 1998.

Deborah S. Delisle: Ms. Delisle is the Assistant Secretary of Elementary and Secondary Education for the U.S. Department of Education. She earned a B.S. from Springfield College and an M.Ed. from Kent State University, where she also engaged in postgraduate studies.

Anne P. DePrince: Dr. DePrince is an Associate Professor in the Psychology Department at the University of Denver (DU) and directs DU's Center for Community Engagement and Service Learning. She completed her Ph.D. at the University of Oregon and a clinical internship at the University of Washington School of Medicine.

Steve Derene: Mr. Derene has been Executive Director of the National Association of Victims of Crime Act (VOCA) Assistance Administrators since its creation in 2001. He represents state agencies that administer state VOCA victim assistance grants. Mr. Derene previously worked for the Wisconsin Justice Department.

Ken Dieffenbach: Mr. Dieffenbach is a Senior Special Agent with the U.S. Department of Justice, Office of the Inspector General, Fraud Detection Office, located in Arlington, Va. He received his undergraduate degree in business and accounting from The Citadel in Charleston, S.C., and his graduate degree in criminal justice from the University of Alabama at Birmingham.

Toni Marie Diegoli: Ms. Diegoli is a Research Scientist supporting the Armed Forces DNA Identification Laboratory, where she has worked for the last eight years. She is also an external doctoral candidate at Flinders University.

Brecht Donoghue: Ms. Donoghue serves as Research Coordinator for the Office of Juvenile Justice and Delinquency Prevention. She holds an MPP degree from the Institute for Policy Studies at Johns Hopkins University and a Certificate in Nonprofit Management from the Center for Civil Society Studies at Johns Hopkins University.

Cristin Dorgelo: Ms. Dorgelo is Assistant Director for Grand Challenges with the Office of Science and Technology Policy in the Executive Office of the President, focusing on grand challenges and incentive prizes for open innovation. She holds a B.A. in history with a minor in anthropology from the University of California, Los Angeles.

James Doyle: Mr. Doyle is a Visiting Fellow at the National Institute of Justice. The former head of the Public Defender Division in Massachusetts, he practices law in Boston. He received his B.A. from Trinity College, his J.D. from Northwestern University School of Law, and his LL.M from Georgetown University, where he was an E. Barrett Prettyman Fellow.

Darin Durfey: Mr. Durfey is Chief Deputy of the Utah County Sheriff's Office. For more than two years, he has been responsible for oversight of the Utah County Corrections Bureau Detention Response Team. He is a member of the National Sheriffs' Association and is currently serving on the National Institute of Justice's Stab-resistant Body Armor Special Technical Committee.

Brenda Eich: Ms. Eich is the Director of Research and Analysis for the Metropolitan Police Department of Washington D.C. She holds both a master's degree in sociology and a bachelor's degree in psychology from Southern Illinois University at Edwardsville.

Arthur Eisenberg: Dr. Eisenberg is Professor and Chair of the Department of Forensic and Investigative Genetics at the University of North Texas (UNT) Health Science Center. He is the Co-Director of the UNT Center for Human Identification, which includes operational laboratories for forensic DNA analysis, relationship (parentage) testing, and the identification of missing persons and human remains.

Christopher Epps: Mr. Epps is the Commissioner of the Mississippi Department of Corrections and is the longest serving commissioner in the state's history. He has an M.S. degree in guidance and counseling from Liberty University and a B.A. degree from Mississippi Valley State University.

Chad Ernst: Mr. 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. His experience includes 12 years with the Armed Forces DNA Identification Laboratory.

Amy Farrell: Dr. Farrell is an Assistant Professor of Criminology and Criminal Justice at Northeastern University. She received a B.A. in government from Beloit College, an M.A. in sociology from the University of Delaware, and a Ph.D. in law, policy and society from Northeastern University.

Stephana (Larkin) Fedchak: Ms. Fedchak has been with the Las Vegas Metropolitan Police Department as a Forensic Scientist in Controlled Substance Analysis since 2008. She attended the University of Illinois at Urbana-Champaign and the University of Illinois at Chicago, where she received a degree in molecular and integrative physiology with a minor in chemistry and a degree in anthropology with a focus in forensic anthropology.

Thomas E. Feucht: Dr. Feucht is Executive Senior Science Advisor at the National Institute of Justice, U.S. Department of Justice. He received his Ph.D. in sociology in 1986 from the University of North Carolina at Chapel Hill with an emphasis on quantitative research methods and statistics.

Frederick Fochtman: Dr. Fochtman is Director of the Institute of Forensic Science and Law and the Master of Science, Forensic Science and Law Program at Duquesne University in Pittsburgh. He is on the faculty at Duquesne University, serving as Department Chair of Pharmacology-Toxicology, and is a Committee Chair and Board Member for the American Board of Forensic Toxicology.

David Foran: Dr. Foran is an Associate Professor and the Director of the Forensic Science Graduate Program at Michigan State University. He obtained his Ph.D. in molecular genetics from the University of Michigan and was a postdoctoral fellow at McGill University in Montreal.

Amanda Forster: Ms. Forster is a Materials Research Engineer with the Law Enforcement Standards Offices at the National Institute of Standards and Technology. She has an M.S. in textile, fiber and polymer science and a B.S. in textile chemistry from Clemson University. She is a Ph.D. candidate in materials science and engineering at the University of Maryland at College Park.

Nadine Frederique: Dr. Frederique is a Social Science Analyst at the National Institute of Justice managing research about corrections, alternatives to corrections and indigent defense. She received her doctorate from the University of Maryland where she was a Sutherland Fellow.

Amanda Fujikawa: Ms. Fujikawa is currently working on her Ph.D. at the University of Nebraska–Lincoln with Dr. Leon Higley. She received her master's degree at the University of Nebraska–Lincoln in 2009.

Christian Geckeler: Mr. Geckeler is a Social Scientist at Social Policy Research Associates and serves as the Task Leader for the Department of Justice's evaluation of the Second Chance Act Adult Demonstration Program. He received his MPP from the University of California, Berkeley.

Marie Garcia: Dr. Garcia is a Social Science Analyst at the National Institute of Justice. Her portfolio includes criminal justice technology evaluations and re-entry and corrections issues. Dr. Garcia received her Ph.D. in criminal justice from Temple University and her master's and bachelor's degrees from California State University, Fresno.

Katherine Butler Gettings: Ms. Gettings is a Ph.D. candidate in biological sciences at The George Washington University, where she conducts research on forensically relevant SNPs in the lab of Dr. Daniele Podini. She has more than 10 years of forensic DNA casework experience.

Patricia Gleason: Ms. Gleason serves as President for the Safety Equipment Institute (SEI), where she oversees all contracts with domestic and international testing laboratories, quality assurance auditors and participating manufacturers, as well as SEI's operations. She received her B.S. from Frostburg State University and her MBA from Marymount University.

Kim Godfrey: Ms. Godfrey is Executive Director of PbS Learning Institute, Inc., a national organization dedicated to improving juvenile justice programs. She earned an M.S. in journalism from Northwestern University and an M.A. in criminal justice from Northeastern University.

Kim Gorman: Ms. Gorman is the DNA technical leader for Paternity Testing Corporation (PTC) Laboratories. Prior to joining PTC, she was a DNA criminalist for the St. Louis (Mo.) Metropolitan Police Department.

Jon Gould: Dr. Gould is Professor and Director of the Washington Institute for Public and International Affairs Research at American University, where he holds faculty appointments in the School of Public Affairs and College of Law. A lawyer and social scientist, Dr. Gould combines empirical research with policy advocacy to promote democracy and the rule of law.

Mark Greene: Dr. Greene is the Program Manager for Biometrics and Operations Research at the National Institute of Justice. He has been involved in numerous research efforts involving 3-D analysis of biological and organic materials and quantitative measurement tools for bionanotechnology. He holds bachelor's and doctorate degrees in materials science and engineering and a bachelor's degree in communications from Northwestern University.

Peter Greenwood: Dr. Greenwood is the Executive Director of the Association for Advancing Evidence Based Practice and maintains a private consulting practice. He is a graduate of the U.S. Naval Academy and earned a Ph.D. at Stanford in industrial engineering.

Catherine M. Grgicak: Dr. Grgicak is an Instructor in the Biomedical Forensic Sciences Program at Boston University School of Medicine. Dr. Grgicak received a B.S. in physical science and a B.Ed. in 1998, an MSFS in 2000, and a Ph.D. in chemistry in 2007.

Michelle Gruzs: Ms. Gruzs is the FBI's Indian Country Crimes Unit Chief at FBI Headquarters in Washington, D.C. Prior to this position, Ms. Gruzs supervised a gang, drug and organized crime squad in Denver, Colo., as well as within the Crimes Against Children Unit at FBI Headquarters.

Leslie A. Hagen: Ms. Hagen serves as the Department of Justice's (DOJ) first National Indian Country Training Coordinator; she is also a liaison and technical assistance provider to DOJ components and the Attorney General's Advisory Committee on Native American Issues. She received her J.D. from Valparaiso School of Law.

Carolyn Hardin: Ms. Hardin is the Senior Director of the National Drug Court Institute. Ms. Hardin received her MPA from the University of Akron in Ohio. She received her B.A. in public administration from Talladega College in Alabama.

Barbara J. Hart: Ms. Hart is the Director of Violence Against Women Initiatives and Director of Strategic Justice Initiatives in the Justice Policy Program of the Cutler Institute on Health and Social Policy of the Muskie School of Public Service at the University of Southern Maine. She has served as a leader in national efforts to implement the Violence Against Women Act.

Kerry Hayes: Ms. Hayes is the Director of Planning and Research for the Baltimore Police Department, where her division provides analytical support to patrol and investigations. She received her M.S. in criminal justice from Saint Joseph's University and received her B.A. in psychology from Syracuse University.

Jay Henry: Mr. Henry is Laboratory Director at the Utah Bureau of Forensic Services with responsibilities that include laboratory operations, training, curriculum development and legislative advocacy. He received his B.S. degree in forensic science from California State University at Sacramento.

George Herrin, Jr.: Dr. Herrin is the Deputy Director of the Georgia Bureau of Investigation-Division of Forensic Sciences, where he has worked since late 1989. He received his Ph.D. in biochemistry in 1985 from Rice University and completed approximately two years of postdoctoral research at Texas A&M University.

Chuck Heurich: Mr. Heurich is a Program Manager at the National Institute of Justice. He received his B.S. in biology from Slippery Rock University of Pennsylvania and his M.S. in forensic science from The George Washington University.

John Hill: Dr. Hill serves as an Assistant Professor at the Michigan Technological University; his research focuses on the design and enhancement of systems that can respond to the evolving needs of the user. He received his Ph.D. and MBA from the University of Iowa.

Thomas J. Holt: Dr. Holt is an Associate Professor in the School of Criminal Justice at Michigan State University. He received his Ph.D. in criminology and criminal justice from the University of Missouri-Saint Louis in 2005.

Max M. Houck: Dr. Houck is an internationally recognized forensic expert with research interests in forensic science, education, and the forensic enterprise and its industries. He is Co-Editor of the journal *Forensic Science Policy and Management* and also co-authored *Fundamentals of Forensic Science*.

Allan R. Hunt: Mr. Hunt is the founder and President of AKELA, Inc., which focuses on the application of radar sensor and signal processing for military and law enforcement operations and intelligent software for security vulnerability and risk assessment. He has a BSEE degree from the U.S. Air Force Academy, an MSEE degree from Stanford University and an MBA from California State College.

Jordan Hyatt: Mr. Hyatt is the Senior Research Coordinator at the Jerry Lee Center of Criminology at the University of Pennsylvania. His research focuses on the impact of cognitive behavioral therapy and social networks on high-risk probationers, randomized experiments in criminology, and the integration of risk assessment into sentencing decisions.

Seri Irazola: Dr. Irazola is a Manager at ICF International. She received her M.S. and Ph.D. in justice and public policy from American University and her B.S. from the University of Michigan.

Madelyn Iris: Dr. Iris is an Adjunct Associate Professor at the Feinberg School of Medicine at Northwestern University, and Director of the Leonard Schanfield Research Institute at CJE SeniorLife, a large multiservice organization serving elders in the Chicago metropolitan area. She received her Ph.D. in anthropology from Northwestern University.

Jodi Irwin: Ms. Irwin is Chief of Research at the Armed Forces DNA Identification Laboratory.

Kristen Johnson: Dr. Johnson is the Senior Researcher for Adult Protective Service assessment development efforts in New Hampshire and California. She holds a Ph.D. in human development and family studies, an M.A. in policy analysis, and a B.A. in sociology with a concentration in analysis and research from the University of Wisconsin–Madison.

Christopher Jones: Dr. Jones is a Lead Subject Matter Expert on prescription drug overdose in the Injury Center at the Centers for Disease Control and Prevention. He is a pharmacist and public health practitioner by training and primarily focuses his prescription drug overdose work on strategic policy development and implementation.

Lerone Joseph: Mr. Joseph is an M.S. candidate in criminal justice at the University of New Haven with a concentration in justice management.

Nola Joyce: Ms. Joyce is Deputy Commissioner and Chief Administrative Officer for the Philadelphia Police Department, where she heads the Office of Strategic Initiatives and Innovation. She is working with the department's executive staff to bring a business approach to strategic and tactical planning and programming based on analysis, research and best practices.

Robert A. Joyce: Dr. Joyce joined ATC-NY in 2002 and serves as the Technical Director for Information Management, guiding and contributing to research and development efforts in the fields of information management and dissemination, peer-to-peer systems, visualization, and information pedigree.

Roger Kahn: Dr. Kahn is the Forensic Genetics Laboratory Director for the Harris County Institute of Forensic Sciences. He is certified by the American Board of Criminalistics as a Fellow in Molecular Biology. Dr. Kahn earned his Ph.D. in human genetics from Yale University in 1983.

Sree Kanthaswamy: Dr. Kanthaswamy is an associate adjunct professor at the University of California, Davis. He received his Ph.D. in genetics from the University of California, Davis in 2001.

Kenneth Kidd: Dr. Kidd, a human population geneticist, is a professor of genetics, psychiatry, and ecology and evolutionary biology at the Yale University School of Medicine. His laboratory is currently active developing panels of single-nucleotide polymorphisms for various uses in forensics and developing FROG-kb, the Forensic Resource/Reference on Genetics-knowledge base.

Brian A. Kilcullen: Mr. Kilcullen is Assistant Chief of the Schenectady (N.Y.) Police Department, overseeing the Field Services Bureau. Assistant Chief Kilcullen holds a B.S. from Siena College and an MPA from Marist College.

Nancy Kingsbury: As Managing Director for Applied Research and Methods at the Government Accountability Office (GAO), Dr. Kingsbury is responsible for managing GAO's advanced technical staff. She has a B.A. from the University of Miami and a Ph.D. from Johns Hopkins University.

Mark Kleiman: Dr. Kleiman is a Visiting Fellow at the National Institute of Justice and Professor of Public Policy at the University of California, Los Angeles. He has written several best-selling books, including *When Brute Force Fails: How to Have Less Crime and Less Punishment*. Dr. Kleiman graduated from Haverford College and received his M.P.P. and Ph.D. from the Kennedy School at Harvard University.

Andrew Klein: Dr. Klein is a Senior Research Analyst at Advocates for Human Potential, Inc. He has served as a principal investigator for a 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.

Pamela Korda: Dr. Korda is a senior scientist at Arrayx, where she has worked on developing optical trapping technology and applications. She received her Ph.D. in physics from the University of Chicago in 2002.

Aaron Kupchik: Dr. Kupchik is an Associate Professor in the Department of Sociology and Criminal Justice at the University of Delaware. His research focuses on the punishment of youth in schools, courts and correctional facilities.

Greggory S. LaBerge: Dr. LaBerge is the Director and Commander of the Denver Police Department Crime Laboratory and has worked at the Denver Police Department for 16 years. He holds an Honours B.S. in molecular biology and genetics from the University of Guelph, an M.S. in biostatistics from the University of Colorado Health Sciences Center and a Ph.D. in Human Medical Genetics from the University of Colorado Anschutz Medical Campus.

Melissa Labriola: Ms. Labriola is Associate Director of Research at the Center for Court Innovation. She is currently the principal investigator of a randomized trial testing the impact of intensive judicial monitoring on domestic violence offenders and an evaluation of specialized domestic violence courts.

Mark Lachs: Dr. Lachs is Director of Geriatrics for the New York Presbyterian Health System, Co-Chief of the Division of Geriatric Medicine and Gerontology at the Weill Medical College of Cornell University, and the Irene F. and I. Roy Psaty Distinguished Professor of Medicine. He is currently the principal investigator of a National Institute of Justice and National Institute on Aging-funded study of interpersonal aggression in nursing home residents.

John H. Laub: Dr. Laub was nominated by President Barack Obama to be the Director of the National Institute of Justice. He was confirmed by the Senate in 2010. In 2011, he and his longtime collaborator Dr. Robert Sampson won the Stockholm Prize in Criminology. Before joining NIJ, Dr. Laub was a Distinguished University Professor at the University of Maryland, College Park. He has co-authored two award-winning books and authored numerous articles in the areas of crime and deviance over the life course, juvenile delinquency and juvenile justice, and the history of criminology.

Cecelia Laurie: Dr. Laurie is a research scientist in the Department of Biostatistics at the University of Washington, where she is involved in the analysis of data for genome-wide association studies. She received her Ph.D. in mathematics from the University of California, Berkeley.

Nancy G. La Vigne: Dr. La Vigne is Director of the Justice Policy Center at the Urban Institute. She holds a B.A. in government from Smith College, a Master's Degree in Public Affairs from the LBJ School of Public Affairs at the University of Texas at Austin, and a Ph.D. from the School of Criminal Justice at Rutgers, The State University of New Jersey.

Mary Lou Leary: Ms. Leary is the Acting Assistant Attorney General for the Office of Justice Programs (OJP), where she oversees an annual budget of more than \$2 billion dedicated to supporting state, local and tribal criminal justice agencies. Previously she has been the Principal Deputy Assistant Attorney General at OJP, the executive director of the National Center for Victims of Crime and Acting Director of the Office of Community Oriented Policing Services.

Igor K. Lednev: Dr. Lednev is an Associate Professor at the University at Albany, State University of New York. He is also an Advisory Member for the White House Subcommittee on Forensic Science and serves on the editorial boards of three scientific journals, including the *Journal of Raman Spectroscopy*.

Cynthia Lee: Ms. Lee is a Court Research Associate at the National Center for State Courts. Ms. Lee holds a J.D. from the William & Mary Law School and an MPP from the Thomas Jefferson Program in Public Policy at the College of William & Mary.

Young K. Lee: Dr. Lee is a lead scientist at Morpho Detection, Inc. He has been working as a researcher specializing in magnetic resonance and quadrupole resonance experimentation and numerical modeling for more than 20 years.

Jonathan Lewin: Commander Lewin is Managing Deputy Director at the City of Chicago Office of Emergency Management and Communications, overseeing technology for police, fire and emergency management. He completed a B.S. in administration of justice at Southern Illinois University, a master's in public policy and administration at Northwestern University, and is currently enrolled at the U.S. Naval Postgraduate School's Center for Homeland Defense and Security.

Richard Li: Dr. Li is a faculty member in the forensic science program of the Department of Sciences at John Jay College of Criminal Justice. He received his Ph.D. in molecular biology from the University of Wisconsin–Madison and his M.S. in forensic science from the University of New Haven.

Xiaodong Li: Mr. Li is a master's student in the Department of Computer Science at Sam Houston State University.

Qingzhong Liu: Dr. Liu is an assistant professor in the Department of Computer Science at Sam Houston State University. He received his Ph.D. from the New Mexico Institute of Mining and Technology.

Xiaoming Liu: Dr. Liu serves as a Researcher in the Visualization and Computer Vision Lab at General Electric Global Research, where his work focuses on a variety of areas including computer vision, pattern recognition, machine learning and biometrics. He obtained his M.S. in computer science from Zhejiang University, China, in 2000 and his Ph.D. in electrical and computer engineering from Carnegie Mellon University in 2004.

Jennifer Loudon: Ms. Loudon has spent more than 20 years in education, with the last 10 years in strategic planning, behavioral interventions and school climate development throughout the Chicago Public Schools (CPS). Under her leadership, CPS received more than \$25 million in grants and is now the largest behavioral health provider in Chicago.

Sabina Low: Dr. Low is an Assistant Research Professor at Arizona State University. She obtained her Ph.D. in child psychology at the University of Denver.

Thomas M. MacLellan: Mr. MacLellan is Director of Homeland Security and Public Safety Division at the National Governors Association (NGA), Center for Best Practices. He oversees the NGA's Center for Best Practices' work on homeland security and public safety policy issues.

Milind Mahajan: Dr. Mahajan is a Research Scientist at Teledyne Scientific Company with expertise in imaging and nonimaging optics and liquid crystal devices. He holds a B.Tech. in engineering physics from the Indian Institute of Technology and a Ph.D. in physics from Case Western Reserve University.

Andrew Mahoney: Mr. Mahoney is a graduate student studying community psychology at the University of New Haven. He earned bachelor's degrees in criminal justice and psychology at the University of New Haven.

Aris Makris: Dr. Makris is Chief Technology Officer and Corporate Vice President of Allen-Vanguard Corp. He received his Ph.D. in mechanical engineering from McGill University, where he has served as Chief Technology Officer and Vice President.

Tammi Wark Marcoullier: Ms. Marcoullier is Program Manager for Challenge.gov and Team Lead for GSA Center for Excellence in Digital Government's Engagement & Outreach team, encompassing citizen engagement tools, #gov20, #innovation and online strategy. She earned a B.A. in English, with a concentration in film & media studies, from George Mason University.

Eric Martin: Mr. Martin is a Social Science Analyst at the National Institute of Justice, where he manages research in wrongful conviction, community corrections and policing. He received his B.A. from Northern Michigan University and his M.A. from Purdue University.

Ramiro Martínez, Jr.: Dr. Martínez is a Professor in the School of Criminology and Criminal Justice and the Department of Sociology and Anthropology at Northeastern University. He received his Ph.D. in sociology from The Ohio State University.

Deborah McAvoy: Dr. McAvoy joined Ohio University's Civil Engineering Department in the fall of 2007. She completed her M.S. degree in transportation engineering from Wayne State University and her B.S. degree in civil engineering from the University of Detroit. She received her Ph.D. from Wayne State University.

Bruce McCord: Dr. McCord is a Professor of Analytical and Forensic Chemistry at Florida International University and Associate Director of the International Forensic Research Institute. His research interests involve the development of chromatographic methods in forensic chemistry and molecular biology.

Amanda McGlinchy-Tudor: Ms. McGlinchy-Tudor is a Research Associate for the Philadelphia Adult Probation and Parole Department. She graduated from Saint Joseph's University in 2007 with a B.S. in criminal justice and from the University of Pennsylvania in May 2011 with an M.S. in criminology.

Sarah J. McLean: Dr. McLean is the Associate Director and the Director of Research and Technical Assistance at the John F. Finn Institute for Public Safety, Inc. She holds a Ph.D. in criminal justice from the University at Albany, State University of New York, with a specialization in policy and process.

Nancy Merritt: Dr. Merritt is the Senior Policy Advisor at the National Institute of Justice, where she oversees the Technology Operational Evaluation portfolio and serves as a liaison to numerous government entities. She previously held faculty and research positions with the RAND Corporation, Rutgers and California State Universities, and the Virginia, Pennsylvania and Ohio state governments.

Holly Ventura Miller: Dr. Miller is an Assistant Professor of Criminal Justice at the University of Texas at San Antonio where her research focuses on immigration and crime, juvenile delinquency, drug abuse treatment, and program evaluation. She received a Ph.D. in sociology from the University of South Carolina in 2006.

Hannah Mills: Ms. Mills is an economist working in Crime and Policing Analysis in the U.K. Home Office. She has a B.Sc. (Hons.) in economics (University of York), masters-level training in economics (University of London) and an M.A. in contemporary ethics (University of London).

Brian Montgomery: Mr. Montgomery is a Physical Scientist at the National Institute of Justice and serves as the Program Manager for the Officer Safety and Protective Equipment Technologies portfolio. He has a bachelor's degree in engineering physics from West Virginia Wesleyan College.

David E. Moody: Dr. Moody is Associate Director of the Center for Human Toxicology and Research Professor in the Department of Pharmacology and Toxicology at the University of Utah. He received his B.A. in chemistry and his Ph.D. in experimental pathology from the University of Kansas.

Lois Moorman: Ms. Moorman is the Program Administrator for the Office of Elder Rights at the Illinois Department on Aging. She has worked with the State of Illinois' Elder Abuse and Neglect Program for the past 14 years, serving as a liaison with community-based elder abuse provider agencies, participating in policy and program development, and providing training and public education.

Stephen L. Morgan: Dr. Morgan is a Professor in the Department of Chemistry and Biochemistry at the University of South Carolina. He received a B.S. in chemistry from Duke University, and his M.S. and Ph.D. degrees from Emory University.

James Moulton: Mr. Moulton is the Director of the Signatures, Sensors, Services & Products subdivision under the Special Programs Directorate for EOIR Technologies.

Carrie Mulford: Dr. Mulford is a Social Science Analyst at the National Institute of Justice. Her portfolios include research and evaluation projects on violence and abuse throughout the life span, including child abuse, teen dating violence and elder abuse. Dr. Mulford received her doctorate from the University of Virginia.

Edward P. Mulvey: Dr. Mulvey is a Professor of Psychiatry and Director of the Law and Psychiatry Program at the University of Pittsburgh School of Medicine. He has done several large-scale studies regarding the link between mental illness and violence, the accuracy of clinical judgment regarding violence, and the development of serious adolescent offenders.

Samantha Neal: Ms. Neal is the instructional coordinator for the Forensic Science Initiative at West Virginia University. She has undergraduate degrees in forensic and investigative sciences and in chemistry.

Minh Nguyen: Ms. Nguyen is a Program Manager in the Office of Investigative and Forensic Sciences at the National Institute of Justice. Ms. Nguyen holds a bachelor's degree in biomedical engineering from Johns Hopkins University.

Robert J. Norris: Mr. Norris is a doctoral student in the School of Criminal Justice at the University at Albany, State University of New York. He received his B.A. in sociology from the University of North Carolina at Greensboro and his M.A. from the University at Albany.

Stan Orchowsky: Dr. Orchowsky is the Research Director of the Justice Research and Statistics Association (JRSA), where he manages all of JRSA's research and evaluation projects. He received his Ph.D. in experimental psychology from Virginia Commonwealth University.

Jane Palmer: Ms. Palmer is a Research Associate with the National Institute of Justice, where she works on the Violence Against American Indian and Alaska Native Women Program of Research. She received her MSW from the University of Illinois at Chicago and her B.A. in sociology from Smith College. She is a Ph.D. student in the Department of Justice, Law and Society at American University.

Michelle Peace: Dr. Peace is currently the Interim Chair at Virginia Commonwealth University's (VCU's) Department of Forensic Science. She is a member of the Scientific Working Group for Forensic Toxicology and the Board of Directors for the Society of Forensic Toxicologists. Dr. Peace has been with VCU for 10 years.

Andrew Penn: Mr. Penn is a Trial Attorney with the Civil Fraud Section of the U.S. Department of Justice with a primary focus on cases alleging fraud by long-term care providers who bill Medicare and Medicaid for materially substandard care. He received his J.D. from the University of California, Berkeley.

Joan Petersilia: Dr. Petersilia is an Adelbert H. Sweet Professor of Law and the Faculty Co-Director of the Criminal Justice Center at Stanford Law School. She received her Ph.D. in Criminology, Law and Society from the University of California, Irvine.

John T. Picarelli: Dr. Picarelli is a Program Manager in the National Institute of Justice's Office of Research Partnerships. He oversees the program on transnational issues, focusing on transnational organized crime, trafficking in persons and radicalization to violent extremism. He received his doctorate in international relations from American University in 2007.

Daniele Podini: Dr. Podini is an Assistant Professor in Forensic Molecular Biology and Biological Sciences at The George Washington University. He received his undergraduate degree at the University of Parma and his graduate education at the University of Rome.

Federica Pozzi: Dr. Pozzi is conducting postdoctoral research at the City College of New York and the Metropolitan Museum of Art to develop surface-enhanced Raman scattering methods and databases for the identification of dyes and other substances of forensic interest. She earned her master's and doctoral degrees in chemistry from the University of Milan in Italy.

Daniel Reingold: Mr. Reingold is President and Chief Executive Officer of The Hebrew Home at Riverdale, in New York City, and holds a J.D. The Hebrew Home at Riverdale serves more than 5,000 older people and, in 2005, established the nation's first comprehensive elder abuse shelter.

Susan Reno: Ms. Reno is currently the Police System Administrator for the Shreveport Police Department and has more than 24 years of experience in crime analysis, Global Information Systems technology and police management systems. She received her MBA from Louisiana State University in Shreveport.

N. Dickon Reppucci: Dr. Reppucci has been Professor of Psychology at the University of Virginia since 1976. He received his Ph.D. in clinical psychology from Harvard University in 1968.

Robert H. Rice: Dr. Rice is a professor at the University of California, Davis, and is currently serving as Chair of the Graduate Group in Forensic Science. Dr. Rice provided the first demonstration of the intricate cross-linked structure of the hair shaft, visible after detergent extraction, and the first identification of proteins comprising the isopeptide cross-linked proteome of hair shaft and nail plate.

Deanna Rivard: Officer Rivard has served for more than six years with the Minneapolis Police Department and is currently assigned to the Third Precinct Patrol Division. She is participating in the effort to develop the American Society for Testing and Materials' Body Armor Measurement and Fitting Standard Guideline.

Monica Robbers: Dr. Robbers is the Program Manager for the Office of Juvenile Justice and Delinquency Prevention's evaluation and performance measurement contract administered by CSR, Incorporated. She is also a Professor of Criminal Justice at Marymount University. Dr. Robbers received her M.S. in criminology from East Tennessee State University and her Ph.D. in applied sociology and justice from American University.

Nicolas Roberts: Mr. Roberts is Range Master for the Unified Police Department of Greater Salt Lake. He has been in law enforcement for 35 years, is a graduate of the FBI National Academy 192 Session, and was appointed to the Attorney General's Board for Review of Body Armor 2002.

Cassandra Robinson: Ms. Robinson is a Program Manager in the Research and Development Engineering Directorate of the Savannah River National Laboratory. She has a B.S. degree in electrical engineering and an M.S. degree in industrial and systems engineering.

Scott Roehm: Mr. Roehm is Counsel for the Rule of Law Program at the Constitution Project. His work focuses on national security and immigration issues. He holds a J.D. from Fordham Law School and a Master's in international affairs with a specialization in human rights from Columbia University.

Jeff Rojek: Dr. Rojek is an Assistant Professor of Criminology and Criminal Justice at the University of South Carolina. He received a B.S. in sociology from Montana State University, an M.S. in criminal justice from California State University, Long Beach, and a Ph.D. from the University of Missouri-St. Louis. He is also a former police officer with the Los Angeles Police Department.

John K. Roman: Dr. 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. He is also the Executive Director of the District of Columbia Crime Policy Institute, where he directs research on crime and justice matters on behalf of the Executive Office of the Mayor.

Kristina Rose: Ms. Rose is the Deputy Director of the National Institute of Justice. She has served as NIJ's Acting Director and Senior Advisor to the Director and as Chief of Staff for the 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.

André B. Rosay: Dr. Rosay is the Director of the Justice Center at the University of Alaska Anchorage and has expertise in both quantitative and community-based participatory research. He earned his Ph.D. in criminology and criminal justice from the University of Maryland, College Park.

Robert Russell, Jr.: Hon. Robert Russell, Jr. is an Associate Judge for Buffalo City Court and serves by appointment as an Acting Erie County Court Judge. In January 2008, he created and began presiding over this country's first "Veterans' Treatment Court."

Allan Sadowski: Mr. Sadowski is an Information Technology Manager for the North Carolina State Highway Patrol, where he supports data communications and information security at more than 200 offices, as well as multiple radio systems including Voice Interoperability Plan for Emergency Responders (VIPER).

Jan Scaglione: Dr. Scaglione is a Pharmacist and board-certified Clinical Toxicologist at the Cincinnati Children's Hospital Medical Center's Drug and Poison Information Center with 18 years of toxicology expertise. She has bachelor's degrees in biology and medical technology from Wright State University, and bachelor and doctorate degrees in pharmacy from the University of Cincinnati.

Carol A. Schubert: Ms. Schubert is a researcher for the Law and Psychiatry Program at the University of Pittsburgh where her recent focus has been on the provision of services to and experiences of youth in the juvenile justice system. Ms. Schubert holds an MPH.

Steve Schuetz: Mr. Schuetz is a Physical Scientist in the National Institute of Justice's Information and Sensor Technology Division, specializing in information-led policing, information sharing, and geospatial and modeling simulation technologies. He received a B.S. in marine biology from Roger Williams University.

Frances J. Scott: Dr. Scott is a Physical Scientist at the National Institute of Justice. She received a B.S. in chemistry from the University of California, Davis in 1998 and a Ph.D. in physical chemistry from The George Washington University in 2006.

Michael Shively: Dr. Shively is a Senior Associate at Abt Associates. He has extensive experience directing research on human trafficking, including a new study on convicted traffickers, trafficking networks and facilitators. He received his Ph.D. in sociology from the University of Massachusetts.

Donald Siegel: Dr. Siegel is currently working on proteomic mass spectrometry assays for body fluid identification in the Forensic Biology Department of New York City's Office of Chief Medical Examiner. He received his Ph.D. in biochemistry from the Department of Neuroscience at the Albert Einstein College of Medicine and did his postdoctoral work in molecular genetics at Rockefeller University.

Sara Skodbo: Dr. Skodbo is a social researcher and Head of the Organised Crime Research Team at the Home Office. She has a Ph.D. and an M.Sc. in social anthropology as well as a B.A. (Hons.) in Scandinavian studies with anthropology from University College London.

Alan Spanbauer: Mr. Spanbauer is a Program Manager in the Office of Investigative and Forensic Sciences of the National Institute of Justice for the Paul Coverdell Forensic Science Improvement Grants Program. He received his MBA from Johns Hopkins University.

Malcolm K. Sparrow: Dr. Sparrow teaches at Harvard's John F. Kennedy School of Government, where he runs the school's executive programs on regulation and enforcement, corruption control, policing, and counter-terrorism. He holds an M.A. in mathematics from Cambridge University, an MPA from Harvard, and a Ph.D. in applied mathematics from Kent University at Canterbury.

Paul J. Speaker: Dr. Speaker is a faculty member of the West Virginia University (WVU) Finance Department and the past Director of MBA Programs in the WVU College of Business and Economics. He is also the CEO of Forensic Science Management Consultants LLC. He holds a B.S. in economics from LaSalle College and M.S. and Ph.D. degrees in economics from Purdue University.

Charles Steele: Mr. Steele managed the laboratory services and quality system for Keystone Aniline Corporation until 2009. He left Keystone to build his own company, Aneval Inc., and has contributed to and led research teams at Mountain State University and private corporations. Mr. Steele is also a limited-term Lecturer in the Physics Department at Purdue University.

Nan Stein: Dr. Stein is a Senior Research Scientist at the Wellesley Centers for Women, Wellesley College. She received the Outstanding Contribution to Education award from her alma mater, the Harvard University Graduate School of Education.

Darrel Stephens: Mr. Stephens was appointed the Executive Director of the Major Cities Chiefs Association on Oct. 1, 2010. He also is a member of the faculty of the Public Safety Leadership Program in the School of Education at Johns Hopkins University, where he has served as an Instructor since June 2008.

Karen Stern: Dr. Stern is a Social Science Analyst in the Crime, Violence and Victimization Research Division in the National Institute of Justice's Office of Research and Evaluation. She received her B.A. in psychology from the University of Rochester, and her M.A. and Ph.D. in clinical psychology from the University of North Carolina at Chapel Hill.

Matthew Stiner: Mr. Stiner is the Director of Justice for Vets at the National Association of Drug Court Professionals. After receiving the Combat Action Ribbon for service in Iraq as a Marine, Stiner used education benefits from the U.S. Department of Veterans Affairs and the Harry S. Truman Scholarship to obtain an MPA degree from the University of Oklahoma.

Philip M. Stinson, Sr.: Dr. Stinson is an assistant professor in the Criminal Justice Program at Bowling Green State University with research interests in the study of police crime and behaviors affecting police integrity. He has a Ph.D. from Indiana University of Pennsylvania, an M.S. from West Chester University and a J.D. from the University of the District of Columbia.

Debra Stoe: Ms. Stoe is a Senior Program Operations Specialist and Physical Scientist at the National Institute of Justice, where she is the program manager for NIJ's Body Armor Standards and Testing programs. She received her first bachelor's degree in 1990 from Columbus State University in Columbus, Ga. Ms. Stoe obtained a B.A. in anthropology (1996) and an M.A. in applied anthropology (1998) from the University of Maryland at College Park.

David Stoney: Dr. Stoney is the chief scientist at Stoney Forensic, where he is applying particle analysis to the development of nontraditional solutions to problems of interest to forensic science. He has a B.S. in chemistry and a Ph.D. in forensic science from University of California, Berkeley.

Tami Sullivan: Dr. Sullivan is an Assistant Professor of Psychiatry and the Director of Family Violence Research and Programs at the Yale School of Medicine. She received an M.A. from Boston College and a Ph.D. from Northeastern University.

Hung-En Sung: Dr. Sung joined the John Jay College of Criminal Justice in 2006. His current work focuses on the treatment of chronic offenders with co-occurring disorders, the therapeutic mechanisms of faith-based recovery interventions, and racial disparities in the processing of DWI cases.

Christina Tafuri: Ms. Tafuri is a graduate student at the University of New Haven.

Travis Taniguchi: Dr. Taniguchi is a Senior Research Associate at the Police Foundation, where his research interests include program and policy evaluation, crime and place, street gang dynamics, and the spatial distribution of drug markets. He received his B.S. in criminology and criminal justice from Chaminade University of Honolulu and his M.A. and Ph.D. in criminal justice from Temple University.

Yingying Tang: Dr. Tang is Director of the Molecular Genetic Laboratory at the New York City Office of Chief Medical Examiner. She received her M.D. from China Medical University and her Ph.D. in genetics and development from Columbia University. She completed her postdoctoral fellowship training in the Department of Human Genetics at Mount Sinai School of Medicine.

Seth Teller: Dr. Teller is a professor in the Department of Electrical Engineering and Computer Science and a principal investigator in the Computer Science and Artificial Intelligence Laboratory at the Massachusetts Institute of Technology. He received his B.S. in physics from Wesleyan University and his M.Sc. and Ph.D. in computer science from the University of California, Berkeley.

Katie TePas: Ms. TePas joined the Office of Alaska Governor Sean Parnell in July 2010 as Alaska's first Domestic Violence/Sexual Assault Initiatives Response Coordinator. She earned a B.A. in social work from Xavier University and an A.M. in social service administration from the University of Chicago.

George C. (Chris) Tillery: Mr. Tillery is the Office Director of the National Institute of Justice's Office of Science and Technology, where he manages NIJ's nonforensic physical science program. He received a B.S. in engineering from the United States Military Academy at West Point, N.Y.

Sheila Tillman: Ms. Tillman is a master's student in criminal justice with a concentration in forensic computer investigation at the University of New Haven. She received her bachelor's degree in criminal justice from Russell Sage College in Troy, N.Y.

Vivian Tseng: Dr. Tseng is the Vice President, Program, of the William T. Grant Foundation. She leads the Foundation's grantmaking and spearheads their initiative on the use of research evidence in policy and practice. She earned her doctorate in community psychology from New York University.

Tom R. Tyler: Dr. Tyler is a Professor of Law and Psychology at Yale Law School, where his research explores the role of judgments about the justice or injustice of group procedures in shaping legitimacy, compliance and cooperation. He received his Ph.D. in social psychology from the University of California, Los Angeles in 1978.

Bryan Vila: Dr. Vila is Professor of Criminal Justice and Criminology at Washington State University, and directs the Simulated Hazardous Operational Tasks Laboratory in its Sleep and Performance Research Center. A 16-year police veteran and pioneer of the study of police fatigue, he holds a Ph.D. in evolutionary ecology from the University of California, Davis.

John Violanti: Dr. Violanti is a Research Professor in the Department of Social and Preventative Medicine at the School of Public Health and Health Professions at The University at Buffalo, State University of New York. He has a B.A. in psychology, M.S. in social sciences, M.S. in counseling psychology, and Ph.D. in sociology from the University at Buffalo, State University of New York. Dr. Violanti is a retired New York State Police Officer.

Cheryl Crawford Watson: Ms. Watson has served as the Human Subjects Protection Officer at the National Institute of Justice since 2004. She also serves as a Senior Advisor in NIJ's Office of the Director. Ms. Watson holds an M.A. in public administration and a J.D. in law from the University of Wisconsin–Madison.

Cynthia Weaver: Dr. Weaver is an Assistant Professor of Social Work at the University of Mississippi. Her recent research identifies gendered trajectories of juvenile offending for first-time offenders and time-specific covariates present at the first offense.

David Weisburd: Dr. Weisburd is Distinguished Professor of Criminology, Law and Society and Director of the Center for Evidence-Based Crime Policy at George Mason University in Virginia, and is also the Walter E. Meyer Professor of Law and Criminal Justice and Director of the Institute of Criminology of the Hebrew University in Jerusalem. Dr. Weisburd received his Ph.D. from Yale University.

Charles F. Wellford: Dr. Wellford is Professor of Criminology and Criminal Justice at the University of Maryland. In 2001, he was selected to be a lifetime National Associate of the National Academy of Sciences (NAS). He chaired the NAS Committee on Law and Justice from 1998 to 2004 and the NAS panels on pathological gambling, firearms and the assessment of the National Institute of Justice. Dr. Wellford received his Ph.D. from the University of Pennsylvania.

Tony West: Mr. West is the Acting Associate Attorney General for the U.S. Department of Justice. Previously he served as Assistant Attorney General for the Civil Division, having been nominated by President Barack Obama and confirmed by the Senate. Mr. West graduated with honors from Harvard College and received his law degree from Stanford Law School, where he was elected President of the *Stanford Law Review*.

Eric Wetzel: Dr. Wetzel is Material Mechanics Team Leader at the U.S. Army Research Laboratory. Dr. Wetzel has co-authored more than 30 peer-reviewed journal publications and book chapters and 50 conference proceedings articles, and he holds five patents.

James Wilcox: Mr. Wilcox is the Global MARCOM and Product Management Director for Avon Protection. He has worked in the field of chemical, biological, radiological and nuclear respiratory protection for nearly 10 years and has overseen multiple programs for military and government organizations.

Scott Wilder: Officer Wilder is Director of Technology and Communications for the Brookline (Mass.) Police Department. He is responsible for designing, installing and maintaining the software, hardware and communications networks for the public safety systems. Officer Wilder holds a B.S. degree in criminal justice from Western New England College.

Carrick C. Williams: Dr. Williams is the Director of the Cognitive Science Doctoral Program and an Associate Professor of Psychology at Mississippi State University. He earned a B.S. from Kansas State University, and an M.A. and Ph.D. from Michigan State University.

Misa Noel Winters: Ms. Winters has been a member of the Kemp Lab for ancient and low copy number DNA at Washington State University for the past four years. She received both her bachelor's in biotechnology and master's in biological sciences from Washington State University.

Charlotte Word: Dr. Word is a Consultant in Forensic DNA Testing. She has a B.S. in biology from the College of William and Mary and a Ph.D. in microbiology from the University of Virginia.

Robert E. Worden: Dr. Worden is the Director of the John F. Finn Institute for Public Safety, Inc., and an Associate Professor of Criminal Justice and Public Policy at the University at Albany, State University of New York. He holds a Ph.D. in political science from the University of North Carolina at Chapel Hill, with specializations in public administration and public policy.

Phelan Wyrick: Dr. Wyrick is a Senior Policy Advisor to the Assistant Attorney General in the Office of Justice Programs (OJP). He leads OJP's Evidence Integration Initiative including the development and operation of the CrimeSolutions.gov website.

Soweon Yoon: Ms. Yoon is a Ph.D. student in the Department of Computer Science and Engineering at Michigan State University. Her research emphasis is on friction ridge biometrics. She received her B.S. and M.S. degrees from the School of Electrical and Electronic Engineering, Yonsei University, Seoul, Korea, in 2006 and 2008, respectively.

Stephanie Young: Dr. Young is a postdoctoral fellow in the laboratory of Dr. Clifton Bishop in the Department of Biology at West Virginia University. She received her Ph.D. in biology from West Virginia University in 2011.

Cynthia Zeller: Dr. Zeller is an Associate Professor at Towson University.

Appendix

TUESDAY, JUNE 19, 4:30 p.m.

Sky View Atrium

Forensic DNA 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.

Researchers

- **Angie Ambers**, Forensic Technologist, University of North Texas, Fort Worth, Texas, “Assessing the Role of DNA Repair in Forensically Relevant Samples”
- **Matthew Antonik**, Assistant Professor, University of Kansas, Lawrence, Kansas, “Analyzing Compromised DNA Samples Where PCR is Problematic”
- **Jack Ballantyne**, Professor, University of Central Florida, Director for Research, National Center for Forensic Science, Orlando, Florida, “DNA Mixture Genotyping by Probabilistic Computer Interpretation of Binomially-Sampled Laser Captured Cell Populations”
- **Brittania J. Bintz**, Forensic Research Scientist, Western Carolina University, Cullowhee, North Carolina, “Detection of Low-Level Artifacts Associated With Homopolymeric Regions in Human Mitochondrial DNA (mtDNA) Using Massively Parallel 454 Pyrosequencing”
- **John Butler**, Group Leader, National Institute of Standards and Technology, Gaithersburg, Maryland, “NIJ-Funded Research in Forensic DNA at the National Institute of Standards and Technology”
- **Christopher Cooney**, Director of Engineering, Akonni Biosystems, New Market, Maryland, “Microfluidic Microarray Instrument to Type SNPs for Physical Appearance”
- **Michael M. Cox**, Professor, University of Wisconsin–Madison, Madison, Wisconsin, “New Method for the Analysis of Highly Degraded Forensic DNA Samples”
- **Jacqueline Crossler**, Research Scientist, Bode Technology, Lorton, Virginia, “Evaluation of the ESDA and Other Non-Destructive DNA Collection Methods”
- **Phillip B. Danielson**, Professor, University of Denver, Denver, Colorado, “Highly-Specific Protein Biomarkers for the Identification of Biological Stains”
- **Jon Davoren**, Director of Applied Research, Bode Technology, Knoxville, Tennessee, “Examining the Differential DNA Yield Rates Between Human Skeletal Elements to Develop an Empirically Based Ranking Order for Bone Sampling”
- **Toni Marie Diegoli**, Research Scientist, Armed Forces DNA Identification Laboratory, Dover Air Force Base, Delaware, “Characterization of X Chromosomal Short Tandem Repeat Markers for Forensic Use”
- **David Foran**, Associate Professor, Michigan State University, East Lansing, Michigan, “Trace DNA From Fingernails: Increasing the Success Rate of Widely Collected Forensic Evidence”
- **Katherine Butler Gettings**, Ph.D. candidate, The George Washington University, Washington, DC, “Ancestry/Phenotype SNP Analysis and Integration with Established Forensic Markers”

- **Kim Gorman**, Technical Leader, Paternity Testing Corporation, Columbia, Missouri, “Automation of Differential Extractions in a 96 Well Format”
- **Jodi Irwin**, Chief of Research, Armed Forces DNA Identification Laboratory, Rockville, Maryland, “Maximizing mtDNA Testing Potential With the Generation of High-Quality mtGenome Reference Data”
- **Sree Kanthaswamy**, Associate Adjunct Professor, University of California, Davis, Davis, California, “Quadriplex Real-Time PCR (qPCR) Assay For Human-Canine-Feline Species Identification and Nuclear DNA Quantification”
- **Kenneth Kidd**, Professor, Yale University School of Medicine, New Haven, Connecticut, “Better SNPs for Better Forensics: Ancestry, Phenotype and Family Identification” and “FROG-kb: Forensic Resource/Reference on Genetics—knowledge base”
- **Pamela Korda**, Senior Scientist, Arrayx, Chicago, Illinois, “Development of an Automated Holographic Optical Trapping Method for Sexual Assault Evidence Kit Analysis”
- **Greggory S. LaBerge**, Director, Denver Police Department, Denver, Colorado, “Lessons Learned From Aptamer Design and Capture of Human Sperm Cells”
- **Cecelia Laurie**, Research Scientist, University of Washington, Seattle, Washington, “Patterns of Dependencies on Y-Chromosome Markers”
- **Igor Lednev**, Associate Professor, University at Albany, State University of New York, Albany, New York, “Raman Spectroscopy for the Identification and Characterization of Body Fluid Traces”
- **Richard Li**, Associate Professor, John Jay College of Criminal Justice, New York, New York, “Effects of Processing Techniques on the Forensic DNA Analysis of Human Bone Samples”
- **Bruce McCord**, Professor, Florida International University, Miami, Florida, “Using Curve Fitting Models to Assess PCR Inhibition in Forensic Samples”
- **Daniele Podini**, Assistant Professor, The George Washington University, Washington, DC, “Development of a SNP Assay Panel for Ancestral Origin Inference and Individual Somatic Traits”
- **Robert Rice**, Professor, University of California, Davis, Davis, California, “Hair Proteomics — Improved Evidence Discrimination”
- **Misa Noel Winters**, Research Assistant, Washington State University, Pullman, Washington, “One of the Key Characteristics of Ancient DNA, Low Copy Number, May be a Product of its Extraction”
- **Cynthia Zeller**, Associate Professor, Towson University, Towson, Maryland, “Method Development for a Real-Time Genomic DNA Based Assay for the Detection of Body Fluids”

Practitioners (Agency Names)

Alabama

- Alabama Department of Forensic Sciences

Alaska

- Alaska Department of Public Safety

Arizona

- Arizona Criminal Justice Commission
- Arizona Department of Public Safety

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 Emergency Services and Public Protection

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 Sheriff's Office
- 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 Bureau of Investigation

Kentucky

- Commonwealth of Kentucky

Louisiana

- Louisiana State Police

Maine

- Maine State Police

Maryland

- Anne Arundel County
- Baltimore County
- 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 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 Department

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
- Union County

New Mexico

- City of Albuquerque
- New Mexico Department of Public Safety

New York

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

North Carolina

- City of Charlotte
- North Carolina Department of Justice

North Dakota

- State of North Dakota

Ohio

- City of Columbus
- City of Mansfield
- Cuyahoga County Coroner's Office
- Hamilton County
- Lake County
- Montgomery County
- Ohio Office of the Attorney General
- Stark County

Oklahoma

- City of Oklahoma City
- City of Tulsa
- Oklahoma State Bureau of Investigation

Oregon

- Oregon State Police

Pennsylvania

- Allegheny County
- City of Philadelphia
- Pennsylvania State Police

Puerto Rico

- Instituto de Ciencias Forenses

Rhode Island

- Rhode Island Department of Health

South Carolina

- Richland County
- South Carolina Law Enforcement Division

South Dakota

- South Dakota Office of the Attorney General

Tennessee

- Tennessee Bureau of Investigation

Texas

- Bexar County
- City of Austin
- City of Houston Police Department
- Dallas County
- 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 19, 4:30 p.m.

Library/Top of Escalators

General Science Poster Session

Get updates on NIJ-funded research in progress from all three of NIJ's "bedrock" sciences — social, physical and forensic. This session will encourage conversation and networking and give grantees an informal opportunity to discuss their work.

The session also will include a demonstration showing different types of body armor, including stab-resistant, ballistic-resistant and a combination of the two, in both concealable and tactical configurations. Various ballistic threats, inmate-manufactured weapons and a "stab-o-meter" device that demonstrates how much force can be exerted during a stabbing motion will also be shown. Practitioners and researchers will be on hand to answer your questions.

List of posters and authors

- **Kelly Ayers**, West Virginia University Forensic Science Initiative, "A First Principles Based Fingerprint Curriculum"
- **Steven Branigan**, CyanLine, "Characteristics of Forensic Imaging Performance: An Analysis of Forensic Imaging Bottlenecks"
- **Richard Conners**, Virginia Tech, "Determining the Effects of Parameters on the Electric Network Frequency (ENF) Matching Problem"
- **Amanda Fujikawa**, University of Nebraska–Lincoln, "Improving Postmortem Interval (PMI) Estimations Through Curvilinear Development Modeling of the Blow Fly *Lucilia sericata* (Meigen)"
- **Nasir Hussain**, Combustion Science & Eng., Inc., "Forensic Investigation Techniques for Inspecting Electrical Conductors Involved in Fire"
- **Elise Jensen**, Center for Court Innovation, "The Defending Childhood Initiative: Evaluating the Demonstration Sites"
- **Young Lee**, Morpho Detection, Inc., "Multi-frequency Electric Field Tomography for Contraband Detection in Body Cavities"
- **Qingzhong Liu, Xiaodong Li and Peter A. Cooper**, Sam Houston State University, "A New Approach to Detecting Seam-carved Forgery in JPEG Images"
- **Milind Mahajan**, Teledyne Scientific & Imaging, LLC, "Forensic Crime Scene Survey Camera"
- **Stephen Morgan**, University of South Carolina, "Validation of Forensic Characterization and Chemical Identification of Dyes Extracted from Millimeter-length Fibers"
- **James Moulton**, EOIR Technologies, "Untreated Latent Fingerprint Imaging Feasibility Test"
- **Samantha Neal**, West Virginia University Forensic Science Initiative, "Continuing Education in Forensic Science"
- **Robert Norris**, University at Albany, State University of New York, "Bargaining in the Shadow of Trial? Exploring the Reach of Evidence Outside the Jury Box"
- **Federica Pozzi**, The City College of New York and the Metropolitan Museum of Art, "Development of Surface-enhanced Raman Scattering (SERS) Methods and Databases for the Identification of Substances of Forensic Interest"
- **Philip Stinson**, Bowling Green State University, "Police Integrity Lost: Preliminary Findings of a Study of Law Enforcement Officers Arrested during 2005-2011"
- **David Stoney**, Stoney Forensic, Inc., "Exploitation of Very Small Particles to Enhance the Probative Value of Carpet Fibers"
- **Seth Teller**, Massachusetts Institute of Technology, "Divert & Alert: Mitigating and Warning of Traffic Threats to Police Stopped Along the Roadside"
- **Sheila Tillman, Lerone Joseph, Andrew Mahoney, Christina Tafuri and Stephanie Barletta**, University of New Haven, "The Impact of Forensic Evidence and Prosecution"
- **Stephanie Young**, West Virginia University, "Extended Postmortem Interval Estimates"

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).

MARRIOTT CRYSTAL GATEWAY

