

SEEING HEALTHCARE SCIENCE IN A NEW LIGHT

PROVISIONAL PROGRAMME

The Conference will be chaired by Journalist and Broadcaster, Nick Ross.

DAY 1 – JULY 7TH

Plenary sessions will include the following presentations and opportunities for Q&A.

MORNING

- **Welcome and Introduction**

Sue Hill, Chief Scientific Officer, Department of Health.

- **Science and Health – Inextricably Linked**

This session will cover the key relationships between science, engineering and technology and the prevention, diagnosis and treatment of disease.

Science: The Key to Modern Healthcare Delivery

Professor Carol Black, President of Royal College of Physicians.

Science, Engineering and Technology Driving Change

Professor Sir Michael Brady, Department of Engineering Science, University of Oxford.

Getting the Healthcare Science Message Across

Alastair McLellan Editor, Health Service Journal.

Panel Discussion with Q&A

- **Key messages from Senior DH Officials and Open Discussion**

Sir Nigel Crisp
Sir Liam Donaldson (TBC)
Sarah Mullally
John Bacon

- **Ministerial Address**

LUNCH AND EXHIBITION

AFTERNOON

- **NHS LIVE**

The plenary session of NHS Live offers the opportunity to hear international speakers who are world-class in their field of expertise. Attendance at this session offers the chance for a higher view of learning and celebration of best practice as the speakers share their experiences and learning on the themes of Health Improvement, Science and the Future and Effective Leadership. Speakers will include:

- The Rt. Hon. John Reid MP, Secretary of State for Health.
- Don Berwick, President and CEO, Institute for Healthcare Improvement, Boston, MA.
- Sir Liam Donaldson, Chief Medical Officer.
- Dr. Frank Dick OBE, President, European Athletic Coaches Association.
- Sir Nigel Crisp, Chief Executive, NHS.

EVENING

- **The Health and Social Care Awards which will include**

Reception
Exhibition
Awards Ceremony (including the presentation of the Healthcare Scientist of the Year Award)
Buffet Dinner
Entertainment

DAY 2 – JULY 8TH

MORNING

- **New Technologies and Opportunities for Delivering Diagnostics in Healthcare**

This session will focus on the potential impact of new innovations such as bio and nanotechnology, nuclear imaging, genetic testing and physiological monitoring on the application of science in health and on the opportunities for translational research and development.

Bio and Nanotechnology

Professor Chris Lowe, Institute of Biotechnology, University of Cambridge.

Nuclear/Molecular Imaging

Professor Pat Price, Professor of Radiation Oncology, Christie Hospital Manchester and University of Manchester.

Lessons from The Human Genome Project

Professor John Burn, Institute of Human Genetics, University of Newcastle.

Physiological Monitoring – what can it tell us

Professor Jim Horne, Sleep Research Laboratory, University of Loughborough.

Panel Discussion with Q&A

LUNCH

AFTERNOON

- **The Patient – the focal point of our attention**

This session will focus on ways in which healthcare science and healthcare scientists are providing a better NHS for patients.

Public Private Partnerships providing better access for patients

Professor Adrian Davies, Director MRC Hearing and Communication Group, University of Manchester.

How clinical engineering can improve patient quality of life

Professor Martin Ferguson-Pell, University College London.

Providing better information on which to base choice – an innovative solution for pathology Mike Hallworth, Consultant Clinical Biochemist, Royal Shrewsbury Hospital and Chair Lab Tests OnLine.

Panel Discussion with Q&A

- **Motivational Speaker**
David Bodanis, Author of $E=mc^2$
See www.glasgows.co.uk/csoconference for Biography.

MASTERCLASSES

Masterclasses will take two themes: Leading the Change and New Horizons. Masterclasses will take place in both the morning and afternoon sessions.

THEME: LEADING THE CHANGE

- A. **Pathology modernisation and networks**
How networks can help laboratory medicine respond to future challenges and raise the profile of this vital service. **Professor James Underwood, President, Royal College of Pathologists, Dr. Ian Barnes, Pathology Modernisation Advisor, DH, Dr Martin Myers, Consultant Clinical Scientist, Preston.** (Professor James Underwood to be confirmed)
- B. **Translating the evidence base into clinical practice**
The evidence base may be only part of the story. Understanding politics, patients, politicians and patience adds a wider dimension to the challenge. **Professor Chris Price, University of Oxford.**
- C. **Taking services closer to patients**
Examples from Life Sciences and Physiological Sciences, Near patient Testing and outcome measures which need to form an integral part of any business case. **Gilbert Wieringa, Christie Hospital, Manchester and Dr. Brendan Cooper, University Hospital, Birmingham.**
- D. **Implementing Agenda for Change**
Practical tips and guidance for healthcare science departments in preparation for national roll. **Dr. Keith Ison, Guys and St. Thomas's NHS Trust, an early AforC implementer site.**
- E. **Developing Healthcare Science networks, influencing commissioners**
Effective engagement of healthcare scientists at local levels for delivery of improved services. (Speakers to be confirmed).
- F. **A new competency based career pathway for Healthcare Scientists**
The linking of the new 9 stage career pathway to the national occupational standards in healthcare science, and opportunities for education and training **Professor Sue Hill, DH CSO, Shirley Fletcher, NOS HCS Project and Simon Brewer, Trent WDC.**

THEME: NEW HORIZONS

- A. **The Diagnostics agenda**
Delivering enough capacity in imaging, endoscopy, laboratory medicine and physiological measurement is key to better chronic disease management and healthcare devolution. This session will challenge the how, what, when and by whom. **Dr. Joe Rafferty, Greater Manchester SHA and Keith Smith, Head of DH Diagnostics Branch** (Speakers to be confirmed).
- B. **Ethical Practice**
Highlighting the Healthcare Scientists' responsibilities in topical ethical issues such as informed consent, the Human Tissues Bill and research governance. **Dr Brian Colvin, Bart's and the London Hospital.**
- C. **NSF's, NICE and Clinical Guidelines – involving Healthcare Scientists**
The compilation, dissemination and the implications for service provision and how Healthcare Scientists should be an integral part of development and implementation. **Dr. Julian Barth, Leeds Teaching Hospitals NHS Trust and Professor Philip Home, NICE HTA Programme, University of Newcastle.**

- D. Technology based Knowledge and Decision Support Systems**
Advances in technology and communication links provide a whole range of opportunities for healthcare. This session considers the key role of Healthcare Scientists in implementation of Government strategy. **Dr. Rick Jones, Leeds and Dr. Jonathan Kay, Oxford.**
- E. New Roles, Service Redesign and opportunities in Primary Care**
The introduction of new roles at associate and advanced practitioner levels to support service innovation and the changing care landscape will be presented. (Speakers to be confirmed).
- F. Science Ambassadors and engaging the future workforce**
How to introduce recruitment and retention initiatives to ensure the NHS has enough Healthcare Scientists to deliver priorities. **Ian Legg, Healthcare Science Recruitment Resource Centre Project Manager, Northumberland and Tyne and Wear SHA and Foluke Ajayi, HCS Professional Officer.**