



An Update on Strengthening Forensic Science in the United States: A Decade of Development

Tuesday, November 12, 2019 | Washington, D.C.



Scientific Responsibility,
Human Rights and Law

**INNOCENCE
PROJECT**



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AAAS Headquarters
Washington, D.C.



Scientific Responsibility,
Human Rights and Law



In collaboration with

*The National
Academies of*

SCIENCES
ENGINEERING
MEDICINE

Tuesday, November 12, 2019

- 8:00 **Registration and Continental Breakfast**
- 8:30 **Welcome**
Jessica Wyndham, Director, Scientific Responsibility, Human Rights and Law Program, AAAS
- 8:40 **Keynote: The Importance of Forensic Science and Its Place in the Scientific Enterprise**
Moderator: **Deborah Runkle**, Senior Program Associate, Scientific Responsibility, Human Rights and Law Program, AAAS
Speaker: **Thomas Albright**, Professor and Conrad T. Prebys Chair, The Salk Institute for Biological Studies
- 9:10 **Historical Perspectives: What Has Happened Since 2009**
Moderator: **Joanne Carney**, Director, Office of Government Relations, AAAS
Speaker: **John Butler**, Special Assistant to the Director for Forensic Science, NIST
- 9:30 **Federal Agencies: Research and Funding**
Moderator: **Alicia Carriquiry**, Director, Center for Statistics and Applications in Forensic Evidence (CSAFE), Iowa State University
Speakers:
Rebecca Ferrell, Program Director, Division of Behavioral and Cognitive Sciences, National Science Foundation
Gene Peters, Chief, Counterterrorism & Forensic Science Research, FBI Laboratory
Jonathan McGrath, Policy Analyst, National Institute of Justice
Robert Ramotowski, Forensic Science Program Manager, NIST
- 10:45 **Break**
- 11:00 **Breakthroughs in Foundational Research**
Moderator: **Theresa Harris**, Project Director, Scientific Responsibility, Human Rights and Law Program, AAAS
Speakers:
JoAnn Buscaglia (Latent Fingerprints), Research Chemist, Counterterrorism and Forensic Science Research, FBI Laboratory
Robert Thompson (Toolmarks and Firearms), Senior Forensic Science Research Manager, Special Programs Office, NIST
- 12:00 **Lunch**

1:00

Keynote: An Australian Viewpoint

Moderator: Anne-Marie Mazza, Senior Director, Committee on Science, Technology and Law, National Academies of Science, Engineering and Medicine

Speaker: Linzi Wilson-Wilde, Director, National Institute of Forensic Science, Australia

1:30

Breakthroughs in Laboratory Management

Moderator: Sarah Chu, Senior Science Policy Advisor, Innocence Project

Speakers:

Linda Jackson, Director, Virginia Department of Forensic Science

Peter Stout, CEO and President, Houston Forensic Science Center

2:30

Human Factors/Cognitive Bias

Moderator: Steve Pierson, Director of Science Policy, American Statistical Association

Speakers:

John Hollway, Associate Dean and Executive Director of the Quattrone Center, University of Pennsylvania Law School

Melissa Taylor, Senior Forensic Science Research Manager, Forensic Science and Research Program, NIST

3:15

Break

3:30

What's Happening in the Courts?

Moderator: Joe Cecil, Fellow, University of California, Berkeley School of Law

Speakers:

Mark Larson, Chief Deputy, Criminal Division King County Prosecutor's Office, Washington

Julia Leighton, General Counsel, Public Defender Service for the District of Columbia (retired)

Honorable Bridget McCormack, Chief Justice, Michigan Supreme Court

4:45

Wrap Up: Looking Back and Moving Forward

Moderator: Glinda Cooper, Director of Science and Research, Innocence Project

Speakers:

Richard Cavanagh, Director, Special Programs Office, NIST

Peter Neufeld, Co-founder, Innocence Project

Jessica Wyndham, Director, Scientific Responsibility, Human Rights and Law Program, AAAS

5:15

Reception



Speakers

Thomas Albright

Thomas D. Albright is Professor and Conrad T. Prebys Chair at the Salk Institute for Biological Studies in La Jolla, California. His laboratory seeks to understand the brain bases of visual perception, memory and visually-guided behavior. An important goal of this work is the development of therapies for blindness and perceptual impairments resulting from disease, trauma or developmental disorders of the brain. A second aim of Albright's work is to use growing knowledge of brain, perception and memory to inform design in architecture and the arts, to leverage societal decisions and public policy, and to advise on matters of law and justice. Albright received a Ph.D. in psychology and neuroscience from Princeton University. He is a member of the National Academies of Science, Engineering and Medicine (NASEM), a fellow of the American Academy of Arts and Sciences, and a fellow of the American Association for the Advancement of Science. Albright served as co-chair of the NASEM Committee on Scientific Approaches to Eyewitness Identification, which produced the 2014 report *Identifying the Culprit: Assessing Eyewitness Identification*. He is a member of the NASEM Committee on Science, Technology and Law, and served on the National Commission on Forensic Science, an advisory body to the U.S. Department of Justice. Albright is currently a member of the Human Factors Resource Committee of the NIST Organization of Scientific Area Committees for Forensic Science.

JoAnn Buscaglia

JoAnn Buscaglia is a Research Chemist with the Counterterrorism and Forensic Science Research Unit at the Federal Bureau of Investigation (FBI) Laboratory, where she has worked for more than 20 years. Prior to joining the FBI Laboratory, she worked for almost a decade in academia and as a consultant for both private- and public-sector forensic, environmental, and industrial hygiene laboratories. Buscaglia received her Ph.D. from the City University of New York in 1999, and a B.S. and M.S. in Forensic Science (Criminalistics) from John Jay College of Criminal Justice. She has delivered over 100 technical presentations at professional and scientific conferences, and published book chapters and articles in the peer-reviewed scientific literature. Buscaglia is currently a Scientific and Technology Fellow of the Office of the Director of National Intelligence, a member of the NIST Organization of Scientific Area Committees's (OSAC) Forensic Standards Board, a member of the Technocal Advisory Board for the Center for Statistics and Applications in Forensic Evidence (CSAFE), and a Steering Committee member for the International Fingerprint Research Group.

John Butler

John M. Butler is an internationally recognized expert in forensic DNA analysis and holds a Ph.D. in analytical chemistry from the University of Virginia. He has written criminal casework, paternity investigations, and many DNA ancestry procedures. He has been honored in multiple White House ceremonies (2002 and 2015) for his work in advancing DNA testing. In 2011, ScienceWatch.com named him the world-wide high-impact author in legal medicine and forensic science over the previous decade. He has received the Gold Medal (2008) and Silver Medal (2002) from the U.S. Department of Commerce, the Scientific Prize of the International Society of Forensic Genetics (2003), and the Paul L. Kirk Award from the American Academy of Forensic Sciences (2017). Butler is a NIST Fellow (highest scientific rank at NIST) and Special Assistant to the Director for Forensic Science and served as the Vice-Chair of the National Commission on Forensic Science from 2014 to 2017.

Joanne Carney

Joanne Padrón Carney is the Director for Government Relations at AAAS. Since 1997, she has managed all activities of the program, including production of the weekly *AAAS Policy Alert*; tracking legislation related to a wide range of policy issues that affect the research community; organizing an annual S&T policy workshop for graduate students; briefings for congressional leaders and their staff; and formulating AAAS policy strategies, statements and testimony. She also serves on the AAAS Fellowship Advisory Committee, the Golden Goose Award Steering Committee, and the Task Force on American Innovation Steering Committee.

Alicia Carriquiry

Alicia Carriquiry graduated with a degree in Agricultural Engineering in 1982 in Montevideo, Uruguay. She enrolled in a master's degree program in animal genetics at the University of Illinois in Urbana, and graduated in 1985. She then moved to Iowa State University in Ames, where she completed a joint Ph.D. in statistics and animal genetics in 1989. Since 1990, Carriquiry has been on the faculty in the Department of Statistics at Iowa State University. She is currently Distinguished Professor of Liberal Arts and Sciences, President's Chair in Statistics, and Director of the Center for Statistics and Applications in Forensic Evidence (CSAFE), a National Institute of Standards and Technology (NIST) Center of Excellence. She is an elected member of the National Academy of Medicine, a Fellow of the American Statistical Association, the Institute of Mathematical Statistics, the International Society for Bayesian Analysis and the American Association for the Advancement of Science, and an elected member of the International Statistical Institute. Her research interests include measurement error modeling, survey sampling and Bayesian methods. In recent years, she has become interested in learning algorithms and their application in various disciplines, in particular in forensic science.



Richard Cavanagh

Richard Cavanagh is the Director of the Special Programs Office at the National Institute of Standards and Technology. He directly supports the NIST Director and Associate Director for Laboratory Programs by helping ensure that research supporting forensics, greenhouse gases, and homeland and national security projects/programs is congruent with NIST's research capabilities and overall programmatic priorities and overseeing the development and implementation of NIST's policies regarding Scientific Integrity and Research Misconduct. Cavanagh has held several leadership responsibilities in addition to those at NIST. He is a Fellow of the American Vacuum Society and of the American Physical Society. He served as the chairman of the Versailles Project on Advanced Materials and Standards, was a member of the World Anti-Doping Association's Laboratory Expert Group, and co-chaired OSTP's Interagency Working Group on Medical Imaging.

Joe Cecil

Joe Cecil is a Fellow at the Civil Justice Research Initiative at the University of California, Berkeley School of Law. He recently retired from the Division of Research at the Federal Judicial Center, where he examined access to justice in federal district courts as a result of policy changes regarding the use of dispositive motions (motions to dismiss, summary judgment, etc.). His research in this area has been commissioned and relied upon by the advisory committees on federal rules of the Judicial Conference of the United States. While at the Center, Cecil also focused on the role of scientific evidence in federal courts, conducting empirical research projects on admissibility of scientific evidence in civil and criminal litigation and the role of court-appointed experts. Since 1990 he directed the Center's Program on Scientific and Technical Evidence. As part of this program he developed the Center's *Reference Manual on Scientific Evidence*, and is collaborating on the development of the fourth edition of the *Reference Manual*, which will be published jointly by the Federal Judicial Center and the National Academies. Cecil has been a member of the National Academies' Committee on Science, Technology & Law since it began in 1998. He has been appointed as a member of a number of panels of the National Academies of Science, Engineering and Medicine, including recent service on panels issuing reports on eyewitness identification (*Identifying the Culprit*, 2014) and forensic science (*Strengthening Forensic Science in the United States*, 2009). Cecil received his J.D. and a Ph.D. in psychology from Northwestern University.



Sarah Chu


Sarah Chu joined the Innocence Project in September 2008. As the Senior Advisor on Forensic Science Policy, she supports policy work that focuses on improving the validity and reliability of forensic science. Prior to joining the Innocence Project, Sarah worked in executive search and as a middle school science teacher in the NYC public schools. She also represents her community on her local community board. During her academic career, Sarah published work in plant biology and musculoskeletal epidemiology. Sarah graduated from the University of California, San Diego with bachelor degrees in Biochemistry/Cell Biology, Communication, and a master's in Biology. She also holds a master's in Epidemiology from Stanford University.

Glinda Cooper

Glinda Cooper is the Director of Science and Research at the Innocence Project. Prior to joining the Innocence Project in 2016, Cooper led efforts to create and implement an evidence-based, systematic review framework for the evaluation of chemical hazards at the National Center for Environmental Assessment at the U.S. Environmental Protection Agency. She also directed a multidisciplinary research program in environmental health and autoimmune diseases at the National Institutes of Health, and is an internationally-recognized expert in environmental epidemiology and women's health. At the Innocence Project, Cooper is focusing on efforts to strengthen the scientific basis of forensic disciplines and evidence-based reforms aimed at reducing wrongful prosecutions and convictions. Cooper received a doctorate from the Department of Epidemiology at the University of North Carolina at Chapel Hill and a master's degree in Health Policy and Management from the Harvard School of Public Health. She has published more than 100 peer-reviewed papers based on her research and has been an invited speaker and workshop organizer at numerous international and national meetings.

Rebecca Ferrell

Rebecca Ferrell is the Program Director for the Biological Anthropology Program at the National Science Foundation (NSF). Ferrell manages a diverse portfolio of research on human and primate evolution, behavior, and biology. She also works with colleagues across NSF and at other agencies to identify and cultivate basic research with relevance to forensic science, and serves as the program officer for the Center for Advanced Research in Forensic Science, an NSF-funded Industry-University Cooperative Research Center. Ferrell 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. She has also served as a Scientific Review Officer at the National Institute



on Aging, National Institutes of Health (NIH). Ferrell specializes in skeletal and dental anthropology and is broadly interested in understanding stress, health, aging, and mortality in past and present human populations.

Theresa Harris


Theresa Harris is a Project Director in the AAAS Scientific Responsibility, Human Rights and Law Program. Her interests include the implementation of internationally recognized human rights principles in U.S. laws and policies and the intersections of information technology, human rights and law. Prior to joining AAAS she led Human Rights USA as its Executive Director, where she represented survivors of human rights violations before United States courts, the Inter-American human rights system and United Nations human rights mechanisms. Theresa has served on the Board of Directors of Amnesty International USA and is a member of the governing body of the World Organization Against Torture (OMCT). She holds a B.A. in Anthropology, an M.S. in Urban and Regional Planning and a J.D. from American University Washington College of Law.

John Hollway

John F. Hollway is Associate Dean and Executive Director of the Quattrone Center for the Fair Administration of Justice at the University of Pennsylvania Law School. His research helps organizations confront challenges and turn negative occurrences into opportunities for quality improvement. He is a national thought leader on the use of root cause analysis in criminal justice, and is a frequent consultant to criminal justice agencies and corporations on quality improvement and measurement issues. He is the author of numerous publications, including *Conviction Review Units: A National Perspective* (2016), *A Systems Approach to Preventing Errors in Criminal Justice* (2014), and *Killing Time: An 18-Year Odyssey from Death Row to Freedom*, winner of the National Independent Book Award for non-fiction in 2011, and one of the *Chicago Sun-Times*' Best Books of the Year. Hollway holds a bachelor's degree from Penn State University in Diplomatic History with a minor in East Asian Studies, a J.D. with honors from the George Washington University Law School, and a MAPP degree with Distinction from Penn State University.

Linda Jackson

Linda Jackson has served as the Director of the Virginia Department of Forensic Science (DFS) since her initial appointment in 2013. She has a B.S. degree in Chemistry 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 Mass Spectrometer Operator, 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 the Controlled Substances, Toxicology and Trace Evidence disciplines. Jackson currently serves as Secretary for the American Society of Crime Laboratory Directors (ASCLD) Board of Directors and is a member of the NIJ Forensic Laboratory Needs-Technology Working Group (FLN-TWG). She is a member of the American Academy of Forensic Sciences (AAFS), the international Scientific Working Group for Seized Drug Analysis (SWGDRUG), the ASTM E-30 Committee on Forensic Science, and the Mid-Atlantic Association of Forensic Scientists (MAAFS). She served on the National Commission on Forensic Science from 2013–2017 and the White House Subcommittee on Forensic Sciences Interagency Working Group on Standards, Practices and Protocols from 2009–2012.

Mark Larson

Mark Larson received his J.D. in 1985 and has served as a King County Deputy Prosecutor throughout his career. In 1993, he was named Chief Deputy of the Criminal Division, which employs over 170 lawyers. He has a long-standing interest in eyewitness identification and wrongful convictions, and helped author the National Institute of Justice's *Eyewitness Evidence: a Guide for Law Enforcement* (1998). More recently, he co-authored *Eyewitness Identification: An Update on What Chiefs Need to Know*, published in *The Police Chief* (2013). Larson also authored *The Exoneration of Brandon Olebar in The Marshall Project* (Feb. 2015).

Julia Leighton

Julia Leighton is the former general counsel for the Public Defender Service for the District of Columbia (PDS). As general counsel, Leighton advised the PDS's Board of Trustees, the PDS management team, and PDS lawyers on a wide variety of legal issues and managed litigation involving PDS. Leighton is a former two term member of the D.C. Bar Legal Ethics Committee and the D.C. Rules of Professional Conduct Review Committee. In addition to her duties as general counsel, she was a member of PDS's Forensic Practice Group and was a 2001 founding member. In 2014 Leighton was appointed by the U.S. Attorney General to the National Commission on Forensic Science. Leighton served as a voting member on the Commission until its charter was sunset and served on three of its subcommittees. Prior to becoming PDS's general counsel, she spent eleven years litigating criminal cases at both the trial and appellate level; eight years as a staff attorney at PDS, and three years as a trial attorney in the Environmental Crimes Section of the U.S. Department of Justice. Leighton received her B.A. in Economics from Bowdoin College, Magna Cum Laude, and her J.D. from the Georgetown University Law Center, Cum Laude.



Anne-Marie Mazza

Anne-Marie Mazza is Senior Director of the Committee on Science, Technology and Law at the U.S. National Academies of Sciences, Engineering, and Medicine where she has led numerous academy activities on 1) science in the courts (such as forensic sciences and eyewitness identification), 2) policies for academic research (such as intellectual property and dual use research) and 3) governance of emerging technologies (such as synthetic biology and human genome editing). Previously she worked at the White House Office of Science and Technology Policy where she led an effort on the government-university research partnership. Mazza earned a B.A., M.A., and Ph.D. from The George Washington University. She is a fellow of the American Association for the Advancement of Science.

Bridget Mary McCormack

Chief Justice Bridget Mary McCormack joined the Michigan Supreme Court in January 2013, and became the Chief Justice in January 2019. McCormack started her legal career in New York City. In 1996 she joined the Yale Law School faculty. She then joined the University of Michigan Law School faculty in 1998, where she taught criminal law, legal ethics and various clinics. She was named Associate Dean for Clinical Affairs in 2002. She was elected to the American Law Institute in 2013. The U.S. Department of Justice and the U.S. Department of Commerce's National Institute of Standards and Technology appointed her to the National Commission on Forensic Science in 2014. She serves as an editor on the ABA's preeminent journal, *Litigation*. In 2019, Governor Whitmer appointed her as Co-Chair of the Michigan Joint Task Force on Jail and Pretrial Incarceration. McCormack continues to teach at the University of Michigan each year as well as publish in professional journals and law media. McCormack earned her J.D. from New York University.

Jonathan McGrath

Jonathan McGrath serves as Senior Policy Analyst with the Department of Justice's National Institute of Justice (NIJ), Office of Investigative and Forensic Sciences in Washington, D.C.. He joined NIJ in 2015 and supported the National Commission on Forensic Science, the DOJ Needs Assessment of Forensic Laboratories, and manages the NIJ Forensic Technology Center of Excellence program and the NIJ Forensic Laboratory Needs Technology Working Group. Prior to joining NIJ in 2015, he was a forensic scientist with the U.S. Customs and Border Protection's Laboratories and Scientific Services Directorate in Houston, TX (2007–2011) and worked at CBP LSSD headquarters office in Washington, D.C. where he supported CBP's trade, forensic, and WMD operations programs (2011–2015). McGrath holds a Ph.D. in Analytical Chemistry from Georgia Tech, an M.S. in Forensic Science from the University of Illinois at Chicago, and a B.S. in Chemistry from the University of Dallas.



Peter Neufeld

Peter Neufeld, a nationally recognized civil-rights lawyer, has spent over 35 years trying cases on behalf of victims of police misconduct and wrongful convictions. These trials have led to numerous substantial verdicts and settlements and caused systemic criminal-justice reforms. Litigating civil-rights cases in trial and appellate courts nationwide, including the U.S. Supreme Court, he has pioneered key legal theories including the Fourth Circuit Fabricated Confession Theory. Neufeld, along with Neufeld Scheck & Brustin, LLP partner Barry Scheck, co-founded and co-directs the Innocence Project at the Benjamin N. Cardozo School of Law. The Innocence Project has been responsible in whole or in part for exonerating most of the over 300 men and women to be cleared through post-conviction DNA testing. He graduated from the University of Wisconsin and received his law degree from New York University School of Law.

Gene Peters

Gene Peters is Chief of Counterterrorism and Forensic Science Research at the FBI Laboratory. He leads a staff of research scientists to develop new and improved methods to analyze forensic evidence and to strengthen the scientific foundations of forensics. His research portfolio includes projects in anthropology, biology, chemistry, explosives analysis, genetics, geology, microbiology, statistics, and toxicology. Prior to joining the FBI Laboratory, he was a senior manager at the U.S. Nuclear Regulatory Commission, where he worked to ensure the safe management of nuclear materials and spent nuclear fuel, worked as a scientific consultant, and served in the U.S. Marine Corps.

Steven Pierson

Steve Pierson is Director of Science Policy for the American Statistical Association where he works to raise the profile of statistics in policymaking and advocates on the interests of statisticians. He was previously head of government relations at the American Physical Society and associate professor of physics at Worcester Polytechnic Institute. Pierson received his Ph.D. in physics from the University of Minnesota-Twin Cities.



Robert Ramotowski

Robert Ramotowski is the Forensic Science Program Manager at the National Institute of Standards and Technology (NIST). Prior to his position at NIST, he served nearly 25 years as a research chemist, document analyst, and Chief Forensic Chemist of the United States Secret Service Forensic Services Division's Laboratory in Washington, D.C.. He has published more than 30 articles on latent print and document chemistry in several peer reviewed journals and has given more than 100 lectures and workshops in the U.S. and in more than a dozen foreign countries. Ramotowski was one of the founding members of the International Fingerprint Research Group and since 2015 has served as a member of the group's steering committee. He earned his B.S. and M.S. in Chemistry from the George Washington University.

Deborah Runkle

Deborah Runkle is a Senior Program Associate in the AAAS Scientific Responsibility, Human Rights and Law Program, where she concentrates on issues at the intersection of science and law. She serves as Associate Staff Officer for the National Conference of Lawyers and Scientists, a joint standing committee of the AAAS and the Science & Technology Law Section of the American Bar Association. She also is on the Leadership Group for that Section. Her current interests include forensics and expert witnesses. She is manager and/or director for educational programs for state, federal, and administrative law court on neuroscience, the opioid crisis, and climate science. Prior to coming to AAAS, she was a science advisor at Morgan Associates Chartered, a boutique litigation law firm and before that at the National Institutes of Health, National Institute of Mental Health Intramural program on neuropsychopharmacology.

Peter Stout

Peter Stout is CEO and president of Houston Forensic Science Center (HFSC). He initially joined the agency in 2015 as its chief operating officer and vice president. He has more than 20 years of experience in forensic science and forensic toxicology. Prior to joining HFSC, Stout worked as a senior research forensic scientist and director of operations in the Center for Forensic Sciences at RTI International. Stout also has served as president of the Society of Forensic Toxicologists (SOFT). He represented SOFT in the Consortium of Forensic Science Organizations and has participated in national policy debates on the future of forensic sciences in the United States. He is currently president of the Texas Association of Crime Lab Directors. Stout has a doctorate in toxicology from the University of Colorado Health Sciences Center in Denver. Stout also served as an officer in the U.S. Navy Medical Service Corps.

Melissa Taylor

Melissa Taylor is a senior forensic science research manager within the Special Programs Office of the U.S. Department of Commerce's National Institute of Standards and Technology. Her work within the Forensic Science Program focuses primarily on impression and pattern evidence-related research, process mapping, and integrating human-factors principles into forensic sciences. Publications include *The Biological Evidence Preservation Handbook: Best Practices for Evidence Handlers*, *Latent Interoperability Transmission Specification*, and *Latent Print Examination and Human Factors: Improving the Practice through a Systems Approach*. Taylor has 15 years in the forensic science industry including positions with Booz Allen Hamilton, Lockheed Martin, and as a consultant to the National Institute of Justice. Taylor is the study director for the Expert Working Group Series on Human Factors in Forensic Sciences and is an active member of the American Society for Quality, INTERPOL AFIS Expert Working Group, and International Association of Identification. She previously served as a member of the U.S. Department of Justice National Commission on Forensic Science Human Factors Subcommittee and as co-chair of the White House Subcommittee on Forensic Sciences Latent Print AFIS Interoperability Task Force.

Robert Thompson

Robert M. Thompson is a Senior Forensic Science Research Manager with the Special Programs Office-Forensic Sciences at the National Institute for Standards and Technology (NIST) for 11 years. He has almost 40 years of experience as a Forensic Scientist and Criminalist. He is certified in Criminalistics by the American Board of Criminalistics (ABC) and is a past Chairman and current member of the Association of Firearm and Toolmark Examiners (AFTE) Certification Program Committee. He is a Distinguished Member of AFTE and a Fellow of the American Academy of Forensic Sciences. Prior to joining NIST, Thompson was a Senior Firearms and Toolmark Examiner for the Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF) Forensic Science Laboratories, and a Forensic Scientist and Criminalist in crime laboratories with the Washoe County Sheriff's Department (Reno, Nevada), the Oregon State Police, and the Genelex Corporation. Thompson has a Master of Forensic Science degree from the George Washington University in Washington, D.C. and a Bachelor of Science degree in Forensic Science with a Chemistry minor from the California State University in Sacramento, California.



Linzi Wilson-Wilde

Linzi Wilson-Wilde, OAM, is the Director of the National Institute of Forensic Science at the Australia New Zealand Policing Advisory Agency. She obtained her Ph.D. at the University of Canberra in species identification of Diprotodontia for wildlife crime investigations. Wilson-Wilde has over 20 years' experience in forensic science working for Victoria Police, New South Wales Police and the Australian Federal Police. During this time, Wilson-Wilde has worked on legislative reform, policy development, the investigation of high-profile murder cases, cold case reviews and the highly publicized mass DNA screen in the town of Wee Waa, New South Wales. Wilson-Wilde coordinated the DNA analysis of all samples involved in the disaster victim identification and criminal investigation of the Bali Bombing in October 2002. Recently she has been involved in the development of forensic-specific Australian and international Standards and is the current Chair of ISO TC272–Forensic Sciences. She is a member of the International Forensic Strategic Alliance and represents them as Vice Chair on the International Criminal Court Office of the Prosecutor Scientific Advisory Board. Wilson-Wilde has received a Medal in the Order of Australia for her work and was inducted into the Victorian Honour Roll of Women in 2014.

Jessica Wyndham

Jessica M. Wyndham is Director of the Scientific Responsibility, Human Rights and Law Program. She also serves as coordinator of the AAAS Science and Human Rights Coalition, a network that engages science, engineering and health organizations as catalysts to connect STEM and human rights for the benefit of all. Her areas of expertise and research interest include the intersections of science, technology, human rights and ethics, the social responsibilities of scientists and engineers, and the role of professional scientific, engineering and health societies in the promotion and protection of human rights. A human rights lawyer by training, Jessica holds a B.A. (Hons.)/L.L.B (Hons.) (J.D. equivalent) from the Australian National University and an L.L.M. from the University of New South Wales (Sydney, Australia).

