

Appendix A. National Commission on Forensic Science Commissioners and Biographies

<u>Co-Chairs:</u>	Gregory Champagne	Julia Leighton
Sally Q. Yates	Gregory Czarnopys	Hon. Bridget Mary McCormack
Willie E. May, Ph.D.	Deirdre Daly	Peter Neufeld
<u>Vice-Chairs:</u>	M. Bonner Denton, Ph.D.	Phil Pulaski
Nelson Santos	Jules Epstein	Matthew Redle
John Butler, Ph.D.	Stephen Fienberg, Ph.D.	Sunita Sah, Ph.D.
<u>Commission Staff:</u>	John Fudenberg	Michael “Jeff” Salyards, Ph.D.
Andrew J. Bruck	S. James Gates, Jr., Ph.D.	Ex-Officio Members:
Victor Weedn, M.D.	Dean Gialamas	Rebecca Ferrell, Ph.D.
Jonathan McGrath, Ph.D.	Paul Giannelli	David Honey, Ph.D.
Danielle M. Weiss	Randy Hanzlick, M.D.	Marilyn Huestis, Ph.D.
Lindsay DePalma	Hon. Barbara Hervey	Gerald LaPorte
Commission Members:	Susan Howley	Patricia Manzolillo
Thomas Albright, Ph.D.	Ted Hunt	Hon. Jed Rakoff
Suzanne Bell, Ph.D.	Linda Jackson	Frances Schrotter
Frederick Bieber, Ph.D.	Hon. Pam King	Kathryn Turman
Arturo Casadevall, Ph.D.	Troy Lawrence	
Cecelia Crouse, Ph.D.	Marc LeBeau, Ph.D.	

NCFS Co-Chairs

Sally Q. Yates

Sally Quillian Yates became Acting Deputy Attorney General on January 10, 2015. President Obama formally nominated her for the position on January 8, 2015.

Previously, Ms. Yates was nominated by President Obama to serve as U.S. Attorney for the Northern District of Georgia and was confirmed by the U.S. Senate on March 10, 2010. She was the first woman to serve as U.S. Attorney in the Northern District of Georgia. As the chief federal law enforcement official for the district, she oversaw the prosecution of all federal crimes and the litigation of civil matters in which the government had an interest in a district encompassing more than 6 million residents. She supervised a staff of approximately 95 lawyers and 80 support personnel.

During her time as a U.S. Attorney, Ms. Yates was appointed by Attorney General Holder to serve as Vice Chair of the Attorney General’s Advisory Committee. Created in 1973, the Committee represents the voice of the U.S. Attorneys and provides advice and counsel to the Attorney General on policy, management, and operational issues impacting the Department of Justice.

Ms. Yates has spent most of her professional career in public service and has 25 years of prosecutorial experience in the U.S. Attorney's office. Prior to her appointment as U.S. Attorney, Ms. Yates served as the First Assistant U.S. Attorney for approximately 7 years, and from 1994 to 2002, she was the chief of the fraud and public corruption section of the office where she supervised the prosecution of all of the office's white collar cases. Ms. Yates is an experienced trial lawyer and has prosecuted a wide variety of complex matters, specializing in public corruption cases. She was also the lead prosecutor in the Atlanta prosecution of Olympic bomber Eric Rudolph.

Ms. Yates is a Fellow in the American College of Trial Lawyers.

Prior to joining the U.S. Attorney's Office, Ms. Yates practiced with King & Spalding in commercial litigation. She graduated magna cum laude from the University of Georgia School of Law in 1986.

Willie E. May, Ph.D.

Dr. Willie E. May is the director of the National Institute of Standards and Technology (NIST). He also serves as Under Secretary of Commerce for Standards and Technology, a new position created in the America COMPETES Reauthorization Act of 2010. Prior to this assignment, Dr. May served as associate director for Laboratory Programs, where he was responsible for oversight and direction of NIST's seven laboratory programs and served as the principal deputy to the NIST director. As NIST director, Dr. May provides high-level oversight and direction for NIST. The agency promotes U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology. NIST's FY 2014 resources totaled \$850million indirect appropriations, an estimated \$47.3 million in service fees, and \$107.0 million from other agencies. The agency employs about 3,000 scientists, engineers, technicians, support staff, and administrative personnel at two main locations in Gaithersburg, MD, and Boulder, CO. NIST also hosts about 2,700 associates from academia, industry, and other government agencies who collaborate with NIST staff and access user facilities. In addition, NIST partners with more than 1,300 manufacturing specialists and staff at more than 400 MEP service locations around the country. Dr. May has several leadership responsibilities in addition to those at NIST. He is vice president of the 18-person International Committee on Weights and Measures (CIPM), president of the CIPM's Consultative Committee on Metrology in Chemistry and Biology; executive board member for the Joint Committee on Traceability in Laboratory Medicine; and on the board of visitors for the University of Maryland College Park's College of Computer, Mathematical, and Natural Sciences.

Vice-Chairs

Nelson Santos

Mr. Santos has worked for the Drug Enforcement Administration (DEA) for more than 26 years. He began his career as a forensic chemist in Miami, FL, and has held supervisory/managerial positions in Miami, Chicago, and Washington, DC. In 2006, Mr. Santos was promoted to the senior executive service, where he is responsible for directing the operations of eight regional laboratories, six subregional laboratories, and one research laboratory. In 2010, he moved into his current position as the deputy assistant administrator for the Office of Forensic Sciences. In this capacity, he leads the largest decentralized forensic science laboratory system in the federal government, consisting of more than 550 scientific, technical, and administrative personnel. Mr. Santos has led significant efforts to enhance DEA laboratory system operations to include achieving ISO accreditation of all DEA laboratories; implementing a system-wide integrated laboratory information management system (LIMS); developing and implementing DEA's first centralized training program for forensic chemists; enhancing the quality assurance program's oversight role in laboratory operations; reorganizing drug research activities and functions; streamlining and automating the delivery of digital evidence analyses results, and reorganizing the latent print program to provide for increased technical oversight. Throughout his career Mr. Santos has been active in the national and international forensic science community, holding several key leadership positions in

prominent organizations. From 2010–2013, Mr. Santos served as the chair of Interpol’s Forensic Science Symposium Committee, where he was responsible organizing Interpol’s triennial forensics conference serving forensic science managers. He was the DEA member-representative to the White House Subcommittee of Forensic Science, and served for 5 years as chair of the Scientific Working Group for the Analysis of Seized Drugs (SWGDRUG). Mr. Santos chaired the Council of Federal Forensic Laboratory Directors (CFFLD) for 3 years, and from 2004–2006, he served on the Board of the American Society of Crime Laboratory Directors (ASCLD). He remains an active member of ASCLD, American Society for Testing and Materials (ASTM), the International Association of Chiefs of Police (IACP) Forensics Committee, and Interpol’s Forensic Science Managers Organizing Committee. Mr. Santos holds a B.A. in Chemistry from Florida International University and a M.P.A. from George Mason University.

John Butler, Ph.D.

Dr. Butler has authored 150 scientific articles and invited book chapters. In 2011, ScienceWatch named him the #1 worldwide high-impact author in legal medicine and forensic science for the previous decade based on citations to his work. He has served as an invited guest to the FBI’s Scientific Working Group on DNA Analysis Methods (SWGDM) for 14 years and currently chairs the Autosomal STR Interpretation Committee. As a member of the World Trade Center Kinship and Data Analysis Panel (2002–2005), he aided the New York City Office of the Chief Medical Examiner in its work to identify the remains of victims of the 9/11 terrorist attacks. He also served for 4 years (2009–2013) on the Virginia Department of Forensic Sciences Science Advisory Committee. He is a member of the American Academy of Forensic Sciences and the International Society for Forensic Genetics and serves as an associate editor for *Forensic Science International: Genetics* and on the editorial board for the *Journal of Forensic Sciences*. His awards include the Presidential Early Career Award for Scientists and Engineers (2002), the Department of Commerce Silver Medal (2002) and Gold Medal (2008), the Arthur S. Flemming Award (2007), the Edward Uhler Condon Award (2010), Brigham Young University’s College of Physical and Mathematical Sciences Honored Alumnus (2005), and the Scientific Prize of the International Society for Forensic Genetics (2003).

Commission Staff

Andrew J. Bruck

Andrew Bruck serves as senior counsel to the Deputy Attorney General. Before joining the Office of the Deputy Attorney General, he served as an Assistant U.S. Attorney in the U.S. Attorney’s Office for the District of New Jersey, where he prosecuted violent and organized crime. He graduated with a B.A. from Princeton University’s Woodrow Wilson School of Public and International Affairs, and earned a J.D. from Stanford Law School, where he was editor-in-chief of the *Stanford Law & Policy Review*. Following law school, he clerked for the Honorable Stuart Rabner, Chief Justice of the New Jersey Supreme Court, and worked as a litigation associate at Davis Polk & Wardwell LLP in New York City.

Victor Weedn, M.D.

Dr. Weedn is the senior forensic advisor to the Deputy Attorney General on detail from his position as professor and chair of the George Washington University Department of Forensic Sciences. He is a graduate of the Southwestern Medical School and the South Texas College of Law. He underwent anatomical and clinical pathology residency training at the Baylor College of Medicine and the University of Texas Health Science Center at Houston and then anatomic pathology fellowship training at the M.D. Anderson Hospital and Tumor Institute and forensic pathology fellowship training at the Armed Forces Institute of Pathology. He established the Armed Forces DNA Identification Laboratory and was involved in pioneering efforts to establish STR and mitochondrial DNA sequencing methods. He directed the effort to create the current inspection and accreditation program of the National Association of Medical Examiners. Subsequently, he has had several positions, including as a medical examiner, a crime laboratory

director, research scientist, and professor. He is the immediate past president of the American Academy of Forensic Sciences.

Jonathan McGrath, Ph.D.

Dr. McGrath serves as senior policy analyst with the Department's National Institute of Justice (NIJ), Office of Investigative and Forensic Sciences (OIFS) in Washington, DC, and serves as the NCFS Designated Federal Official (DFO). Prior to joining DOJ, he served 8 years as a forensic scientist/chemist and science officer for the U.S. Customs and Border Protection Laboratories and Scientific Services Directorate. In 2007, he joined the newly established CBP Southwest Regional Science Center in Houston, TX, where he performed laboratory analysis to support CBP examinations of imported merchandise and forensic evidence, including digital evidence, latent prints, and controlled substances. Dr. McGrath frequently conducted mobile security operations and trainings to support the CBP Office of Field Operations and Office of Border Patrol. In 2011, he transferred to CBP LSSD Headquarters, where he managed several forensics, trade, and WMD programs. Dr. McGrath earned his B.S. in Chemistry at the University of Dallas in 2001 while completing the UD liberal arts core curriculum. While pursuing a M.S. in Forensic Science at the University of Illinois at Chicago in 2002, he performed an internship at the Illinois State Police Forensic Science Center. He earned his Ph.D. in analytical chemistry at the Georgia Institute of Technology in 2007, where he participated in the Sam Nunn Security Fellowship Program to examine the impact of science and technology on public policy, and published several papers on his research of thermoresponsive nanomaterials.

Danielle M. Weiss

Danielle Weiss is currently a lead associate with Booz Allen Hamilton working as a senior-level policy and strategy consultant and technical advisor to the Department of Justice's National Institute of Justice (NIJ), Office of Investigative and Forensic Sciences. Ms. Weiss provides analytical research, project management, and technical support on a variety of portfolios and special projects involving forensic sciences and the law. She has been key to the development and expansion of a first-of-its-kind database system and resource center, the National Missing and Unidentified Persons System (NamUs), for which she was a lead member of the team that won a Service to America medal in 2011. Ms. Weiss also provides leadership support for two of NIJ's successful forensic programs: Using DNA Technology to Identify the Missing and Postconviction Testing of DNA Evidence to Exonerate the Innocent. She provided technical editing for and managed the production of the most up-to-date definitive resource on the science and landscape of fingerprint identification, *Fingerprint Sourcebook*, one of NIJ's most popular products. She managed or contributed to the development of numerous training programs for scientists, attorneys, medicolegal death investigators, and sexual assault first responders, including "Law 101," "DNA for the Defense," "DNA: A Prosecutor's Practice Notebook," and "DNA Collection and Utilization in Sexual Assault Cases: The Role of the First Responder." As the liaison on a number of domestic and international partnerships, Ms. Weiss oversaw the development of memoranda of understanding between NIJ and the Netherlands, Australia, and the United Kingdom to advance collaborations among forensic science researchers. Prior to coming to NIJ, Ms. Weiss was a senior attorney in the DNA forensics division of the National District Attorneys Association, where she developed and provided forensic science trainings for prosecutors, defense attorneys, judges, scientists, and law enforcement officers offered at the National Advocacy Center and other locations around the country. She has worked as an attorney, a correctional officer, and a private investigator, and has written many articles dealing with the forensic sciences, the law, and other criminal justice issues. She holds a Bachelor's degree from Western New England University, a J.D. from Western New England University School of Law, and a Master's degree in forensic sciences from the George Washington University.

Lindsay DePalma

Lindsay DePalma is an associate with Booz Allen Hamilton working as a technical consultant to the Department of Justice's National Institute of Justice (NIJ), Office of Investigative and Forensic Sciences (OIFS). Ms. DePalma provides executive-level analysis and support for strategic planning and program development relevant to the DNA Initiative and other NIJ forensic programs and activities. In previous years, Ms. DePalma has supported NIJ's DNA Backlog Reduction, DNA Research and Development, DNA Unit Efficiency, and Sexual Assault Nurse Examiner/Sexual Assault Response Team (SANE/SART) portfolios. She served as a member of the Biological Evidence Preservation Technical Working Group and assisted in drafting the best practices handbook for biological evidence preservation. In addition to supporting NIJ, Ms. DePalma has supported the Department of Homeland Security's (DHS) chemical and biological defense division in the bioassays program with developing, evaluating, and validating early detection assays for tier 1 and tier 2 select agents and toxins. Prior to Booz Allen Hamilton, Ms. DePalma was the manager of the immunobiology department at a private biotechnology company in Maryland. Ms. DePalma provided clinical trial support by monitoring patients and nonhuman primates' immune responses to a HIV gene therapy and HIV vaccine developed by the company. She holds a B.S. degree from James Madison University in integrated science and technology, and a M.S. degree in biotechnology from Johns Hopkins University.

Commission Members

Thomas Albright, Ph.D.

Dr. Thomas Albright is professor and Conrad T. Prebys Chair at the Salk Institute for Biological Studies, where he joined the faculty in 1986. He is an authority on the neural basis of visual perception, memory, and visually guided behavior. His laboratory seeks to understand how perception is influenced by attention, behavioral goals, and memories of previous experiences. Dr. Albright currently serves on the National Academy of Sciences Committee on Science, Technology, and Law. He served as co-chair of the National Academy of Sciences Committee on Scientific Approaches to Eyewitness Identification, which produced the 2014 report *Identifying the Culprit: Assessing Eyewitness Identification*. Dr. Albright is director of the Salk Institute Center for the Neurobiology of Vision, adjunct professor of psychology and neurosciences at the University of California, San Diego, and visiting centenary professor at the Indian Institute of Science, Bangalore. He is a member of the National Academy of Sciences, a fellow of the American Academy of Arts and Sciences, a fellow of the American Association for the Advancement of Science, and an associate of the Neuroscience Research Program. Dr. Albright received a Ph.D. in psychology and neuroscience from Princeton University.

Suzanne Bell, Ph.D.

Dr. Bell is originally from Los Alamos, NM. She obtained a B.S. degree in 1981 from Northern Arizona University with a dual major in chemistry and police science (criminal justice) and an M.S. in forensic science from the University of New Haven in 1983. She worked at the New Mexico state police forensic laboratory from 1983–1985 and for the Los Alamos National Laboratory from 1985–1992. She obtained a Ph.D. in chemistry from New Mexico State University in 1991 and returned there to complete a post-doctoral appointment. She joined the chemistry department at Eastern Washington University in 1994. She worked with the Washington State patrol to establish a B.S. option in the chemistry department in forensic chemistry. In 2003, she moved to a research position and joined the faculty of West Virginia University in the chemistry department, analytical division, where she assists both the department and the forensic and investigative sciences (FIS) in the forensic chemistry track. She oversees M.S. students from the FIS program as well as her chemistry Ph.D. students. To date, she has mentored nine graduating Ph.D. students. She was tenured in 2011 and is now an associate professor with research interests in gunshot residue, forensic toxicology, ion mobility spectrometry, and chemical data analysis. Dr. Bell is active in international forensic science education and training, having traveled to China, Portugal, and Brazil to

present workshops and teach forensic chemistry. She is a member of the Scientific Working Group for Seized Drug Analysis (SWGDRUG) as well as the American Academy of Forensic Sciences (AAFS) and the American Chemical Society (ACS). She has written several text and reference books, including *Forensic Chemistry*, the *Oxford Dictionary of Forensic Science*, and the 4th Edition of *An Introduction to Forensic Science* (editor).

Frederick Bieber, Ph.D.

Dr. Frederick R. Bieber is a medical geneticist at Brigham and Women's Hospital and associate professor of pathology at Harvard Medical School. His work focuses on the forensic aspects of DNA-based human identification. He has testified as an expert witness in state, federal, and military courts. As an officer in the U.S. Army Reserve he served at the U.S. Army Criminal Investigation Laboratory (USACIL) and the Armed Forces DNA Identification Laboratory (AFDIL). Professor Bieber served on the World Trade Center Kinship and Data Analysis Panel (KADAP), working with the NYC Office of the Chief Medical Examiner in the DNA-based identification of victims of the September 11th attack on the twin towers, and as a member of the Hurricane Victim DNA Identification Expert Group (HVDIEG), assisting the Louisiana State Police in the identification of victims of Hurricanes Katrina and Rita. Dr. Bieber has served as a member of numerous state and federal forensic advisory boards, including the Scientific Advisory Board of the Virginia Department of Public Safety and the FBI DNA Advisory Board. He currently serves on the Advisory Committee of the National DNA Databank of Canada, the DNA Subcommittee of the New York State Forensic Commission, and as Chair of the Quality Assurance oversight committee of the United States Army DNA Identification Laboratory (AFDIL). He served as senior advisor in forensic science to the Executive Office of Public Safety in Massachusetts and to the commissioner of the Connecticut Department of Environmental Services and Public Protection. For his public and community service, Dr. Bieber has received many awards, including Distinguished Service and Public Service Awards from the Massachusetts District Attorney's Association, Massachusetts House of Representatives, Massachusetts State Police, Louisiana State Police, Federal Bureau of Investigation, and the U.S. Department of Justice.

Arturo Casadevall, M.D., Ph.D.

Dr. Arturo Casadevall is Bloomberg Distinguished Professor and chair of the department of molecular microbiology and immunology at the Johns Hopkins Bloomberg School of Public Health. Dr. Casadevall's major research interests are in fungal pathogenesis and the mechanisms of antibody action. In the area of biodefense, he has an active research program to understand the mechanisms of antibody-mediated neutralization of *Bacillus anthracis* toxins. In recent years, Dr. Casadevall has become interested in problems with the scientific enterprise, and with his collaborators, he has shown that misconduct accounts for the majority of retracted publications. Dr. Casadevall has suggested a variety of reforms to the way science is done. He has served in numerous NIH committees, including those that drafted the NIAID Strategic Plan and the Blue Ribbon Panel on Biodefense Research. He also served on the National Academy of Sciences panel that reviewed the science on the FBI investigation of the anthrax terror attacks of 2001. He served as a member of the National Science Advisory Board for Biosecurity from 2005–2014 and currently co-chairs the NIAID Board of Scientific counselors. The author of more than 630 scientific papers, Dr. Casadevall is the editor-in-chief of *mBio*, the first open access general journal of the American Society of Microbiology, and is on the editorial board of the *Journal of Clinical Investigation* and the *Journal of Experimental Medicine*. Previously he served as director of the division of infectious diseases at Montefiore Medical Center, the University Hospital and academic medical center for Einstein, from 2000–2006, and as chair of the department of microbiology and immunology from 2006–2014. In 2008, he was recognized by the American Society of Microbiology with the William Hinton Award for mentoring scientists from underrepresented groups. He has been elected to AAAS Fellowship, the American Society for Clinical Investigation, the American Academy of Microbiology, the American Association of Physicians, and the National Academy of Medicine (Institute of Medicine). Dr. Casadevall received both his M.D. and Ph.D. (biochemistry) degrees from New York University.

Cecelia Crouse, Ph.D.

Dr. Crouse is currently the crime laboratory director of the ASCLD-LAB ISO-17025 accredited Palm Beach County Sheriff's office crime laboratory. She has been with the PBSO laboratory for 21 years, including 16 years as the manager of the forensic biology unit. She received a B.S. from Michigan State University and Ph.D. from the University of Miami, department of microbiology and immunology, and conducted a post-doctoral virology fellowship in the department of ophthalmology of the UM Bascom Palmer Eye Institute. Prior to graduate school, Dr. Crouse was a plant genetics research associate with Eli Lilly and Company. Dr. Crouse has authored or co-authored more than 40 scientific manuscripts and invited book chapters. Research and forensic validation studies have been presented at more than 60 meetings both nationally and internationally. Dr. Crouse has been a past or present member of the following: Accreditation and Certification Interagency Working Group (IWG) under the National Science and Technology Council Subcommittee (NSTC) on Forensic Science, Florida Association of Crime Laboratory Directors, United States American Prosecutors Research Institute DNA Faculty Member; Attorney General Janet Reno's Laboratory Funding Group for the National Commission for the Future of DNA Evidence; Attorney General John Ashcroft's Attorney General's Initiative on DNA Laboratory Analysis Backlog; the FBI Scientific Working Group on DNA Analysis, National Institute of Justice DNA Technical Working Group; the National Institute Justice Advisory Board for DNA Expert Systems; *Journal of Forensic Science* Editorial Board; Department of Defense Quality Assurance Oversight Committee for the U.S. Armed Forces DNA Identification Laboratory; International Commission on Missing Persons Expert Panel Review Quality Assurance Quality Control; as well as local and state committees and several law enforcement advisory boards.

The Honorable Gregory Champagne

Mr. Gregory Champagne is the elected Sheriff of St. Charles Parish, LA, serving in this capacity since 1996. Previously, he was a felony prosecutor for the 29th Judicial District of Louisiana, from 1982–1996, where he prosecuted thousands of cases, including several capital murder cases. Sheriff Champagne is the first vice president of the National Sheriffs' Association (NSA) and will assume the presidency in June 2016. He is also a past president of the Louisiana Sheriffs' Association and was named Louisiana Sheriff of the year in 2003. He chairs NSA's Legal Advisors Committee and is a longtime member of the Louisiana State Law Institute's Criminal Justice and Procedure Committee. He also is a gubernatorial appointee on the Louisiana Commission on Law Enforcement. Sheriff Champagne earned a B.A. in Government from Nicholls State University and a J.D. from the Louisiana State University Law Center. He and his wife, Alice, a retired adult education teacher, have been married for 34 years and have two children and three grandchildren.

Gregory Czarnopys

Gregory Czarnopys has worked at the Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF) since 1989, when he began his career as a forensic chemist at the Forensic Science Laboratory—Washington. As a manager, supervisor, and chemist, he has dedicated himself to scientific methods that advance ATF's ability to solve violent crime and provide unbiased expert testimony in criminal proceeding. Mr. Czarnopys provided forensic support following the first World Trade Center bombing in 1993; the 1996 explosion of Trans World Airlines Flight 800, which crashed into the Atlantic ocean in East Moriches, NY, killing 230; the 1995 bombing of the Alfred P. Murrah Federal Building in Oklahoma City; the Washington, DC, snipers in 2002, the Atlanta abortion clinic bombings between 1996–1998; Washington, DC, serial arson cases, and the 9/11 terrorist attacks. Over the years, Mr. Czarnopys has assumed increasing levels of responsibility at ATF as a supervisor and manager. In 2001, he was named chief, arson and explosives section, FSL-W; in 2007, he was named chief, FSL-W, and in 2007, he became the deputy director, ATF laboratory services. As a leader in the forensic science community, Mr. Czarnopys has directed numerous projects, task forces, and programs that have advanced scientific disciplines around the world. As a national

response team (NRT) chemist, from 1991–2000, he led research that addressed ATF concerns regarding contamination at the scene of explosions related to clothing worn on the scene, training and remediation of explosives. The completion of his study resulted in the establishment of ATF protocols and procedures regarding the processing of explosive materials both on the scene and in the laboratory. Other scientific projects shepherded by Mr. Czarnopys during the last 15 years include disciplines such as DNA, trace evidence, tobacco analysis, fire research and the NIBIN program, all of which are at the forefront of ATF's efforts to solve violent crime and protect the public. He recently oversaw the International Organization for Standardization (ISO) -17025 accreditation of all four ATF laboratories. As a result of his efforts, ATF is a leader within the forensic science community and is a sought-after partner in field. Mr. Czarnopys received a B.S. degree in criminalistics from Michigan State University (1988) and has attended ATF supervisory and managerial training classes since 2001. In 2007, he attended a 2-week leadership training program presented by the prestigious Center for Creative Leadership. In addition, he completed the formal segment of the ATF Leadership Development Program and the Treasury Executive Institute/Executive Forum. Mr. Czarnopys is an expert guest speaker and an active participant in scientific forums such as the American Society of Crime Laboratory Directors (ASCLD), is a past member of the Subcommittee on Forensic Sciences, and is the current chair of the Council of Federal Forensic Laboratory Directors.

Deirdre Daly

Ms. Deirdre Daly was nominated by President Barack Obama to serve as the U.S. Attorney for the District of Connecticut on March 13, 2014. She was confirmed by the U.S. Senate on May 21, 2014, and was sworn in on May 28, 2014. Ms. Daly is the first woman to be nominated and confirmed as the U.S. Attorney for Connecticut. Ms. Daly was the U.S. Attorney in an acting or interim capacity since May 14, 2013. She currently serves as a member of U.S. Attorney General Loretta Lynch's Attorney General's Advisory Committee and as a member of the National Commission on Forensic Science, which the Justice Department established in 2013 to improve the reliability of forensic science. Between 2010 and 2013, she was the First Assistant U.S. Attorney, during which time she assisted in the oversight of both the criminal and civil divisions. From 1985 to 1997, Ms. Daly was an Assistant U.S. Attorney in the Southern District of New York, where she prosecuted a wide range of cases, from racketeering and murder to corruption and fraud, and she later served as the Assistant-in-Charge of the White Plains office for 3 years. After leaving DOJ, Ms. Daly was a partner at Daly & Pavlis LLC, a Connecticut law firm with a practice focused on corporate and commercial litigation, white-collar criminal investigations, SEC enforcement actions, and corporate internal investigations and monitoring. A graduate of Dartmouth College and Georgetown University Law Center, Ms. Daly served earlier in her career as a law clerk for the Honorable Lloyd F. MacMahon, U.S. District Judge for the Southern District of New York.

M. Bonner Denton, Ph.D.

M. Bonner Denton received his B.S. in chemistry and B.A. in -psychology degrees in 1967 from Lamar State College of Technology, and his Ph.D. in chemistry in 1972 from the University of Illinois. Today Dr. Denton is a Galileo Professor of chemistry and professor of geological sciences at the University of Arizona. Research interests include analytical instrumentation, optical spectroscopy, mass spectrometry, separation science, and scientific imaging. Over the years Dr. Denton and his group have developed methodologies that are today widely used in the field of forensic science. He pioneered the development of high resolution array detector technology for both ultra-sensitive spectroscopic analysis and microscopic imaging. The high performance achievable in modern raman, fluorescence and atomic emission spectroscopies is directly traceable to contributions made by Dr. Denton and his research group. Currently Dr. Denton is applying new advanced detector innovations leading to the development of ultra-trace level explosives detection instrumentation capable of detecting small quantities of explosives at more than 40 meters standoff distances. Dr. Denton is a fellow of the Royal Society of Chemistry; fellow of the American Association for the Advancement of Science; fellow of the Society for Applied Spectroscopy; and fellow

of the American Chemical Society. He has published more than 200 peer reviewed publications and holds 15 patents in the field of chemical instrumentation.

Jules Epstein

Jules Epstein is professor of law and director of advocacy programs at Temple Beasley School of Law, where he teaches evidence. He has published extensively regarding the death penalty, eyewitness identification, and evidence, and is faculty for the National Judicial College, teaching evidence and capital case courses. In the area of forensics, Professor Epstein has worked on two DNA workgroups and in capital case trainings for NIJ, and on a working group on latent print issues for the National Institute for Standards and Technology that led to publication of *Latent Print Examination and Human Factors: Improving the Practice through a Systems Approach* (NIST Interagency Report 7842, 2012) He is co-editor of the *Scientific Evidence Review* (ABA, 2013) and *The Future of Evidence* (ABA, 2011) and served as section editor for the *Encyclopedia Of Forensic Sciences*, 2nd Edition. Professor Epstein has lectured on forensics to judges and attorneys.

Stephen Fienberg, Ph.D.

Stephen E. Fienberg is Maurice Falk University professor of statistics and social science emeritus at Carnegie Mellon University, and co-director of the Living Analytics Research Centre (jointly operated by Carnegie Mellon and Singapore Management University), with appointments in the department of statistics, the machine learning department, the Heinz College, Cylab, and the Human Rights Science Center. He served as dean of the college of humanities and social sciences and taught at the University of Chicago, the University of Minnesota, and York University, where he served as vice president academic. He has been vice president of the American Statistical Association and president of the Institute of Mathematical Statistics and the International Society for Bayesian Analysis. His research includes the development of statistical methods, especially tools for the analysis of categorical data, networks, and privacy protection, from both likelihood and Bayesian perspectives. He is the author or editor of more than 25 books and 500 papers and related publications and is a member of the U. S. National Academy of Sciences, and a fellow of the Royal Society of Canada, the American Academy of Arts and Sciences, and the American Academy of Political and Social Science. In the late 1970s, he led the effort to create the American Statistical Association's Committee on Law and Justice Statistics and served as its first chair. He has been a co-organizer of the triennial International Conference on Forensic Statistics, and was the lead organizer of the 2005 NAS Sackler Colloquium on Forensic Science: The Nexus of Science and the Law, and subsequently served as co-chair, with former Attorney General Janet Reno and the Honorable Judge William Webster, of the American Judicature Society's Commission on Forensic Science and Public Policy, whose goals included "the independent consideration and adoption of forensic science standards, guidelines and best practices when appropriate."

John Fudenberg

John Fudenberg is the assistant coroner for the Clark County Office of the Coroner/Medical Examiner (CCOCME) in Las Vegas, NV. The assistant coroner position is the second in command of the office; there are more than 15,000 deaths annually in Clark County. CCOCME is the only coroner's office accredited by both the International Association of Coroners and Medical Examiners (IAC&ME) and the National Association of Medical Examiners (NAME). Mr. Fudenberg has been employed with the CCOCME for 10+ years and has 16+ years of law enforcement experience from Minnesota and Las Vegas. Mr. Fudenberg is the president of the International Association of Coroner's and Medical Examiners (IAC&ME) and serves as the chair of the Scientific Working Group on Medicolegal Investigations (SWGMDI).

S. James Gates, Jr., Ph.D.

Sylvester James (Jim) Gates, Jr., a theoretical physicist known for his work on supersymmetry, supergravity, and superstring theory at the frontiers of his field, received B.S. (mathematics & physics) degrees in 1973 and a Ph.D. (physics) in 1977, all from the Massachusetts Institute of Technology. His thesis was the first at MIT on supersymmetry, a topic that has dominated fundamental theoretical physics since. He is currently University System of Maryland Regents Professor, the Toll Professor of Physics, and center for particle and theory director. He serves on the U.S. President's Council of Advisors on Science & Technology (PCAST), and the Maryland State Board of Education. His scientific work, together with that on STEM (science, technology, engineering, & mathematics) education policy, lead to engagements with the public and policy makers around the globe on the topics of science, STEM education and policy, and diversity. Since 1972 he has taught as a college-level instructor (mathematics/physics) at the University of Maryland, MIT., Caltech, Howard University, and Gustavus Adolphus College. He has been recognized as the recipient of College Science Teacher of the Year (Washington Academy of Sciences–1999), and the Klopsteg Award (American Association of Physics Teachers–2005). Since 1996, with “Breakthrough: The Changing Face of Science in America,” he appeared in seven documentaries, with an eighth (“Mystery of Matter: A Search for the Elements”) broadcast in 2014. This led to recognition with the Public Understanding of Science and Technology Award (AAAS–2006). His presence on the Web is such that more than 1 million hits have been recorded on Web sites affiliated with his activities. Professor Gates is the recipient of the 2011 Medal of Science and the 2013 Mendel Medal, and he is a member of the National Academy of Sciences, the American Philosophical Society, the American Academy of Arts & Science, the American Physical Society, the National Society of Black Physicists, and the American Association for the Advancement of Science, being a fellow of the last three organizations, and the Stellenbosch Institute for Advanced Study in South Africa. His election to the NAS makes him the first African-American physicist so recognized in its 150 year-long history.

Dean Gialamas

Dean Gialamas is the division director (civilian chief) for the Los Angeles County Sheriff Department's technology and support division. In his role, he leads and manages the Department's technology services, which includes communications, fleet, information technology, records, biometric identification, forensic sciences, crime analysis, and law enforcement information sharing programs. With more than 1,100 sworn and technical personnel and a budget of more than \$216 million, the division supports the entire department in the application of science, technology and innovation services to public safety. Previously he served as crime lab director for both the Los Angeles County Sheriff's Department and the Orange County Sheriff's Department, each ASCLD/LAB ISO 17025 Internationally accredited entities. Over his 24-year career in forensic science, he has worked in both public and private forensic laboratories. He is an active member of several professional organizations and has been appointed to several state and federal task forces and workgroups regarding forensic science issues. He served on the editorial board of the Forensic Science Policy & Management Journal, on the White House Subcommittee on Forensic Science Interagency Working Group, and is a past-president of the American Society of Crime Laboratory Directors and the California Association of Crime Laboratory Directors. Mr. Gialamas also served as an instructor for several criminal justice agencies and universities, and he currently consults on forensic science management and leadership principles and issues. He holds dual majors in chemistry and biology from UC Irvine and a Master's degree in Criminalistics from Cal State Los Angeles. He is professional certified in forensic

science by the American Board of Criminalistics and is a proud graduate of the West Point Leadership and Command Program.

Paul Giannelli

Paul C. Giannelli is a distinguished university professor and the Albert J. Weatherhead III & Richard W. Weatherhead Professor of Law at Case Western Reserve University. He received his J.D. degree from the University of Virginia, where he served as articles editor of the *Virginia Law Review*. His other degrees include an LL.M. from the University of Virginia, an M.S. in Forensic Science from George Washington University, and a B.A. summa cum laude from Providence College. After law school, he served as both a prosecutor and defense counsel in the military. Professor Giannelli has written extensively in the field of evidence and criminal procedure, especially on the topic of scientific evidence. He has authored or co-authored 12 books, including *Scientific Evidence* (5th ed. 2012), and has written more than 200 articles, book chapters, reports, book reviews, and columns, including articles in the *Columbia*, *Virginia*, *Cornell*, *Vanderbilt*, *Illinois*, *Fordham*, *North Carolina*, *Wisconsin*, *Ohio State*, and *Hastings* law reviews. Other articles have been published in specialty journals at Northwestern, Georgetown, Texas, and N.Y.U. In addition, his work has appeared in interdisciplinary journals, such as the *Journal of Law, Medicine & Ethics*, *Issues in Science and Technology* (National Academies), *International Journal of Clinical & Experimental Hypnosis*, and the *Journal of Forensic Sciences*. He is also co-author of a chapter on forensic science in Federal Judicial Center/National Academy of Sciences, *Reference Manual on Scientific Evidence* (3d ed. 2011). Professor Giannelli's work has been cited in nearly 700 judicial opinions throughout this country (including seven decisions of the U.S. Supreme Court) as well as in foreign courts. In addition, he has testified before the U.S. Senate Judiciary Committee and served as: reporter for the American Bar Association Criminal Justice Standards on DNA Evidence; co-chair of the ABA Ad Hoc Committee on Innocence; and a member, National Academy of Sciences, Bullet Lead Elemental Composition Comparison Committee.

Randy Hanzlick, M.D.

Randy Hanzlick, MD, is a board-certified forensic pathologist, retired Professor of Forensic Pathology at Emory University School of Medicine, and retired chief medical examiner for Fulton County, GA. Born in Ohio, he graduated college and medical school at Ohio State University, where he also did his pathology training. After completing his forensic pathology training in Atlanta, he remained in Atlanta and has worked in the field of death investigation since the early 1980s. He is a past-president of the National Association of Medical Examiners and former pathology/biology section officer for the American Academy of Forensic Sciences. Dr. Hanzlick is active on numerous committees for professional organizations and on multiple federal panels and projects related to death investigation and death certification, such as the CDC Guidelines for Investigation of Sudden, Unexplained Infant Death and the NIJ Guide for Death Scene Investigators. Author of two texts, several manuals, multiple chapters, and about 200 publications, Dr. Hanzlick's major interest areas include the development of professional guidelines, improvement in death investigation practices, death certification and mortality data, electronic data system development and data sharing, and the role of the medical examiner in public health surveillance and epidemiological research. Dr. Hanzlick was also a primary developer of the original NamUs system for unidentified deceased individuals. He has received multiple awards including the National Association of Medical Examiners' Lifetime Service Award (2007) and Milton Helpert Laureate Award (2014), and the American Academy of Forensic Sciences Distinguished Fellow Award (2009).

Hon. Barbara Hervey

Judge Barbara Hervey began her career in private practice before joining the Bexar County District Attorney's Office, where she worked for more than 16 years prosecuting and training office personnel. She later became a judge at the Texas Court of Criminal Appeals—the supreme court for criminal matters in

Texas—in November of 2000. During her time at the Court, Judge Hervey helped to establish the Texas Criminal Justice Integrity Unit, which identifies areas of the criminal-justice system that can be strengthened. She also serves as the chair of the Court of Criminal Appeals’ Grants Committee, which awards approximately \$18 million per biennium to educate actors in the Texas criminal-justice system, including topics highlighted by the Unit. Judge Hervey was a member of the Timothy Cole Advisory Panel on Wrongful Convictions, and she is an adviser on the American Law Institute’s panel to rewrite the Model Penal Code: Sexual Assault and Related Offenses. She also serves as a member of the Rules Committee of the Texas Court of Criminal Appeals and is a life fellow at the Texas State Bar Foundation. Previously, she served on the Governor’s Ad Hoc Committee to Rewrite the Texas Code of Criminal Procedure, was a faculty member of the National College of District Attorneys, was honored as a distinguished alumna, and was awarded the Rosewood Gavel Award for Outstanding Judicial Service. Judge Hervey has been an author of and speaker of more than 250 lectures, including at the National Academy of Sciences and the White House Subcommittee on Forensic Science. She also participated in a wrongful-conviction study conducted by the International Association of Police Chiefs in 2013. Judge Hervey and her husband, Richard Langlois, live in San Antonio, TX, and have three children: Edward, Christopher, and Melissa, and two grandchildren.

Susan Howley

Susan Smith Howley has worked with the National Center for Victims of Crime since 1991, serving as its director of public policy since 1999. From 2002 through 2005, she also served as the Center’s director of victim services. During that time, she has worked to promote the rights and interests of crime victims, advocating for laws and policies that help victims pursue justice and recover from crime. She has also led major projects to improve the national response to victims, including co-leading Vision 21: Building Capacity, a project to examine the challenges and solutions to building the capacity of crime victim service providers, and directing a project to develop recommendations to bridge the gap between research and practice in victim services. She also oversees the National Center’s work to promote victim-centered policies and practices in the processing of backlogged sexual assault forensic evidence. Ms. Howley has served on the National Advisory Committee on Violence Against Women, the Victims Advisory Group to the U.S. Sentencing Commission, and the Sexual Assault Advisory Committee for the Peace Corps. She was the 2011 winner of the Congressional Victims’ Rights Caucus’ Lois Haight Award for Excellence and Innovation. She received a J.D. in 1987 from Georgetown University Law Center.

Ted Hunt

Ted Hunt is chief trial attorney at the Jackson County Prosecutor’s Office in Kansas City, MO. He has been a prosecuting attorney for more than 22 years. In that time, he has prosecuted more than 100 felony jury trials, the vast majority of which have involved the presentation of forensic evidence. He is a teaching faculty member for a number of organizations that train prosecutors, law enforcement, and laboratory analysts on various aspects of the courtroom litigation of forensic evidence. Mr. Hunt is also a member of the Board of Directors for the American Society of Crime Lab Directors Laboratory Accreditation Board (ASCLD/LAB); a member of the International Association of Chiefs of Police (IACP) Forensic Science Committee; and a member of the Missouri Crime Laboratory Review Commission.

Linda Jackson

Linda Jackson currently serves as director of the Virginia Department of Forensic Science (VADFS). VADFS provides scientific analysis of evidential material for all law enforcement agencies, Commonwealth’s attorneys, medical examiners, and other agencies in the Commonwealth as prescribed by law; provides expert testimony at trial; maintains a DNA data bank; and trains law enforcement personnel on forensic related subjects. Ms. Jackson has a B.S. degree from Wake Forest University and an M.S. in Chemistry from the University of North Carolina at Charlotte. She began her career with DFS in 1995 as

a controlled substances examiner and then was promoted to section supervisor, controlled substances section chief and chemistry program manager before assuming her current position. As chemistry program manager, she managed all technical aspects of controlled substances, toxicology, and trace evidence disciplines. Ms. Jackson has been a member of the international Scientific Working Group for Seized Drug Analysis (SWGDRUG) since its inception in 1997 and currently serves as vice chair. She is a certified assessor for the ASCLD/LAB-International program since 2004. She is a member of the American Academy of Forensic Sciences (AAFS), the Mid-Atlantic Association of Forensic Scientists (MAAFS), Clandestine Laboratory Investigating Chemists Association (CLIC), and the Virginia Commonwealth University Department of Forensic Science Graduate Academic Committee, and she served on the federal Interagency Working Group on Standards, Practices and Protocols.

Hon. Pam King

Pam King is a Minnesota district court judge, presiding in criminal, civil, family, juvenile, and probate matters. She was appointed to the bench in October 2015. Previously, Ms. King was a member of the Minnesota public defender's trial team. In this role, she worked statewide representing criminal defendants in cases involving complex litigation and/or forensic science. She also consulted with public defenders on a variety of forensic issues including DNA, pathology, toxicology and drug chemistry. In 2011 she was named one of Minnesota Lawyers' Attorneys of the Year for her role in Minnesota's source code litigation. She was part of the Minnesota State public defender DNA Institute, working with a small group of lawyers to become proficient in forensic DNA testing and interpretation. She presents and teaches in Minnesota and nationally on forensic science issues and litigation skills. Ms. King is a fellow in the American Academy of Forensic Sciences as well as a member of the Olmsted County and Dodge County Bar Associations. She was previously a member of Minnesota Society for Criminal Justice, National College of DUI Defense, and the National Association of Criminal Defense Lawyers. She graduated from William Mitchell College of Law and completed her undergraduate degree at Drake University. Prior to working for the Minnesota State public defender, Ms. King had a private practice representing clients in the areas of criminal and family law.

Troy Lawrence

Troy Lawrence is a 28-year veteran of the Fort Worth Police Department and is currently a sergeant assigned to the digital forensic lab. He grew the lab from a one-person, part-time, position to six examiners (sworn and civilian) that processes computers, mobile phones, and forensic video. Mr. Lawrence began his forensic career in 2000 and attended the 2001 International Association of Computer Investigative Specialists (IACIS) training event in Orlando. He earned his Certified Forensic Computer Examiner (CFCE) on September 13, 2001, and recertified in 2004, 2007, 2010, 2013, and 2016. Mr. Lawrence served many roles for IACIS. He was a peer-review coach, certification regional manager, and chairman of the recertification committee prior to being elected to the IACIS Board of Directors. He served 3 years as secretary and since 2012 has been the director of training. He continues to assist in the teaching of various topics including the managing a digital forensic lab course that he co-wrote. Mr. Lawrence is a past member and former president of the local High Tech Crime Investigator Association (HTCIA) chapter. In 2003, Mr. Lawrence testified before the Texas House of Representatives regarding mandatory lab accreditation for digital evidence. As a result, digital evidence was statutorily exempted from accreditation while other forensic sciences were required to become accredited. As a result of his testimony, he was invited to join the Scientific Working Group on Digital Evidence (SWGDE). As a SWGDE member, he frequently contributes to the writing of best practices and quality assurance manuals for the digital evidence community. Mr. Lawrence serves as a subject matter expert in various classes for the National White Collar Crime Center (NW3C) and has served as a part-time instructor for various forensic training programs. He has a B.B.A. degree from Texas Wesleyan University.

Marc LeBeau, Ph.D.

Marc A. LeBeau, Ph.D., is the senior scientist of the scientific analysis section of the FBI Laboratory. He has worked as a forensic chemist and toxicologist for the FBI since 1994 and has testified as an expert in federal, state, and county courts throughout the United States. From 2000 to 2011, Dr. LeBeau served as the chemistry unit chief for the FBI Laboratory. Dr. LeBeau holds a B.S. in chemistry and criminal justice from Central Missouri State University (1988) and a M.S. degree in forensic science from the University of New Haven (1990). He was employed in the St. Louis County medical examiner's office (1990–1994), before beginning his career with the FBI. In 2005, he received his Ph.D. in toxicology from the University of Maryland, Baltimore. As a Diplomat of the American Board of Forensic Toxicology, Dr. LeBeau is active in numerous scientific organizations. He is a member and past-president of the Society of Forensic Toxicologists. Additionally, Dr. LeBeau serves as the treasurer of the International Association of Forensic Toxicologists, is a fellow of the American Academy of Forensic Sciences, and a member of the American Society of Crime Laboratory Directors. Dr. LeBeau has served as the chairman of the Scientific Working Group on the Forensic Analysis of Chemical Terrorism (SWGFACT) and co-chair to the Scientific Working Group on the Forensic Analysis on Chemical, Biological, Radiological, and Nuclear Terrorism (SWGCBRN). He is currently a subcommittee chair of the Scientific Working Group for Forensic Toxicology (SWGTOX). In 2004, Dr. LeBeau won the FBI Director's Award for Outstanding Scientific Advancement, and in 2008, he was the recipient of the End Violence Against Women (EVAW) International Visionary Award.

Julia Leighton

Julia Leighton is the former general counsel for the public defender service for the District of Columbia (PDS). As general counsel, Ms. Leighton advised the PDS's board of trustees, the PDS management team, and PDS lawyers on a wide variety of legal issues. Ms. Leighton is also a former member of the D.C. Bar Legal Ethics Committee and a former member of the D.C. Rules of Professional Conduct Review Committee. While serving as general counsel, Ms. Leighton was also a member of PDS's forensic practice group and was a 2001 founding member. Prior to becoming PDS's general counsel, Ms. Leighton spent 11 years litigating criminal cases; 8 years as a staff attorney at PDS, and 3 years as a trial attorney in the Environmental Crimes Section of the U.S. Department of Justice. Ms. Leighton received a B.A. in economics from Bowdoin College magna cum laude, and her J.D. from the Georgetown University Law Center, cum laude.

Hon. Bridget Mary McCormack

Justice Bridget Mary McCormack joined the Michigan Supreme Court in 2013. Before her election, she was a law professor and associate dean at the University of Michigan Law School. Justice McCormack continues to teach there as a lecturer. Justice McCormack is a graduate of the New York University Law School. She spent the first 5 years of her legal career in New York, first with the Legal Aid Society and then with the Office of the Appellate Defender. In 1996, she became a faculty fellow at the Yale Law School. In 1998, she joined the University of Michigan Law School faculty, where she taught various clinical courses as well as criminal law and legal ethics. As the associate dean for clinical affairs, she substantially grew Michigan's clinical offerings, founding new clinics focusing on domestic violence, pediatric health, mediation, low income taxpayers, international transactions, human trafficking, juvenile justice, and entrepreneurship. In 2008, she cofounded the Michigan Innocence Clinic, in which she supervised students representing wrongfully convicted Michiganders. The clinic was the first law school innocence clinic exclusively handling non-DNA cases and exonerated seven people in its first 3 years. Her clinic innocence work focused, in large part, on forensic science issues. Justice McCormack currently chairs the Supreme Court's Limited English Proficiency Implementation Advisory Committee and participates with a number of professional organizations, including the American Bar Association Access to Justice committee, the American Bar Association Working Group on Pro Bono and Public Service, the advisory

board of the National Consortium on Racial and Ethnic Fairness in the Courts, and the judicial elections committee of the National Association of Women Judges, and she serves as a board member of the National Board of Legal Specialty Certification. In 2013, Justice McCormack was elected to the American Law Institute.

Peter Neufeld

Peter Neufeld cofounded and codirects the Innocence Project, an independent nonprofit. The Project currently represents hundreds of inmates across the country seeking post-conviction release through DNA testing. In its 22 years of existence, the Innocence Project has been responsible in whole or in part for exonerating more than half of the 312 men and women to be cleared through post-conviction DNA testing. The Innocence Project has been transformed from a clinical program with the single focus of exonerating the wrongfully convicted into a leadership role in identifying and addressing the systemic causes of wrongful convictions while at the same time enhancing public safety. The Project has been instrumental in reforming police practices in eye witness identification, interrogation, and forensic science. In February 2000, *Actual Innocence: Five Days to Execution, and Other Dispatches from the Wrongly Convicted*, co-authored by Mr. Neufeld, Barry Scheck, and Jim Dwyer was published by Doubleday. The second edition was published by Penguin in 2003. In 2014, Mr. Neufeld collaborated with the New York Hall of Science on the creation and publication of the interactive eBook, *False Conviction: Innocence, Guilt & Science* authored by Jim Dwyer. In addition to his *pro bono* responsibilities at the Innocence Project, Mr. Neufeld is a partner in the law firm Neufeld, Scheck & Brustin, specializing in civil rights and constitutional litigation. Since 1995, Mr. Neufeld has served as a member of the New York State Commission on Forensic Science, which regulates all state and local crime laboratories. He is also a trustee of the Montefiore Medical Center and the Albert Einstein College of Medicine. A 1972 graduate of the University of Wisconsin, Mr. Neufeld received his law degree in 1975 from New York University School of Law.

Phil Pulaski

During March 2014, Chief Phil T. Pulaski retired as chief of detectives of the NYPD with more than 33 years of law enforcement experience. Previously, he was deputy commissioner of operations and commanding officer of several large commands including the intelligence division, counterterrorism bureau, FBI/NYPD Joint Terrorist Task Force, detective borough Manhattan, detective borough Bronx, special investigations division, and forensic investigations division. Chief Pulaski also served as a managing attorney in the legal bureau, a captain in the internal affairs bureau, commanding officer of the arson and explosion squad, acting director of the police laboratory, and coordinator of the NYPD's chemical, biological, radiological, nuclear, and explosives (CBRNE) investigative programs. Currently, he is the chief of police of the Muttontown Police Department in Nassau County, NY. As chief of detectives, he was responsible for more than 3,600 personnel assigned to more than 150 detective squads and units. He successfully managed scores of major investigations including murdered police officers, shot police officers, serial killers, quadruple homicides, mass casualty incidents, and civilian deaths resulting from police action. Additionally, he significantly re-engineered the detective bureau, and implemented innovative new investigative operations, integrity programs, management protocols, and computer systems. Chief Pulaski also served as personal adviser to Police Commissioner Raymond W. Kelly on all forensic science matters and managed all of the NYPD's forensic, digital/ multimedia, investigative, and other physical evidence programs. He significantly re-engineered the operations of the NYPD police laboratory, crime scene unit, latent print section, bomb squad, forensic artist unit, computer crimes squad and medical examiner liaison unit, and was responsible, together with the director of the police laboratory, for ensuring the police laboratory was accredited twice under the ASCLD/LAB International Program and once under the Legacy Program. Shortly after September 11, 2001, as commanding officer of the FBI/NYPD Joint Terrorist Task Force, Chief Pulaski managed, together with his FBI counterpart, terrorism-related investigations and intelligence operations including the 9-11 World Trade Center attack and October 2001 anthrax attacks. During his tenure, the Joint Terrorist Task Force interdicted several serious threats to NYC.

Chief Pulaski holds a J.D. from St. Johns University School of Law, Queens, NY, and practiced law for the NYPD and privately for 30 years. He also holds a B.S. in chemical engineering and a M.S. in environmental engineering from Manhattan College, Bronx, NY, and worked for 4 years as an engineer for the U.S. Environmental Protection Agency. He also worked as an adjunct assistant professor at John Jay College of Criminal Justice for 3 years.

Matthew Redle

Matt Redle is the county and prosecuting attorney for Sheridan County, WY. He was first elected to that position in 1986. Mr. Redle is a graduate of the Creighton University School of Law. Since 2004, Mr. Redle has served on the Permanent Rules Advisory Committee, Criminal Division, for the Wyoming Supreme Court. Mr. Redle is a past vice-president of the National District Attorneys Association Board of Directors. He is a vice chair and member of the American Bar Association Criminal Justice Section Council. Mr. Redle is a member of the ABA Criminal Justice Standards Committee. Mr. Redle is a member of the Juvenile Prosecutor Leadership Network at the Center for Juvenile Justice Reform, Georgetown Public Policy Institute, Georgetown University. He has spoken on topics relating to science, the law, and legal ethics at events sponsored by the American Academy of Forensic Science, the American Bar Association, the National District Attorneys Association, the National Institute of Justice, the National Sexual Violence Resource Center, and the Criminal Justice Section of the Indiana State Bar, among others. On September 9, 2009, Mr. Redle was privileged to testify before the U.S. Senate Committee on the Judiciary in a hearing entitled “Strengthening Forensic Science in the United States.”

Sunita Sah, M.D., M.B.A., Ph.D.

Dr. Sunita Sah is an expert on judgment and decision making. Her research focuses on institutional corruption, transparency, improving decisions, unconscious and unintentional bias, influence, professionalism, and advice. Incorporating organizational behavior, psychology, and behavioral economics theory, Dr. Sah studies how professionals who give advice alter their behavior as a result of conflicts of interest and the policies (such as disclosure and second opinions) designed to manage them. She serves on the National Institute of Science and Technology Human Factors Committee. Dr. Sah’s work has been published in top academic journals in medicine, management, economics, and psychology and has received coverage in the international press, radio, and television. She has won numerous best paper awards from the Academy of Management, Society of Business Ethics, Society of Judgment and Decision-Making, and Society of Personality and Social Psychology. She also serves on the editorial board of the journal *Organizational Behavior and Human Decision Processes*. Dr. Sah teaches critical and strategic thinking at Cornell University, where she is currently an assistant professor of management and organizations and the Balen Sesquicentennial Faculty Fellow at the Johnson Graduate School of Management. Prior to Cornell, Dr. Sah held academic positions at Georgetown University (teaching ethical decision making) and at Harvard and Duke Universities. Before entering academia, Dr. Sah worked as a medical doctor for the U.K.’s National Health Service going on to be senior consultant and European marketing director at IMS Health Consulting. She holds a Ph.D. and M.S. in organizational behavior from Carnegie Mellon University, an M.B.A. with distinction from London Business School, an M.B. Ch.B. in medicine and surgery, and a B.Sc. (Hons.) in psychology from the University of Edinburgh.

Michael “Jeff” Salyards, Ph.D.

Dr. Salyards is the executive director of the Defense Forensic Science Center. He has served in this position since December 2012. From 2009–2012, he served as the chief scientist. Before coming to this position, he was a principal analyst with analytic services and authored a study about the best methods to train military personnel to collect forensic material during the conduct of military operations. He holds a Ph.D. in chemistry from Montana State University, a Masters of forensic sciences from the George Washington University, and has completed a fellowship in Forensic Medicine from the Armed Forces Institute of Pathology. A former director of the defense computer forensic laboratory and AFOSI special agent, he has

26 years of combined experience in investigations, forensic consulting, and teaching. He served as the deputy for operations and assistant professor at the Air Force Academy Chemistry Department and was honored with the Outstanding Academy Educator Award. Dr. Salyards has served on the board of directors for the American Society of Crime Laboratory Directors/Laboratory Accreditation Board, the Department of Justice National Steering Committee for Regional Computer Forensic Laboratories, the Council of Federal Forensic Laboratory Directors, the ASCLD Board of Directors, and as a commissioner for the Forensic Education Programs Accreditation Commission. He is a fellow of the American Academy of Forensic Sciences and has an impressive list of publications and presentations. In January of 2014, he was appointed to the National Commission on Forensic Science. Dr. Salyards is a retired commissioned officer in the U.S. Air Force. He has been married for 23 years and has three daughters.

Ex-Officio Members

Hon. Jed Rakoff

Jed S. Rakoff is a senior United States District Judge for the Southern District of New York as well as an adjunct professor at Columbia Law School, where he teaches an upperclass seminar on science and the courts. Prior to taking the bench in 1996, Judge Rakoff was a federal prosecutor (7 years) and a criminal defense lawyer (18 years). He is currently co-chair of the National Academy of Sciences' Committee on Scientific Approaches to Eyewitness Identification, and he previously served on the National Research Council's Review of the Scientific Approaches Used During the FBI's Investigation of the 2001 Anthrax Letters and on the Federal Judicial Center's Committee on the Development of the Third Edition of the Reference Manual on Scientific Evidence. From 2007-11, he was on the governing board of the MacArthur Foundation Initiative on Law and Neuroscience. He has a B.A. from Swarthmore College, an M.Phil. from Oxford University, and a J.D. from Harvard Law School.

David Honey, Ph.D.

Dr. David A. Honey currently serves as the director, Science and Technology, and as the assistant deputy director of National Intelligence for Science and Technology. In this assignment, he is responsible for the development of effective strategies, policies, and programs that lead to the successful integration of science and technology capabilities into operational systems. Prior to this assignment, Dr. Honey served as the deputy assistant secretary of Defense, Research, in the Office of the Assistant Secretary of Defense (Research and Engineering), from August 31, 2009, to November 4, 2011. Before that, Dr. Honey was the defense sector general manager and a senior vice president in a small business pursuing innovations in national security. Dr. Honey also served on the Air Force Scientific Advisory Board. He has also served as the director of the Defense Advanced Research Projects Agency (DARPA) Strategic Technology Office, director of the Advanced Technology Office, and deputy director and program manager of the Microsystems Technology Office. Dr. Honey is a retired Air Force lieutenant colonel who began his military career as a pilot (B-52D/H and FB-111) and later transitioned into managing a wide variety of technical programs involving intelligence, surveillance, and reconnaissance. He received a B.S. in Photographic science from Rochester Institute of Technology; an M.S. in optical science from the University of Arizona; an M.S. in engineering physics from the Air Force Institute of Technology (AFIT); and a Ph.D. in solid state science from Syracuse University.

Marilyn Huestis, Ph.D.

Professor Dr. Dr. (h.c.) Marilyn A. Huestis is senior investigator and chief, chemistry and drug metabolism, IRP, National Institute on Drug Abuse, National Institutes of Health, and adjunct professor in the department of epidemiology and preventive medicine, School of Medicine, University of Maryland. Her research program seeks to discover cannabinoid agonists and antagonists' mechanisms of action, *in utero* drug exposure effects, and the neurobiology and pharmacokinetics of designer drugs. She has published 326 peer-reviewed manuscripts. Professor Huestis received a B.S. in biochemistry from Mount Holyoke

College, a M.S. in clinical chemistry from the University of New Mexico, and a Ph.D. in toxicology from the University of Maryland. Professor Huestis received a Doctor Honoris Causa from the Faculty of Medicine, University of Helsinki, in Finland in 2010. She has received other important awards, including the International Association of Forensic Toxicologists Alan Curry Award in 2010, the American Association for Clinical Chemistry Outstanding Contributions in a Selected Area of Research Award in 2008, the International Association of Therapeutic Drug Monitoring and Clinical Toxicology Irving Sunshine Award in 2007, the American Academy of Forensic Sciences' Rolla N. Harger Award in 2005, and the Irving Sunshine Award for Outstanding Research in Forensic Toxicology in 1992. The journal *Clinical Chemistry* recently featured her as an "Inspiring Mind." She currently serves on the World Antidoping Agency's Prohibited List Committee, the Scientific Working Group on Toxicology (SWG-TOX), Transportation Research Board Committee on Alcohol and Other Drugs, and the National Safety Council's Alcohol, Drugs and Impairment Division Executive Board. Professor Huestis is past president of the Society of Forensic Toxicologists, past chair of the Toxicology Section of the American Academy of Forensic Sciences, past president of the International Association of Forensic Toxicologists, and was recently selected as an ex officio member of the National Commission on Forensic Science.

Gerald LaPorte

Mr. LaPorte serves as the Director in the Office of Investigative and Forensic Sciences at the National Institute of Justice (NIJ), where its mission is to improve the quality and practice of forensic science through innovative solutions that support research, development, technology, evaluation, and information exchange for the criminal justice community. His primary duties are to manage more than \$450 million in grant funds and to provide expert analysis and advice on agency-wide programs or issues of national impact relating to forensic science. Mr. LaPorte received his B.S. and B.B.A. from the University of Windsor (Canada) and M.S. in Forensic Science from the University of Alabama at Birmingham. Over the course of his 20-year career, he has worked with the Jefferson County coroner/medical examiner office (AL), a private clinical and forensic toxicology laboratory (TX), the Anne Arundel County Police Department crime laboratory (MD), and the Virginia Division of Forensic Sciences. Prior to joining NIJ, Mr. LaPorte was the chief research forensic chemist for the U.S. Secret Service. Mr. LaPorte has more than 15 publications and presented more than 80 lectures and workshops. He is a member of various organizations, including the American Academy of Forensic Sciences, Mid-Atlantic Association of Forensic Scientists, American Society of Questioned Document Examiners, and the American Bar Association. Mr. LaPorte has served on various committees, including ASTM and SWGDOC, and he is co-chair for the Standards Practices and Protocols Interagency Working Group within the Subcommittee on Forensic Science. Mr. LaPorte received the MAAFS 2005 Forensic Scientist of the Year award as well as numerous commendations, including the Law Enforcement Public Service Award from the U.S. Attorney's Office Eastern District of Virginia. He has testified as an expert more than 75 times in international, federal, and state courts.

Patricia Manzolillo

Ms. Manzolillo began her career with USPIS in 1996 in the Memphis Forensic Laboratory as a forensic document examiner. In 2003, she was promoted to assistant laboratory director in the National Forensic Laboratory in Dulles, VA, and assumed her current position of laboratory director in January 2009. Ms. Manzolillo is responsible for all forensic services supporting USPIS and USPS investigations. This includes the 45,000 square foot National Forensic Laboratory, the digital evidence unit's 18 field locations, and 65 forensic and administrative personnel in 7 primary and 18 subcategories of testing. Ms. Manzolillo received a B.A. from the University of Chicago in 1992 and a M.S. in Forensic Science from the University of Alabama at Birmingham in 1996. Ms. Manzolillo has co-authored papers in several peer reviewed journals. She is a member of the American Academy of Forensic Sciences, the American Society of Questioned Document Examiners, and the American Society of Crime Laboratory Directors, and was chair of the ASTM E30 Committee on Forensic Sciences from 2008 through 2013. Ms. Manzolillo is certified

by the American Board of Forensic Document Examiners. From 2009 to 2012, she represented the USPIS on the OSTP National Science and Technology Council Subcommittee on Forensic Science. Ms. Manzolillo chaired the Subcommittee's Interagency Working Group on Accreditation and Certification, leading 30 federal, state, and local forensic scientists in the development of white papers on accreditation, certification, and proficiency testing. Ms. Manzolillo has led numerous projects in her career, including collaboration with a Department of Energy National Laboratory on a project funded by a grant from the U.S. Technical Support Working Group to study the individuality of handwriting. Ms. Manzolillo also led the USPIS National Forensic Laboratory to successful accreditation by ASCLD-LAB in 2010, achieving a goal that had existed for more than 10 years.

Frances Schrotter

Frances E. Schrotter is senior vice president and chief operating officer at the American National Standards Institute (ANSI). In this position, she has primary responsibility for the Institute's activities supporting and facilitating the participation of U.S. interests in domestic, regional, and international standardization activities. Ms. Schrotter works closely with government agencies and public-sector stakeholders to explore how the private sector can assist in addressing its standardization needs. In addition, she collaborates with the ANSI constituency and other affected interests to identify the need for new standards and conformance programs and works with these groups to facilitate their timely implementation. Her role encompasses management of the ANSI administrative operations, including membership, communications, education and training services, and human resources as well as overseeing the Institute's cross-stakeholder forums for homeland defense and security, nanotechnology, electric vehicles, nuclear energy, energy efficiency, and identity theft protection and identity management. Since joining ANSI in 1976, Ms. Schrotter has worked with numerous domestic and international committees developing standards in dozens of industries, including the information technology standards arena, where she served as the first international secretariat of the ISO/IEC Joint Technical Committee 1 on Information Technology. Ms. Schrotter was born and raised in New York City. ANSI is a not-for-profit membership organization that brings together organizations from both the private and public sectors dedicated to furthering U.S. and international voluntary consensus standards and conformity assessments. ANSI accredits national standards for developing organizations and approves American National Standards. It is the sole U.S. representative to the International Organization for Standardization (ISO) and, via the U.S. National Committee, the International Electrotechnical Commission (IEC). ANSI is also a member of the International Accreditation Forum, the Pacific Area Standards Congress, and the Pan American Standards Commission.

Kathryn Turman

Kathryn M. Turman is the assistant director of the FBI's Office of Victim Assistance in Washington, DC. She oversees assistance to victims of federal crimes across the FBI, including services to child victims, Native American victims, victims of terrorism, and U.S. citizens who are taken hostage in foreign countries. Along with victim specialists in FBI field offices, the FBI's victim assistance program includes child interview specialists, a forensic pathologist, medical social workers, and rapid response teams of victim specialists that have deployed to support victims following mass casualty crimes and disasters on the Red Lake Reservation and at Virginia Tech, Fort Hood, Binghamton, Tucson, Aurora, Newtown, the Boston marathon bombing, and the Washington Navy Yard. Ms. Turman served in the Department of Justice from 1991 until 2002, first as director of the Missing and Exploited Children's Program, as chief of the Victim Witness Assistance Unit in the U.S. Attorney's Office for the District of Columbia, and as deputy director then director of the Office for Victims of Crime. Before joining the Department of Justice, she was a special assistant to Senator John Heinz and also spent many years working with children who suffered catastrophic illness and injury. Ms. Turman has worked with thousands of victims of crimes ranging from misdemeanor assaults to international terrorism. She hired the first forensic child interview specialists in the federal criminal justice system and also authored the first publication for victims explaining the role of DNA evidence in the criminal justice process. Under her leadership, the Office for Victims of Crime

sponsored innovative programs such as a telemedicine program by which forensic pediatricians located in urban hospitals could examine and consult with local physicians and nurses on child abuse cases in Indian Country and rural communities. Ms. Turman has served on numerous national task forces, boards, and Federal Advisory Committees, including the National Commission on the Future of DNA Evidence, the U.S. Advisory Board on Child Abuse and Neglect, and the Federal Advisory Committee on Sexual Assault Nurse Examiner/Sexual Assault Response Team, American Indian/Alaska Native Initiative. Ms. Turman authored a number of professional articles and Department of Justice publications for victims and law enforcement professionals on issues such as reunification of missing children and victim and family management and assistance after terrorism and mass casualty incidents. For her overall leadership on behalf of victims, she received the Edmund J. Randolph Award, the highest award provided by the Department of Justice in 2001. She was a 2005 recipient of the National Crime Victims Services Award from the Attorney General, the Attorney General's Award for Distinguished Service, and a National Intelligence Meritorious Unit Citation from the Director of the Central Intelligence Agency for her work on the Pan Am 103/Lockerbie prosecution. Ms. Turman was a recipient of the Presidential Rank Award for Meritorious Service in 2007.

Rebecca Ferrell, Ph.D.

Rebecca J. Ferrell, Ph.D., is program director of the biological anthropology program at the National Science Foundation (NSF), where she also serves as co-lead of NSF's forensic science efforts. She received her Ph.D. in anthropology from the Pennsylvania State University, after which she was a postdoctoral fellow at Georgetown University's Center for Population and Health and an assistant professor of anthropology at Howard University. Dr. Ferrell specializes in skeletal and dental anthropology, and she is interested in using the skeleton and dental microstructure to understand stress, health, aging, and mortality in past and present human populations. She has also conducted research on human reproductive aging and the evolution of menopause and is broadly interested in research on aging. In 2009, she transitioned to federal research administration as a scientific review officer at the National Institute on Aging, National Institutes of Health (NIH), where she served as a designated federal official for the peer review of grant proposals. At both NIH and NSF, she has served on working groups to address regulatory and processual challenges in peer review. Since arriving at NSF in 2014, Dr. Ferrell has managed a diverse portfolio of research on human and primate evolution, behavior, and biology. She is also working with colleagues across NSF and at other agencies to identify and cultivate basic research with relevance to forensic science, and to launch a forensic science Industry-University Cooperative Research Center.

Former Commissioners

Mark Weiss, Ph.D.

Mark Weiss is Director of the Behavioral and Cognitive Sciences Division at the National Science Foundation. He received his doctorate in anthropology from the University of California, Berkeley in 1969 after which he became a member of the Anthropology Faculty at Wayne State University. There, his research focused on application of DNA methodologies to questions of anthropological significance. He left the university in 2000 for the US National Science Foundation. Until 2005 Weiss was program director of physical anthropology at NSF when he was seconded to the Office of Science and Technology Policy at the White House where he served as Assistant Director for Social, Behavioral and Economic Sciences. Upon returning to NSF in 2006 he was Senior Science Advisor in the Directorate for Social, Behavioral and Economic Sciences until becoming Division Director the following year. He has represented NSF on a number of interagency committees including the NSTC's Human Subjects Research Subcommittee, the Social, Behavioral and Economic Sciences Subcommittee and the Subcommittee on Forensic Sciences (SoFS). While serving on SoFS, he also co-chaired the Research, Development, Testing and Evaluation Working Group. At NSF he has been instrumental in seeking to improve communication between academic

researchers and the forensic science community and to strengthening support of basic science that has downstream applications in forensic science.

William Crane

Mr. William (Bill) Crane is a retired special agent of the U.S. Department of State, with many years of Federal law enforcement experience as well as significant experience in digital forensics and law enforcement training and education. Much of his more recent experience has been international, as he lived and worked in England and New Zealand. He is currently an associate professor and graduate digital forensics program director at Champlain College in Burlington, Vermont. Mr. Crane has more than 20 years of practical experience in the field of cybercrime and the forensic acquisition and analysis of digital data from computers and other digital devices and more than 30 years of supervision and management experience of national-level law enforcement programs. Mr. Crane is experienced as a fact and expert court witness on digital forensics in the United States and New Zealand and is experienced in complicated financial crimes as well as child exploitation, cybercrimes, and Internet fraud. Mr. Crane is a Certified Forensic Computer Examiner since 1994 and is a Digital Forensics Computer Practitioner. He is also a member of numerous technical working groups on the development of digital forensic standards and best practice guidelines. Mr. Crane earned a B.S. from the American University, Washington, D.C., and a Master's Diploma in cybercrime forensics, from Canterbury Christ Church University, in Canterbury, England.

Vincent Di Maio, M.D.

Dr. Di Maio obtained his Medical Degree from the State University of New York, Downstate Medical Center, in 1965. He did a year internship in Pathology at Duke University Hospital, Durham, N.C., followed by three years of residency in Pathology at the Downstate-Kings County Medical Center in Brooklyn, New York. This was followed by a one year fellowship in Forensic Pathology at the Maryland Medical Examiner's Office. He was then Board Certified in Anatomical, Clinical and Forensic Pathology. From July 1, 1970 - June 30, 1972, he was a Major in the Army Medical Corps assigned to the Armed Forces Institute of Pathology in Washington, D.C. where he was Chief of the Legal Medicine Section and Chief of the Wound Ballistic Section. Dr. Di Maio was a Medical Examiner in Dallas, TX, from July 1, 1972 - February 28, 1981. He served as Chief Medical Examiner in Bexar County, Texas, (San Antonio), from March 1, 1981, until his retirement on December 31, 2006. He was Director of Bexar County Criminal Investigation Laboratory from March 1, 1981 - April 15, 1997. He was a Professor in the Department of Pathology, University of Texas Health Science Center at San Antonio, from February 1, 1987, to December 31, 2006. Dr. Di Maio is Presiding Officer of the Texas Forensic Science Commission and is Editor-in-Chief of the American Journal of Forensic Medicine and Pathology. He is the author/co-author of four texts: Excited Delirium Syndrome; Forensic Pathology; Gunshot Wounds and Handbook of Forensic Pathology. In addition, he is the author/co-author of 88 scientific articles, 14 scientific letters and 15 book chapters.