

Appendix B. National Commission on Forensic Science Subcommittees

National Commission on Forensic Science (NCFS) Subcommittees develop work products—Recommendation and Views documents—for NCFS. They are chaired by Commissioners and have approximately 20 members composed of both Commissioners and the public. Membership rosters and work product archives for each Subcommittee are under the respective links.

Accreditation and Proficiency Testing Subcommittee

Accreditation is a process by which an independent third party verifies compliance with established standards. In forensic science, accreditation standards include criteria for laboratories performing specific types of testing and/or examination, measurement, or calibration activities. Additionally, the implementation of a robust and standardized proficiency testing program, used in conjunction with or independent of accreditation, is a key element of an effective quality management system. Professional certification is the recognition by an independent body that an individual has acquired and demonstrated specialized knowledge, skills, and abilities in the standard practices necessary to execute the duties of his or her profession. The Accreditation and Proficiency Testing Subcommittee will consider the role of accreditation and proficiency test programs as part of a quality management system and forensic science personnel certification, and will explore issues such as consistency of existing standards and programs, application to technological innovations, and challenges associated with implementation.

Members

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| Linda Jackson <i>Laboratory Director Virginia Department of Forensic Science</i> | Patricia Manzollilo <i>Laboratory Director United States Postal Inspection Service</i> |
| Gregory Czarnopys <i>Deputy Assistant Director, Forensic Services Bureau of Alcohol, Tobacco, Firearms and Explosives</i> | Julia Leighton <i>General Counsel District of Columbia Public Defender Service</i> |
| Cecelia Crouse <i>Director Palm Beach County Sheriff's Office Crime Laboratory</i> | Nelson Santos <i>Deputy Assistant Administrator Drug Enforcement Administration</i> |
| Marc LeBeau, Ph.D. <i>Scientific Forensic Scientist Federal Bureau of Investigation</i> | Frances Schrotter <i>Senior Vice President and Chief Operating Officer American National Standards Institute</i> |
| Sgt. Troy Lawrence <i>Director, Digital Forensics Laboratory Fort Worth Police Department</i> | |
| Karin Athanas <i>Forensics Program Manager A2LA</i> | Captain Greg Michaud <i>Forensic Science Division Director Michigan State Police</i> |

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| Bicka Barlow <i>Attorney and Forensic Consultant</i> | Brady Mills <i>Deputy Assistant Director Texas Department of Public Safety</i> |
| Pam Bordner <i>Senior Accreditation Program Manager American Society of Crime Laboratory Directors/Laboratory Accreditation Board</i> | Roger Muse <i>Director, Business Development ANSI-ASQ National Accreditation Board</i> |
| Loralie Langman <i>Director of Toxicology Mayo Clinic College of Medicine</i> | Anjali Ranadive <i>President and Chief Executive Officer SciLawForensics, Ltd.</i> |
| Deborah Leben <i>Laboratory Director US Secret Service</i> | Marvin Schechter <i>Criminal Defense Attorney</i> |
| Pete Marone <i>Retired Director Virginia Department of Forensic Science</i> | Chris Taylor <i>Supervisor Chemist & Branch Chief United States Army Criminal Investigation Laboratory</i> |

Human Factors Subcommittee

Human factors is a multidisciplinary field that examines ways in which human performance (e.g., the judgments of experts) can be influenced by cognitive, perceptual, organizational, social, and cultural factors, and other human tendencies. The Human Factors Subcommittee will examine factors that influence the performance of forensic scientists as they draw conclusions from physical evidence and communicate their findings in the legal system, and will recommend policies and procedures to improve the performance of forensic laboratories and their personnel in the various roles they perform. Specific areas of focus will include minimizing cognitive bias, reducing the risk of human error, testing and evaluating human performance, and improving communication of scientific findings.

Members

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| The Honorable Bridget Mary McCormack <i>Justice Michigan State Supreme Court</i> | Jules Epstein <i>Professor of Law and Director of Advocacy Programs Temple Beasley School of Law</i> |
| Thomas Albright <i>Professor and Conrad T. Prebys Chair Salk Institute for Biological Studies</i> | Phil Pulaski <i>Chief of Police Muttontown Police Department</i> |
| Gregory Champagne <i>Elected Sheriff St. Charles Parish, Louisiana</i> | Sunita Sah <i>Assistant Professor Cornell University</i> |
| Stephen Fienberg <i>Maurice Falk Professor of Statistics and Social Science Carnegie Mellon University</i> | Rebecca Ferrell, Ph.D. <i>Program Director, Biological Anthropology Program National Science Foundation</i> |

Additional Members

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| Michael Ambrosino <i>Special Counsel for DNA and Forensic Evidence Litigation</i> <i>United States Attorney's Office</i> <i>U.S. Department of Justice</i> | Simon Cole <i>Professor</i> <i>Department of Criminology, Law & Society</i> <i>School of Social Ecology,</i> <i>University of California, Irvine</i> |
| Itiel Dror, Ph.D. <i>Cognitive Neuroscientist</i> <i>University College London and</i> <i>Cognitive Consultants International</i> | Hany Farid, Ph.D. <i>Professor, Computer Science</i> <i>Dartmouth University</i> |
| Jerome Kassirer, M.D. <i>Distinguished Professor</i> <i>Tufts University School of Medicine</i> | Deborah Leben <i>Laboratory Director</i> <i>United States Secret Service</i> <i>Department of Homeland Security</i> |
| Christian Meissner, Ph.D. <i>Professor</i> <i>Department of Psychology</i> <i>Iowa State University</i> | Michael Nerheim <i>Lake County State's Attorney</i> <i>Waukegan, Illinois</i> |
| Kate Philpott <i>Forensic Consultant</i> <i>Former Forensic Staff Attorney</i> <i>DC Public Defender Service</i> | Michael Risinger <i>Professor of Law</i> <i>Seton Hall University School of Law</i> |
| Barry Scheck <i>Co-Director</i> <i>Innocence Project</i> | Laura Sudkamp <i>Laboratory System Director</i> <i>Kentucky State Police Forensic Services Division</i> |
| Melissa Taylor <i>Management and Program Analyst</i> <i>NIST</i> | William Thompson, Ph.D. <i>Professor</i> <i>School of Social Ecology</i> <i>University of California, Irvine</i> |
| Dustin Yeatman <i>Toxicology/Chemistry Manager</i> <i>Palm Beach County Sheriff's Office</i> | John Hollway <i>Executive Director</i> <i>Quattrone Center for the Fair Administration of Justice</i> |

Interim Solutions Subcommittee

There are many factors that can improve the quality of forensic science, such as research, accreditation, and standards implementation. Independent of these long-term initiatives, there are a number of interim improvements that can be accomplished that further enhance scientific practices and support quality assurance measures for forensic service providers and stakeholders who rely on their work. The Interim Solutions Subcommittee will develop near-term recommendations that are consistent with fundamental forensic science examination, scientific practice, and quality management principles, which may include reporting requirements for all work performed, root cause analysis, defining terminology, and devising language for expressing the limitations of results of analyses.

Members

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| Dean Gialamas <i>Division Director, Technical and Support Division Los Angeles County Sheriff's Department</i> | Peter Neufeld <i>Co-Director Innocence Project</i> |
| Ted Hunt <i>Chief Trial Attorney Jackson County (MO) Prosecutor's Office</i> | Marc LeBeau <i>Senior Forensic Scientist Federal Bureau of Investigation Laboratory</i> |
| S. James (Jim) Gates, Jr. <i>Regents and John S. Toll Professor of Physics University of Maryland</i> | Julia Leighton <i>General Counsel District of Columbia Public Defender Service</i> |
| Paul Giannelli <i>Distinguished University Professor Case Western Reserve University</i> | Patricia Manzollilo <i>Laboratory Director United States Postal Inspection Service</i> |
| Susan Howley <i>Director of Public Policy National Center for Victims of Crime</i> | Michael "Jeff" Salyards <i>Executive Director Defense Forensic Science Center</i> |
| Marilyn Huestis <i>Chief of Chemistry and Drug Metabolism National Institutes of Health</i> | |
| Adam Becnel <i>Crime Laboratory Manager Louisiana State Police Crime Laboratory</i> | John Hollway <i>Executive Director Quattrone Center for the Fair Administration of Justice</i> |

Medicolegal Death Investigation Subcommittee

In the United States, the medicolegal death investigation profession is generally composed of three major personnel categories: medicolegal death investigators, coroners, and medical examiners. The Medicolegal Death Investigation Subcommittee will examine ways to enhance services being provided by this array of practitioners and develop solutions that ensure that our nation is provided the highest quality services related to the determination of cause and manner of death.

Members

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| John Fudenberg <i>Assistant Coroner Clark County (NV) Office of the Coroner/Medical Examiner</i> | Randy Hanzlick <i>Consultant Retired Chief Medical Examiner, Fulton County, Georgia Retired Professor of Forensic Pathology, Emory University School of Medicine, Atlanta</i> |
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Commission Members

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| Frederick Bieber <i>Medical Geneticist Bingham and Women's Hospital</i> | Gregory Champagne <i>Elected Sheriff St. Charles Parish, Louisiana</i> |
| Phil Pulaski <i>Chief of Police Muttontown Police Department</i> | Matt Redle <i>Sheridan County (WY) County and Prosecuting Attorney Sheridan County Prosecuting Attorney's Office</i> |
| Kathryn Turman <i>Program Director, Office of Victim Assistance United States Department of Justice</i> | |
| Laura Crandall <i>Assistant Executive Director for Advocacy The Sudden Unexplained Death in Childhood Program</i> | Frank DePaolo <i>Assistant Commissioner New York City Office of Chief Medical Examiner</i> |
| Captain Brian Elias <i>Los Angeles County Coroner's Office</i> | Kurt Nolte <i>Professor of Pathology & Radiology University of New Mexico</i> |
| Elias Kontanis <i>Coordinator for Medicolegal Operations National Transportation Safety Board</i> | |

Reporting and Testimony Subcommittee

Results of forensic analyses have a wide audience: law enforcement officers, lawyers, judges, juries, and victims. Significant variability exists as to the scope, contents, and disclosure of forensic science reports and the accompanying standards and terminology used by the author-experts to describe their results and conclusions in their reports and in their testimony. The Reporting and Testimony Subcommittee will consider ways to address current inconsistencies and insufficiencies and to enhance adequacy, accuracy, and uniformity in such reports and testimony as well as in the underlying documentation and processes.

Members

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| The Honorable Jed Rakoff <i>Senior Federal District Judge Southern District of New York</i> | Matt Redle <i>Sheridan County and Prosecuting Attorney Sheridan County (WY) Prosecuting Attorney's Office</i> |
| Jules Epstein <i>Professor of Law and Director of Advocacy Programs Temple Beasley School of Law</i> | Gerald LaPorte <i>Director, Office of Investigative and Forensic Science National Institute of Justice</i> |
| Stephen Fienberg <i>Maurice Falk University Professor of Statistics and Social Science Carnegie Mellon University</i> | Hon. Pam King <i>Judge Minnesota District Court</i> |

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| Paul Giannelli <i>Distinguished University Professor Case Western Reserve University</i> | Julia Leighton <i>General Counsel DC Public Defender Service</i> |
| The Honorable Barbara Hervey <i>Texas Court of Criminal Appeals</i> | Phil Pulaski <i>Chief of Police Muttontown Police Department</i> |
| Susan Howley <i>Director of Public Policy National Center for Victims of Crime</i> | Peter Neufeld <i>Co-Director Innocence Project</i> |
| Linda Jackson <i>Laboratory Director Virginia Department of Forensic Science</i> | Sgt. Troy Lawrence <i>Director, Digital Forensics Laboratory Fort Worth Police Department</i> |
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| Mike Cariola <i>President & CEO Bode Technology Group</i> | Thomas McShane <i>President of Investigations and Monitoring Guidepost Solutions, LLC</i> |
| Alicia Carriquiry <i>Distinguished Professor of Statistics Iowa State University</i> | Ray Miller, Ph.D. <i>Chief, National Security and Major Crimes Unit U.S. Attorney's Office, District of Connecticut</i> |
| Jamie Downs <i>Consultant Forensic Pathologist forensX LLC</i> | Jill Spriggs <i>Private Consultant</i> |
| Larry Kobilinsky <i>Professor & Chair John Jay College of Criminal Justice</i> | Charlotte Word <i>Private Consultant</i> |
| David Kaye <i>Distinguished Professor of Law Penn State University</i> | Paula Wulff <i>Assistant General Counsel FBI Laboratory</i> |

Scientific Inquiry and Research Subcommittee

There is considerable debate regarding the strength of the foundational science underpinning some forensic science disciplines. Additionally, fragmentation of research efforts hinders the development and deployment of advanced technologies for forensic science. The Scientific Inquiry and Research Subcommittee will consider ways to examine existing foundational research and recommend research priorities for technological investments that can improve the quality and timeliness of forensic analyses.

Members

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| Suzanne Bell <i>Associate Professor of Chemistry West Virginia University</i> | Michael “Jeff” Salyards <i>Executive Director Defense Forensic Science Center</i> |
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Commission Members

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| John Butler <i>NIST Fellow & Special Assistant to the Director for Forensic Science</i> <i>National Institute of Standards and Technology</i> | Marilyn Huestis <i>Chief of Chemistry and Drug Metabolism</i> <i>National Institutes of Health</i> |
| Arturo Casadevall <i>Bloomberg Distinguished Professor and Chair</i> <i>Johns Hopkins Bloomberg School of Public Health</i> | Gerry LaPorte <i>Director, Office of Investigative and Forensic Sciences</i> <i>National Institute of Justice</i> |
| Cecelia Crouse <i>Laboratory Director</i> <i>Palm Beach County (FL) Sheriff's Office Crime Laboratory</i> | Marc LeBeau <i>Senior Forensic Scientist</i> <i>Federal Bureau of Investigation Laboratory</i> |
| M. Bonner Denton <i>Professor</i> <i>University of Arizona</i> | Peter Neufeld <i>Co-Director</i> <i>Innocence Project</i> |
| Stephen Fienberg <i>Maurice Falk University Professor of Statistics and Social Science</i> <i>Carnegie Mellon University</i> | Rebecca Ferrell, Ph.D. <i>Program Director, Biological Anthropology Program</i> <i>National Science Foundation</i> |

Additional Members

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| Sarah Chu <i>Senior Forensic Policy Advocate</i> <i>Innocence Project</i> | Kurt Nolte <i>Professor</i> <i>Office of the Medical Investigator</i> |
| Karen Kafadar <i>Commonwealth Professor and Chair</i> <i>Department of Statistics</i> <i>University of Virginia</i> | Jeffery Tomberlin <i>Associate Professor of Chemistry</i> <i>Department of Entomology</i> <i>Texas A&M University</i> |

Training on Science and the Law Subcommittee

There are limited uniform national programs for educating lawyers and judges on forensic science and educating forensic scientists on relevant laws. The Training on Science and Law Subcommittee will explore mechanisms for judges, lawyers, and forensic scientists to engage in collaborative training to ensure that legal professionals understand the probative value and limitations of forensic science and forensic practitioners understand legal procedure and issues associated with the presentation of scientific evidence in court.

Members

Co-Chairs

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| The Honorable Barbara Hervey <i>Texas Court of Criminal Appeals</i> | S. James (Jim) Gates, Jr. <i>Regents and John S. Toll Professor of Physics</i> <i>University of Maryland</i> |
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Commission Members

Gregory Czarnopys
*Deputy Assistant Director, Forensic Services
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Hon. Pam King
*Judge
 Minnesota District Court*

Jules Epstein
*Professor of Law and Director of Advocacy Programs
 Temple Beasley School of Law*

The Honorable Bridget Mary McCormack
*Justice
 Michigan State Supreme Court*

Ted Hunt
*Chief Trial Attorney
 Jackson County (MO) Prosecutor's Office*

Additional Members

The Honorable Sid Harle
Bexar County District Court Judge

General Michael Marchand
*President
 The Center for American and International Law*

The Honorable Bob Humphreys
*Judge
 Court of Appeals of Virginia*

Barry Scheck
*Co-Director
 Innocence Project*

D. Pat Johnson
*Deputy Assistant Director (Ret.)
 Crime Laboratory Service
 Texas Department of Public Safety*