



Edinburgh Bangalore Life Sciences Symposium Programme Day 1: 16th January 2012

09:00 Welcome addresses, Faculty Hall, IISc

PARALLEL THEME: Ecosystem Health

Centre for Neuroscience, IISc

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| 09:15 | Introductions |
| 09:30 | <i>One Health at The Royal (Dick) School of Veterinary Studies.</i> Chris Low, UoE |
| 10:00 | <i>Maneaters and Rogues: The Ecology of Wildlife-Human Conflicts.</i> K. Sukumar, IISc |
| 10:30 | Panel discussion and Q&A |
| 10:45 | Break |
| 11:00 | <i>One Health beyond the confines of Emerging Disease: A Public Health template for dealing with the forgotten diseases?</i> Sue Welburn, UoE |
| 11:30 | <i>Why numbers may not be enough: a population genetic perspective on tiger survival into the next century.</i> Uma Ramakrishnan, NCBS |
| 12:00 | Panel discussion and Q&A |
| 12:15 | Lunch – Main IISc Guesthouse |
| 13:15 | <i>Conservation Medicine.</i> Anna Meredith, UoE |
| 13:45 | <i>The Conundrum of Tuberculosis Diagnosis in Asian Elephants in India.</i> Shalu Verma, IISc |
| 14:15 | Panel discussion and Q&A |
| 14:30 | Close of open session |
| 14:45 | Next steps & collaborations discussion |
| 15:45 | Close |

16:00 *Public Lecture: The making, keeping and losing of memories.* Richard Morris
Faculty Hall, IISc

19:00 Dinner hosted by the University of Edinburgh.
Main IISc Guesthouse, IISc Campus

PARALLEL THEME: Cell & Molecular Biology

Faculty Hall, IISc

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| 09:15 | Introductions |
| 09:30 | <i>Functional coupling of transcription and splicing.</i> Jean Beggs, UoE |
| 10:00 | <i>Preparing a functional transcript: Conserved roles for homologous splicing factors in two yeasts?</i> Usha VijayRaghavan, IISc |
| 10:30 | Panel discussion and Q&A |
| 10:45 | Break |
| 11:00 | <i>Structure and operation of the DNA-translocating Type I DNA restriction enzymes.</i> David Dryden, UoE |
| 11:30 | <i>Helicobacter pylori Restriction Modification systems: Role beyond genome protection.</i> D. N. Rao, IISc |
| 12:00 | Panel discussion and Q&A |
| 12:15 | Lunch – Main IISc Guesthouse |
| 13:15 | <i>Stem cells for liver regeneration.</i> Stuart Forbes, UoE |
| 13:45 | <i>Liver regeneration: Innovative approaches.</i> N. Trehanpati, ILBS Delhi |
| 14:15 | Panel discussion and Q&A |
| 14:30 | Break |
| 14:45 | <i>Cellular and molecular mechanisms of hematopoietic lineage commitment.</i> Claus Nerlov, UoE |
| 15:15 | <i>Breast Cancer and Stem Cells.</i> Anu Rangarajan, IISc |
| 15:45 | Panel discussion and Q&A |
| 16:00 | Close of open session |

Edinburgh Bangalore Life Sciences Symposium Programme Day 2: 17th January 2012

THEME 3: Neuroscience

Faculty Hall, IISc

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| 09:00 | Introductions |
| 09:15 | <i>Conserved roles of the genes empty spiracles and orthodenticle in the development of olfactory and visual system.</i> Sonia Sen, NCBS |
| 09:45 | <i>Gene regulatory programmes for constructing sensory neurons.</i> Andrew Jarman, UoE |
| 10:15 | Panel discussion and Q&A |
| 10:30 | Break |
| 10:50 | <i>Fragile X Syndrome and the Amygdala.</i> Shona Chatterji, NCBS |
| 11:20 | <i>Cerebral cortical development in Fragile X Syndrome.</i> Peter Kind, UoE |
| 11:40 | Panel discussion and Q&A |
| 11:55 | <i>Gene activation and memory encoding in neocortex during hippocampus-dependent learning.</i> Richard Morris, UoE |
| 12:15 | <i>Sensory representations in space and time in the olfactory bulb and hippocampus.</i> Upinder Bhalla, NCBS |
| 12:45 | Panel discussion and Q&A |
| 13:00 | Lunch |
| 13:45 | <i>Glutamate receptors: from single-channels to stem cells.</i> David Wyllie, UoE |
| 14:15 | <i>Two tales of two active membranes: Influences and interactions.</i> Rishikesh Narayanan, IISc |
| 14:45 | Panel discussion and Q&A |
| 15:00 | Break |
| 15:20 | <i>New Approaches to disease modifying therapies for Alzheimer's disease.</i> Viji Ravindranath, IISc |
| 15:50 | <i>Neurodegeneration, stem cells and brain repair.</i> Siddharthan Chandran, UoE |
| 16:10 | <i>Neurodegeneration, movement and cognition: clinical research meets basic science.</i> Thomas Bak, UoE |
| 16:40 | Panel discussion and Q&A |
| 17:00 | Close of open session |
| 17:00 | Next steps & collaborations discussion |
| 18:00 | Close of Neuroscience Theme |

19:00 Dinner hosted by the National Centre for Biological Sciences
Venue: NCBS