We hope you enjoy your meeting but if you have any queries whilst at the Royal Society at Chicheley Hall, please feel free to come to our office, located at the far end of the Atrium.

**IMPORTANT INFORMATION FOR YOUR MEETING**

- Lunches throughout this meeting will be served in the Main House.
- **Toilets are situated just outside the atrium, through the green doors on the right.** There is also a disabled toilet at the far end of the Atrium.
- All rooms here have Wi-Fi. Current user name: *venueswifi*  Password: *venues123*
- On occasion we may have copies of Royal Society journals in the atrium or sitting room. If there are relevant journals you wish to keep, please do so with our compliments.
- Please be aware that the introductions and summary presentations will be recorded and, subject to organiser approval, will be publicly available to download from the meeting webpage after the event. Please speak to the Royal Society staff whilst you are here if you wish to withhold any material from public release.
- There will be a taxi booking form on the registration desk throughout this meeting. Please add your details to the form if you would like us to book a taxi for you. We will endeavour to group together those travelling to the same destination, with a view to reducing your travel costs. A list of booked taxis will be displayed on the desk before the close of the meeting for you to check.
- As the Royal Society runs a policy of recycling wherever possible, please return your name badge to the registration desk at the close of the meeting.
- **Smoking is NOT PERMITTED anywhere on site and the smoke alarms are extremely sensitive.**
- The fire alarms are tested between 8 am and 9 am every Friday; if you hear the fire alarm at any other time, please make your way calmly to the courtyard and await further instruction.

Throughout the meeting I, or a member of the Scientific Programmes team, will be available to answer any questions – please don’t hesitate to ask.

We hope you enjoy your time with us, and the meeting proves productive and enjoyable.

Yours sincerely

Catriona Ross and the Scientific Programmes team
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<thead>
<tr>
<th>Time</th>
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<tr>
<td>09.00</td>
<td>Opening remarks and introduction to the format of the day</td>
<td>PART 2</td>
<td>Scientific research gap profiling - introduction to task and scene setting</td>
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<td>09.30</td>
<td>Introduction to strategic conversations – choosing the scientific evidence to address</td>
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<td>10.30</td>
<td>Coffee</td>
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<td>Research gap analysis – 5 groups</td>
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<td>11.00</td>
<td>Identification of the current scientific landscape and vision of forensic science</td>
<td>15.00</td>
<td>Tea</td>
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<td>11.40</td>
<td>Participant discussion – 5 groups</td>
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<td>12.10</td>
<td>Feedback and discussion</td>
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<td>Concluding remarks</td>
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<td>LUNCH and evidence types prioritisation</td>
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<tr>
<td>9.00</td>
<td>Opening remarks and recap of day 1</td>
<td>13.30</td>
<td>Open discussion</td>
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<tr>
<td>9.30</td>
<td>Reassessment of scientific evidence types and their value</td>
<td>14.30</td>
<td>Scientific road map for research in a legal investigative context and final comments</td>
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<tr>
<td>10.30</td>
<td>Coffee</td>
<td>15.00</td>
<td>Tea</td>
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<tr>
<td>11.00</td>
<td>Assessing scientific value in a legal and investigative context – 5 groups</td>
<td>15.30</td>
<td>FINISH</td>
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<tr>
<td>12.00</td>
<td>Feedback and discussion</td>
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Many thanks to Duncan Ross and Doug Morwood from Business Models Inc who have assisted Professor Sue Black OBE FRSE and Professor Niamh Nic Daeid in the facilitation of this Royal Society satellite meeting “The paradigm shift for UK forensic science – planning for the future”.

Wednesday 4 February 2015

9.00 Opening remarks and introduction to the format of the day
Professor Niamh Nic Daeid, University of Dundee, UK
Professor Sue Black OBE FRSE, University of Dundee, UK
Mr Doug Morwood, Business Models Inc, UK
Mr Duncan Ross, Business Models Inc, UK

PART 1

9.30 Introduction to strategic conversation - choosing the scientific evidence to address
Professor Niamh Nic Daeid, University of Dundee, UK
Professor Sue Black OBE FRSE, University of Dundee, UK
Mr Doug Morwood, Business Models Inc, UK
Mr Duncan Ross, Business Models Inc, UK

10.30 Coffee

11.00 Identification of the current scientific landscape and vision of forensic science
All participants

11.40 Participant discussion
Five groups led by:
The Rt Hon Lord Hughes of Ombersley, Supreme Court, UK
The Rt Hon Lord Justice David Kitchin, Appeal Court, UK
The Rt Hon Lord Eassie, College of Justice, Scotland, UK
The Rt Hon Lord Carloway, Lord Justice Clerk, Scotland, UK
The Hon Judge Wall QC, UK

12.10 Feedback and discussion
Presentations from:
Dr Max Houck, Department of Forensic Sciences, USA
Dr Jan De Kinder, National Institute of Criminalistics and Criminology and ENFSI
Ms Karen Squibb-Williams, Acorn Chambers, UK
Professor Carol Henderson, Stetson University, USA
Professor Lorna Dawson, The Hutton Institute, UK

12.30 LUNCH and evidence types prioritisation discussion
PART 2

13.30 Scientific research gap analysis – introduction to task and scene setting
Professor Niamh Nic Daeid, University of Dundee, UK
Professor Sue Black OBE FRSE, University of Dundee, UK

14.00 Scientific research analysis
Five groups led by:
The Rt Hon Lord Hughes of Ombersley, Supreme Court, UK
The Rt Hon Lord Justice David Kitchin, Appeal Court, UK
The Rt Hon Lord Eassie, College of Justice, Scotland, UK
The Rt Hon Lord Carloway, Lord Justice Clerk, Scotland, UK
The Hon Judge Wall QC, UK

15.00 Tea

15.30 Discussion and feedback
Presentations from:
Dr Max Houck, Department of Forensic Sciences, USA
Dr Jan De Kinder, National Institute of Criminalistics and Criminology and ENFSI
Ms Karen Squibb-Williams, Acorn Chambers, UK
Professor Carol Henderson, Stetson University, USA
Professor Lorna Dawson, The Hutton Institute, UK

16.45 Concluding remarks
Professor Niamh Nic Daeid, University of Dundee, UK
Professor Sue Black OBE FRSE, University of Dundee, UK
Mr Doug Morwood, Business Models Inc, UK
Mr Duncan Ross, Business Models Inc, UK

17.00 Close
Thursday 5 February 2015

9.00 Opening remarks and recap of day 1
Professor Niamh Nic Daeid, University of Dundee, UK
Professor Sue Black OBE FRSE, University of Dundee, UK
Mr Doug Morwood, Business Models Inc, UK
Mr Duncan Ross, Business Models Inc, UK

9.30 Reassessment of scientific evidence types and their value
All participants

10.30 Coffee

11.00 An introduction to assessing scientific value in a legal and investigative context
Mr Doug Morwood, Business Models Inc, UK
Mr Duncan Ross, Business Models Inc, UK

11.15 Assessing scientific value in a legal and investigative context
Five groups led by:
The Rt Hon Lord Hughes of Omersley, Supreme Court, UK
The Rt Hon Lord Justice David Kitchin, Appeal Court, UK
The Rt Hon Lord Eassie, College of Justice, Scotland, UK
The Rt Hon Lord Carloway, Lord Justice Clerk, Scotland, UK
The Hon Judge Wall QC, UK

12.00 Feedback and discussion
Presentations from:
Dr Gillian Tully, Forensic Science Regulator, UK
Mr Marcel van der Steen, Netherlands Forensic Institute and ENFSI R&D Committee
Professor Alastair Ross AM, National Institute for Forensic Science (NIFS), Australia
Mr Stan Brown, Forensic Science Northern Ireland, UK
Christine Funk, Department of Forensic Sciences, General Council, USA

12.30 Lunch

13.30 Open discussion

14.30 Scientific road map for research in a legal and investigative context – final comments
Professor Niamh Nic Daeid, University of Dundee, UK
Professor Sue Black OBE FRSE, University of Dundee, UK

15.00 Tea

15.30 Finish
Groups

Group 1: The Rt Hon Lord Hughes of Ombersley
   The Rt Hon Lord Advocate Frank Mulholland QC
   Dr Max Houck
   Professor Christophe Champod
   Dr Gillian Tully
   Dr Sheila Willis
   Dr Tristram Riley-Smith
   Dr Eadaoin O’Brien

Group 2: The Rt Hon Lord Justice Kitchin
   The Hon Justice Ian Binnie CC QC
   Mr Marcel van der Steen
   Dr Jan de Kinder
   Dr John Butler
   Dr Claire Craig CBE
   Dr Lucy Easthope

Group 3: The Rt Hon Lord Eassie
   Ms Karen Squibb-Williams
   Ms Sue Ballou
   Mr Keith Inman
   Professor Alastair Ross AM
   Dr Matthew Beardah
   Dr Kelsey Cook
   Mr Gordon Richmond

Group 4: The Rt Hon Lord Carloway
   Professor Carol Henderson
   Dr Justice Tettey
   Professor Bernard Silverman FRS
   Mr Stan Brown
   Dr Mark Weiss
   Ms Kathryn Sloper

Group 5: His Hon Judge Wall QC
   Ms Christine Funk
   Dr Dan Martell
   Professor Lorna Dawson
   Professor Anil Jain
   Professor Arian van Asten
   Mr Tom Nelson OBE
   Mr Robin van Mulders
Organisers’ biographies

Professor Sue Black OBE FRSE, University of Dundee, UK
Professor Sue Black is Director of the Centre for Anatomy and Human Identification at the University of Dundee and Deputy Principal. She is a forensic anthropologist and an anatomist, founder and past President of the British Association for Human Identification, and advisor to the Home Office and Interpol on issues pertaining to forensic anthropology in disaster victim identification (DVI). She is a fellow of the Royal Society of Edinburgh, a Fellow of the Royal Anthropological Institute, a Fellow of the Royal College of Physicians (Edinburgh), a Fellow of the Society of Biology and a certified forensic anthropologist. She was awarded an OBE in 2001 for her services to forensic anthropology in Kosovo, the Lucy Mair medal for humanitarian services and a police commendation for DVI training in 2008. She was awarded both the Brian Cox and the Stephen Fry awards for public engagement with research and in 2013 her Centre was awarded the Queen’s Anniversary Prize for Higher and Further Education.

Niamh Nic Daeid, University of Dundee, UK
Niamh holds a Bachelor of Science degree in Chemistry and Mathematics from the Dublin Institute of Technology and Trinity College Dublin and received her doctorate in bio inorganic chemistry from the Royal College of Surgeons in Ireland. She also holds a Bachelor of Arts in Psychology from the Open University. Niamh has been involved in the development of policy and practice in forensic science, particularly in fire investigation and leads teams developing protocols for professional practice in fire investigation for both the UK and Europe. She was on council of the Chartered Society for Forensic Science (the UK professional body) for 9 years. She is the current chair of the European fire and explosion investigation working group of ENFSI (the European Network of Forensic Science Institutes) and chairs the coordinating committee for the INTERPOL forensic science managers symposium. She also serves as vice chair of the scientific advisory board of the International Criminal Court. She was also editor in chief of Science and Justice for 6 years. She has published over 100 peer reviewed research papers in the forensic sciences, delivered over 150 conference presentations at National and International conferences and holds a grant portfolio in excess of 1.5 million pounds. Her research team are International and multi disciplinary. They undertake operationally relevant research work related to fire investigation, drug chemistry, fingerprint enhancement, ballistics, tool marks and ink analysis and has received awards for her research and public engagement. She undertakes independent casework in fire scene investigation, terrorist cases and the investigation of clandestine drugs.

Facilitators’ biographies

Mr Doug Morwood, Business Models Inc, UK
Doug Morwood is Strategy Designer for Business Model Inc and supports national and international organisations with strategy, innovation, and designing and implementing new business models. Doug has a particular interest in human dynamics, and aligning the release of value on individual, organizational and ecosystem levels for both social and economic impact. Doug has a profound ability to reduce complexity to simple and effective action, leaving clients and audiences with understanding, clarity, and focus on their critical next steps. Before Business Models Inc.

Mr Duncan Ross, Business Models Inc, UK
Duncan Ross is Strategy Designer for Business Model Inc and has extensive experience with Digital Technologies and in Strategy Development for startups across a broad range of industries. Using hands-on commercial experience in starting and growing businesses in Events and in the Third Sector, his approach to innovation is also applied to large organisations within the Public Sector. Having taught at Universities across Scotland, Duncan brings his experience in training and education, events, and as an entrepreneur, to help
clients see the bigger picture, share common language with their teams, make clear decisions, and employ strategies that are simple and effective.

**Supported by:**

**Dr Lucy Easthope, University of Lincoln, UK**
Lucy Easthope is a Senior Lecturer in Forensic Science at the University of Lincoln, Teaching Fellow in Mass Fatalities and Pandemics at the Centre for Death and Society, University of Bath and a guest lecturer on emergency management programmes at the Universities of Leicester, Wolverhampton, Dublin City and Coventry. She is also an Affiliate Researcher at the Joint Centre for Disaster Research, Massey University, New Zealand. She is the course lead for Mass Fatalities Planning at the Cabinet Office Emergency Planning College. Her wider training portfolio includes the legal aspects of emergencies; identifying lessons post incident, interoperability, and community resilience in practice. She is a member of the Cabinet Office National Risk Assessment Behavioural Science Expert Group and is also the technical author of new Home Office mass fatalities material.

**Mr Stephen Hay, PilotLite Ventures, UK**
Stephen Hay is a management consultant focusing on healthcare, sustainability and finance. Stephen was with Goldman Sachs for 20 years where his roles included Director of Equity Research in Europe and Japan, heading a number of equity sales teams and leading various technology projects.

**Dr Eadaoin O’Brien, University of Essex, UK**
Dr Eadaoin O’Brien is director of human rights postgraduate taught programmes and lecturer in human rights at the University of Essex School of Law and Human Rights Centre. She was awarded a scholarship from the Irish Research Council for the Humanities and Social Sciences to fund her doctoral research on the exhumation of mass graves and use of forensic evidence by international criminal tribunals, at the Irish Centre for Human Rights (National University of Ireland Galway) from 2008-2010 and was the recipient of a doctoral fellowship at the ICHR from 2007-2008. Dr O’Brien was awarded a graduate fellowship at the University of London Human Rights Consortium from 2011-2012, where she is currently an associate fellow.
Eadaoin received a BA in Anthropology and Sociology with first class honours from the National University of Ireland Maynooth, where she was co-recipient of the William Wilde Prize in Anthropology in 2004, a LLM and PhD in international human rights law from the ICHR and a MSc in Human Identification from the Centre for Anatomy and Human Identification, University of Dundee. Her human rights and criminal justice field experience includes work with the West-Bank based NGO Al Haq, the defence team for Momcilo Perisic at the International Criminal Tribunal for the Former Yugoslavia, with Chernobyl Children International (based in Ireland and Belarus), field research in Belarus, Rwanda, Tanzania and Spain and since August 2013 Eadaoin has worked with the UK police in the East Anglia region to deliver guest lectures on the disaster victim identification foundation course.
Eadaoin’s research is inter and multi-disciplinary and she has published in both anthropological and legal publications on a range of issues relating to forensic science, human rights and criminal justice, transitional justice and on post-disaster memorialisation and has delivered papers and presentations at over 30 national and international conferences.

**Mr Gordon Richmond, University of Strathclyde, UK**
Gordon Richmond is a second year PhD student at Strathclyde University Law School. His current research project explores the ways in which law interacts with other disciplines - through the use of expert witnesses - in order to serve the administration of justice. His work focuses on DNA-profiling and the Case Assessment and Interpretation process. He is also interested in exploring the different ways in which sociological approaches to forensic science may aid our understanding of the process of knowledge creation, and thereby add value to the production of evidence.
Kathryn Sloper, Liverpool John Moores University, UK
Kathryn Sloper, an undergraduate studying forensic anthropology and is frustrated because she knows that her science ‘is broken’ but without knowing how to fix it.

Mr Robin van Mulders, University of Dundee, UK
Robin Van Mulders, is a third year law student at the University of Dundee, currently studying an LLB Honours in Scots and English Law. He has a particular interest in forensic medicine and the development of criminal law in both jurisdictions.

Mr Sandy Westwater, PilotLite Ventures, UK
Sandy Westwater is co-founder of Pilot Lite Ventures, the world’s leading specialist venture management firm and has over 20 years’ experience in strategy, investment, venturing and business development. Sandy has worked in innovation management and business development in both senior consulting and corporate roles

Delegate biographies

Ms Susan Ballou, National Institute of Standards and Technology (NIST), USA
Susan Ballou is the Program Manager for the Forensic Sciences Program within the Office of Special Programs, at the National Institute of Standards and Technology (NIST), Gaithersburg, MD. Prior to her current position, she served as the lead serologist for the Montgomery County Police Department (MCPD) Crime Laboratory. She holds a Master of Science degree in Biotechnology from The Johns Hopkins University and an Undergraduate degree, Forensic Science, within the Criminal Justice Program from the University of New Haven, West Haven, Connecticut. Qualified as an Expert in 179 court cases she has assisted with crime scene investigations and has taught this information at The Judge Advocate General’s Legal School and Center in Charlottesville, Virginia. Ms. Ballou has held the position of ASTM E30 chair receiving the honor of the Forensic Science Award for the establishment of a new subcommittee. She is a Fellow of the American Academy of Forensic Sciences (AAFS), a recipient of the AAFS Criminalistics Section Mary E. Cowan Outstanding Service Award and a trustee of the Forensic Science Foundation. She has given numerous presentations on a wide variety of forensic science topics and writes articles for the International Association of Identification newsletter.

Dr Matthew Beardah, Defence Science and Technology Laboratory, UK
Matthew Beardah is the Group Principal (Capability) for the Forensic Explosives Laboratory, which is part of the UK Defence Science and Technology Laboratory (Dstl). His main responsibilities include the strategic development and leadership of FEL’s science and technology infrastructure and quality management. He has conducted, managed and delivered research work relating to the development and validation of methods for explosives analysis (trace and bulk), forensic sampling procedures and the assessment of explosives threats in relation to UK capability development.

The Hon Ian Binnie CC QC, Canada
The Hon Ian Binnie Q.C. is counsel to Lenczner Slaght. He served as a Justice of the Supreme Court of Canada for almost 14 years. When he retired in 2011, he was described by the Globe and Mail as “arguably the country’s premier judge”. He authored over 170 opinions on the country’s top court, including leading cases in many aspects of commercial, constitutional, criminal and administrative law. Mr. Binnie was educated at McGill, Cambridge (he was called to the English Bar) and the University of Toronto. He was called to the Ontario bar in 1967 and argued numerous cases in most of the common law provinces and the Supreme Court of Canada. He appeared before the International Court of Justice and international tribunals in both governmental and private law disputes. Mr. Binnie was appointed Associate Deputy Minister of Justice for Canada in 1982. In 1986 he returned to private practice as a senior litigation partner at McCarthy Tétrault until his appointment directly to the Supreme Court of Canada in January 1998.
Mr Stan Brown, Forensic Science Northern Ireland, UK
Stan Brown is Chief Executive of Forensic Science Northern Ireland (FSNI), an Agency of the Northern Ireland Department of Justice. From 2002 to 2006, he was Business Development Director and later Acting Chief Executive of Ordnance Survey Northern Ireland. His prior career was in contamination control with industrial chemistry multinationals.

Dr John Butler, National Institute of Standards and Technology (NIST), USA
John M. Butler is NIST Fellow and Special Assistant to the Director for Forensic Science at the National Institute of Standards and Technology. He is author of the internationally acclaimed textbook Forensic DNA Typing as well as more than 140 scientific articles and invited book chapters. ScienceWatch.com named him as number one in the world as a high-impact author (number of citations per paper published) in legal medicine and forensic science for the decade of 2001-2011. Dr. Butler has a B.S. in chemistry from Brigham Young University and a Ph.D. in analytical chemistry from the University of Virginia.

The Rt Hon Lord Carloway, Lord Justice Clerk, Scotland, UK
Lord Carloway was appointed as Lord Justice Clerk in August 2012 having been appointed to the Second Division of the Inner House in August 2008. He has been a Judge since February 2000. He is a graduate of Edinburgh University (LLB Hons) and was admitted to the Faculty of Advocates in 1977. He served as an Advocate Depute from 1986 to 1989 and was appointed Queen’s Council in 1990. From 1994 until his appointment as a Judge he was Treasurer of the Faculty of Advocates. He is an assistant editor of “Green’s Litigation Styles” and contributed the chapters on “Court of Session Practice” to the Stair Memorial Encyclopaedia and “Expenses” in Court of Session Practice. Lord Carloway was the joint editor of “Parliament House Portraits: the Art Collection of the Faculty of Advocates” and is a former president of the Scottish Arts Club. More recently, he led a review of the law and practice in light of the United Kingdom Supreme Court’s decision in the case of Cadder v HM Advocate. His report into criminal law and practice was published in November 2011.

Professor Christophe Champod, University of Lausanne, Switzerland
Christophe Champod received his M.Sc. and Ph.D. (summa cum laude) both in Forensic Science, from the University of Lausanne, in 1990 and 1995 respectively. He remained in academia until holding the position of assistant professor in forensic science. From 1999 to 2003, he led the Interpretation Research Group of the Forensic Science Service (UK), before taking a full professorship position at the School of Criminal Sciences (ESC) of the University of Lausanne. He is in charge of education and research on identification methods and maintains an activity as an expert witness in these areas. His research is devoted to the statistical evaluation of forensic identification techniques. The value of fingerprint evidence is at the core of his interests.

Dr Kelsey Cook, National Science Foundation, USA
Kelsey Cook is the Program Manager of the Chemistry Division of the US National Science Foundation.

Dr Claire Craig CBE, Government Office for Science, UK
Claire Craig leads the Government Office for Science, supporting the Chief Scientific Advisor in providing science and engineering advice to the Prime Minister and Cabinet. She was awarded a CBE for developing Foresight, the UK’s science-based futures programme which has tackled issues from flood risk to human enhancement. She helped launch Bristol’s hands-on science centre, and has worked on strategy and decision-making at McKinsey & Co and in the Prime Minister’s Delivery Unit.
Professor Lorna Dawson, The Hutton Institute, UK
Professor Lorna Dawson is head of the Soil Forensics Group at the James Hutton Institute, and an honorary professor in Forensic Science at Robert Gordon University. She is also currently seconded to manage and advise on the Environmental Change programme within the Scottish Government’s strategic research. She has published over 70 refereed journal papers, books and book chapters and leads and contributes to research in soil forensics nationally and internationally. She regularly works with police practitioners in the UK, Europe and Australia as a soil expert in search and in the presentation of evidence in court.

Dr Jan de Kinder, National Institute of Criminalistics and Criminology and ENFSI, Netherlands
After obtaining his PhD in Science in 1992, Jan de Kinder worked as a post-doc researcher in the field of solid state physics and spectroscopy. In 1996, he was tasked to develop the area of crime scene ballistics / firearms identification at the National Institute of Forensic Science and Criminology. In 2001, he became the head of the Ballistics Section.
Since July 2006, Jan De Kinder is the Director-General of the National Institute of Forensic Science and Criminology, a Belgian Federal Scientific Institute.
During his career he has made numerous contributions to scientific journals and serves on a number of scientific committees of international meetings and panels. He was the chairman of the European Network of Forensic Science Institutes (ENFSI) in the period of 2009-2011, as well as of the International Forensic Strategic Alliance (IFSA) in the periods 2007-2008, and 2009-2010. In May 2014, he was re-elected as the ENFSI Chairman-designate and will be taking on the chairmanship of this organization in mid-2015.

The Rt Hon Lord Eassie, College of Justice, UK
Lord Eassie was appointed a Judge of the Supreme Courts in 1997 and was appointed to the Inner House in 2006. He is a graduate of the Universities of St Andrews (MA) and Edinburgh (LLB) and was admitted to the Faculty of Advocates in 1972.
From 1979 to 1982 Lord Eassie was an official of the Court of Justice of the European Communities, Luxembourg. He was appointed Queen’s Counsel in 1986 and served as an Advocate Depute from 1986 to 1990. Between 2002 and 2006 he was Chairman of the Scottish Law Commission. He was appointed to the Inner House in October 2006

Dr Ian Evett, Principal Forensic Services Ltd, UK
Originally a physics graduate, Ian Evett began his career in the Forensic Science Service (FSS) as a document examiner. He soon became interested in the potential for using measurements to assign evidential value to handwriting comparisons and returned to university to study statistics. He has since researched many different areas of forensic science, including fingerprints and DNA profiling. His overriding interest, however, is the logic of evaluating scientific evidence in criminal proceedings. His publications include over 100 papers and, with Professor Bruce Weir, a book on DNA profiling statistics. He has a DSc from the University of Strathclyde and an honorary DSc from the University of Lausanne, both in recognition of his contributions to the science of evidence interpretation. He is a Chartered Statistician and an Honorary Life Fellow of the Chartered Society of Forensic Sciences. He remained in the FSS until its closure and is now an associate of Principal Forensic Services Ltd.

Christine Funk, Department of Forensic Sciences, General Counsel, USA
Christine Funk is General Counsel for the Department of Forensic Sciences in Washington, D.C. Formerly she was a member of the Trial Team in the Office of the Public Defender, State of Minnesota. Ms. Funk began handling forensic science cases in 1995. Not being a scientist by training, she struggled to understand the forensic science evidence in that and subsequent cases. Eventually, she managed to translate the scientific language into something she could understand. Since then, she has worked towards making scientific evidence understandable to other lawyers. Ms. Funk served as an advisory member of the Education, Ethics, and Terminology Interagency Working Group under the National Science and Technology Council.
Subcommittee on Forensic Science. While in Minnesota she also served as a member of the MN Forensic Laboratory Advisory Board and on the Board of the Minnesota Innocence Project.

Professor Carol Henderson, Stetson University, USA
Carol Henderson is the founding director of the award-winning National Clearinghouse for Science, Carol Henderson is the founding director of the award-winning National Clearinghouse for Science, Technology and the Law and is a Professor of Law at Stetson University College of Law.
Recognized as an international authority on forensic science and law, Professor Henderson has presented more than 275 lectures and workshops to thousands of forensic scientists, attorneys, judges, law enforcement and military personnel worldwide on the topics of scientific evidence, courtroom testimony, and professional responsibility.
Professor Henderson has more than 60 publications on scientific evidence, law and ethics. She edited the *Encyclopedia of Forensic and Legal Medicine* (2005), which received the Minty Prize from the Medico-Legal Society, and co-edited *The Future of Evidence: How Science & Technology Will Change the Practice of Law* published by the American Bar Association. Her most recent book, *Scientific Evidence Review: Admissibility and Use of Expert Evidence in the Courtroom, Monograph No.9.*, was published by the ABA in 2013.
Professor Henderson served as the president of the American Academy of Forensic Sciences (2008-2009) and as chair of the Scientific Evidence Committee of the ABA’s Science and Technology Law Section, where she presently co-chairs the Life & Physical Sciences Division.
She has appeared in the international and national media as a legal analyst and testified before Congress regarding the National Academy of Sciences report on Forensic Science.
Professor Henderson received her JD from George Washington University. She began her legal career as an Assistant United States Attorney in Washington, D.C..

Dr Max Houck, Department of Forensic Sciences, USA
Dr Max M. Houck is an internationally-recognized forensic expert who has worked for the FBI Laboratory, at a medical examiner's office, in the private sector, and in academia. His casework includes the Branch Davidian Investigation, the September 11 attacks on the Pentagon, the D.B. Cooper case, and the West Memphis Three case, among hundreds of others. Dr Houck has published widely in books and journals. He is a founding Editor of the journal *Forensic Science Policy and Management* and has also authored numerous textbooks with Dr. Jay Siegel, *Fundamentals of Forensic Science*. Dr Houck is a Fellow of the Royal Society of Chemistry. Dr. Houck lives and works in Washington, DC as the Director of the DC Department of Forensic Sciences (www.dfs.dc.gov).

The Rt Hon Lord Hughes of Ombersley, Supreme Court, UK
His principal chambers were in Birmingham. His practice was mixed common law, crime and family, covering most aspects of litigation other than particular areas such as tax, patents or shipping with the emphasis latterly on crime.
As a first instance judge his work was divided between criminal and family trials, together with some Administrative Court cases; these were heard both in London and (more) on Circuit anywhere in the country. He also sat, as most High Court Judges do, in the Court of Appeal, Criminal Division.
In the Court of Appeal his work was mixed criminal and civil, latterly with the emphasis on crime, when he was responsible, under the Lord Chief Justice, for the management of the Criminal Division of the Court of Appeal. He lectured regularly at the Judicial College.

Professor Keith Inman, California State East Bay, USA
Keith Inman holds a B.S. and M.Crim., both from the University of California at Berkeley. He has been a Fellow of the American Board of Criminalistics, and is currently a member of the California Association of Criminalists.
In his professional career he has been employed as a criminalist by both public and private forensic science laboratories, and continues to consult with attorneys in civil and criminal litigation. He is currently an Associate
Professor in the Criminal Justice Administration department at California State University, East Bay. He has co-authored *An Introduction to DNA Forensic Analysis* and *Principles and Practice of Criminalistics: The Profession of Forensic Science*, as well as numerous other scholarly publications. His primary expertise is in DNA, crime scene examination, and crime scene reconstruction. His research interests include the interpretation of complex DNA samples, as well as the philosophical and epistemological foundations of forensic science processes.

**Professor Anil Jain, Michigan State University, USA**


**The Rt Hon Lord Justice David Kitchin, Appeal Court, UK**

The Rt Hon Sir David Kitchin has been a Lord Justice of Appeal since October 2011 and is the Judge in charge of the Intellectual Property List. Prior to his appointment to the Court of Appeal, he was a Judge of the High Court from 2005-2011; Senior Judge of the Patents Court from 2007-2011; Chancery Supervising Judge for the Wales, Western and Midland Circuits from 2009-2011; and a member of the Enlarged Board of Appeal of the European Patent Office from 2009-2011. He was educated at Cambridge University and is an Honorary Fellow of Fitzwilliam College. He was appointed a QC in 1994; elected a Bencher of Gray's Inn in 2003; Chairman of the Veterinary Code of Practice Committee of the National Office of Animal Health from 1995-2001; and Chairman of the Intellectual Property Bar Association and Member of the Bar Council from 2004-2005.

**Dr Daniel Martell, American Academy of Forensic Sciences, USA**

Dr Dan Martell is the President of the American Academy of Forensic Sciences. He is a forensic neuropsychologist with over 25 years of experience in both criminal and civil litigation, and has consulted on hundreds of forensic cases in over 30 states and internationally, specializing in issues of mental disorder, brain damage, neuroscience, and criminal behaviour. He is Board-Certified in Forensic Psychology by the American Board of Professional Psychology; a Fellow of the American Academy of Forensic Psychology; a Fellow of the National Academy of Neuropsychology; and a Fellow of the American Academy of Forensic Sciences. He is also a consultant for the United Nations International Criminal Court in The Hague. He serves on the faculty at the Semel Institute for Neuroscience and Human Behavior at the David Geffen School of Medicine at UCLA, and has authored over 100 scientific journal articles and research presentations at national conferences.
The Rt Hon Lord Advocate Frank Mulholland QC, Lord Advocate, UK
Mr Mulholland graduated from Aberdeen and Edinburgh Universities achieving LLB [Hons] in 1981 and MBA in 1997. He joined the Prosecution Service as a Procurator Fiscal Depute in Greenock in 1984. He went on to work in the Glasgow and Edinburgh offices, before taking up posts in the Crown Office. In 1997 he became the first Advocate Depute to be appointed from the Procurator Fiscal Service. In 2000 he returned to the Procurator Fiscal Service as Assistant Procurator Fiscal at Edinburgh, and was appointed Procurator Fiscal at Edinburgh in 2001. He returned to the ranks of Crown Counsel in 2003, as the first serving member of the Procurator Fiscal Service to be appointed Senior Advocate Depute. He was appointed Area Procurator Fiscal for Lothian and Borders in January 2006 and in the same year qualified as an Advocacy Trainer at the National Institute of Trial Advocacy in Boston, USA. He was appointed head of Advocacy training in the same year. In 2007 he was appointed Solicitor General for Scotland and in 2011 he was appointed Lord Advocate.

Mr Thomas Nelson OBE, Scottish Police Authority, UK
Tom Nelson is director of Forensic Services for the Scottish Police Authority and has been heavily involved in shaping the new forensic service during its development.
He previously held the post of head of Lothian Borders Police Forensic Science Support Department, and prior to that worked at Forensic Science Northern Ireland. He is the current president of the Chartered Society for Forensic Science.

Dr Tristram Riley-Smith, Department of Politics & International Studies, University of Cambridge, UK
Tristram Riley-Smith is the External Champion to the Research Councils UK Partnership for Conflict, Crime and Security Research (PaCCS: formerly known as the Global Uncertainties Programme). He is also the Director of Research at the University of Cambridge Department of Politics and International Studies. He acts as a high-profile ambassador for the partnership, seeking to enhance opportunities for impact and knowledge exchange by connecting researchers to policy makers, government, industry and civil society.

Professor Alastair Ross AM, ANZPAA National Institute of Forensic Science, Australia
Alastair is currently the Director of the ANZPAA National Institute of Forensic Science (NIFS). He also held this position as the inaugural Director from 1992 to 2003. From 2003-2008 Alastair was Director of the Victoria Police Forensic Services Department, a full service forensic facility with over 300 staff.
Alastair holds a Graduate Diploma in Business Administration and a Master of Applied Science (Research) from the University of South Australia.
Alastair received the Adelaide Medal from the International Association of Forensic Sciences for international contributions to forensic science in 2002 and is a Member of the Order of Australia (AM).

Professor Claude Roux, Centre for Forensic Science, University of Technology, Sydney / Australian & New Zealand Forensic Science Society, Australia
Claude Roux is Professor of Forensic Science and the founding Director of the Centre for Forensic Science, University of Technology, Sydney, Australia. He obtained a BSc and a PhD from the University of Lausanne, Switzerland. He moved to Australia upon the completion of his PhD in 1996. He has attracted $5M in competitive research grants in the last 5 years.
Claude’s research activities cover a broad spectrum of forensic science including trace evidence and chemical criminalistics, document, fingerprints and forensic intelligence. His research has been largely driven by his vision of forensic science as a distinctive academic and holistic research-based discipline. In addition to the publication of over 120 refereed papers and 25 book chapters and a large number of conference presentations, Claude’s research attracted significant media coverage and 20 awards.
Claude is a member of the editorial board of six scientific journals and of a number of working and advisory groups including the Scientific Advisory Board of the Office of the Prosecutor of the International Criminal Court, and is the current President of the Australian & NZ Forensic Science Society (ANZFSS) and a Council
member of the Australian Academy of Forensic Sciences. He was the Chair of the 20th International Symposium on the Forensic Sciences (ANZFSS Symposium) in Sydney in 2010.

**Professor Bernard Silverman FRS, Home Office, UK**  
Bernard Silverman is a statistician and Fellow of the Royal Society. He is past president of the Royal Statistical Society and the US based Institute of Mathematical statistics. He is the Chief Scientific Adviser at the Home Office and in this capacity he provides independent scientific advice to the Home Secretary and other Home Office ministers and policy officials. He also has management responsibilities for the Home Office Centre for Applied Science and Technology and teams of social researchers, economists and operational researchers supporting Home Office policy and operations in Crime and Policing, Migration and Counter-Terrorism as well as international collaboration in scientific matters relevant to Home Office business, particularly with the US Department of Homeland Security.

**Ms Karen Squibb Williams, Acorn Chambers, UK**  
From 2004 – 2013 Karen was national lead for prosecution policy in cases involving scientific evidence, expert witnesses and disclosure obligations. She was responsible for briefing, supporting and advising successive Attorney Generals and Directors of Public Prosecutions regarding strategic policy and legal issues within her specialist portfolio. Karen regularly worked with Ministers and their senior advisers at the Home Office, the Ministry of Justice, the Attorney General’s Office, the Association of Chief Police Officers (ACPO), the judiciary at all levels including Lord Chief Justices, the Masters of the Rolls and Senior Presiding Judges, leading forensic scientists and commercial forensic science providers, a wide range of experts, leading academics and the Forensic Science Regulator. She has given written and oral evidence at Parliamentary Select Committee inquiries, and was a key member of the cross-government group responsible for creating the office of the Forensic Science Regulator.

**Dr Justice Tettey, United Nations Office on Drugs and Crime, Austria**  
Dr Justice Tettey joined the United Nations Office on Drugs and Crime in 2008 as Chief of the Laboratory and Scientific Section, Division of Policy Analysis. The section is responsible for the development and implementation of the office’s Global Scientific and Forensic Services Programme which seeks to ensure that Member States have access to, and use quality forensic science services in their fight against drugs and crime. Justice Tettey holds a Bachelor of Pharmacy degree from the University of Science & Technology, Ghana and a Master of Science in Pharmaceutical Analysis and PhD in Pharmaceutical Sciences, from the University of Strathclyde, Glasgow. He started his career in medicines regulation with the Ghana Pharmacy Board. Following his postgraduate studies, he was awarded a Glaxo-Wellcome Postdoctoral Fellowship for research in chemical toxicology at the Department of Pharmacology and Therapeutics, University of Liverpool Medical School. He later joined the Strathclyde Institute of Pharmacy and Biomedical Sciences, University of Strathclyde in 2000, and led research in Pharmaceutical Analysis and Drug Metabolism, in addition to teaching on the Master of Pharmacy and Master of Science in Pharmaceutical Analysis programmes until 2008. Justice Tettey is a Fellow of the Royal Society of Chemistry of the United Kingdom; Fellow of the United Kingdom Higher Education Academy; Member of the Pharmaceutical Society of Ghana; Member of the British Pharmacopoeia Commission Expert Panel on Biological and Biotechnology Products (2003 to date) and has served as Visiting/Honorary Lecturer at the Department of Pharmacology and Therapeutics, University of Liverpool Medical School (2000-2006) and Strathclyde Institute for Biomedical Sciences, University of Strathclyde, Glasgow (2008-2010).
Dr Gillian Tully, Forensic Science Regulator, UK
Gillian Tully is the UK Forensic Science Regulator and an internationally respected forensic geneticist. She was the former head of research and development within the Forensic Science Service and was a director of Principal forensic services, a forensic science consultancy working in the UK and internationally.

Professor Arian van Asten, Netherlands Forensic Institute, Netherlands
Arian van Asten studied analytical chemistry at the University of Amsterdam. He obtained his PhD from the same University in 1995. After working for over 10 years in the chemical industry he transferred to the Netherlands Forensic Institute in 2006 and became involved in forensic science. He has been working at the NFI as member of the management team, department head and principal scientist. In June 2012 Arian van Asten was appointed professor at the Faculty of Science of the University of Amsterdam on a special chair in Forensic Analytical Chemistry. Together with Professor Dr Maurice Aalders he manages the Co van Ledden Hulsebosch Center (CLHC), the Amsterdam Center for Forensic Science and Medicine. The center started in September 2013 as a collaboration of the Faculty of Science and the Academic Medical Center of the University of Amsterdam and the Netherlands Forensic Institute.

Mr Marcel van der Steen, Netherlands Forensic Institute and ENFSI R&D committee, Netherlands
Marcel Van der Steen was appointed Manager of Research and Development of the Netherlands Forensic Institute in 2006 where he dealt with the development of knowledge and new technology for the institute. He was appointed as the advisor to the Board of the NFI and Chairman of the R&D standing committee of the European Network of Forensic Science Institutes in 2009.

His Hon Judge Mark Wall QC, UK
Mark Wall is 51 years old. He was called to the Bar in 1985 and had chambers in Birmingham. He has only practiced in criminal law since 1990, taking silk in 1996. He was leader of the Midlands Circuit between 2011 and 2014 and was then appointed to the Circuit Bench in 2014. He now sits as a criminal judge in Birmingham. He spent his last eight years at the Bar dealing primarily with homicide cases but before that was instructed in a wide variety of criminal cases by both the prosecution and defence.

Dr Mark Weiss, National Science Foundation, USA
Mark Weiss is the Division Director for the Division of Behavioral and Cognitive Sciences of the US National Science Foundation. He is an ex-officio member of the US National Commission on Forensic Science.

Dr Sheila Willis, Forensic Science Ireland, Republic of Ireland
Sheila Willis is the director general of Forensic Science Ireland which is the Republic of Ireland’s Forensic Science Laboratory. She is particularly keen on promoting the value of science to serve justice. This includes ongoing attempts to ensure that findings are reported in a balanced and transparent manner. She has recently led a project for the development and implementation of an ENFSI guideline for reporting evaluative forensic evidence. FSi is nominated as the Custodian of the Irish DNA database in the 2014 Act. She is former chair and present member of AFSP (Association Forensic Science Providers) which represents the main independent forensic science providers in UK and Ireland.