**Neonatal Update 2019**

**Programme**

**Monday 25 November**

Chair: Dr Vimal Vasu

09:30-10:30  **Dr Jethro Herberg**, Imperial College London  
*Genome-wide host signatures and other biomarkers of infectious diseases in infants and children*

10:30-11:30  **Dr Peter Hoffman**, Public Health England  
*Preventing infection transmission: key principles to guide policies*

11:30-12:00  Coffee

12:00-13:00  **Professor Neena Modi**, Imperial College London  
*The protein requirements of preterm infants*

13:00-14:00  Lunch

Chair: Dr Tom Lissauer

14:00-15:00  **Dr Christopher Stewart**, University of Newcastle  
*The role of the preterm intestinal microbiome in sepsis and necrotising enterocolitis*

15:00-16:00  **Mr Greg James**, Department of Paediatric Neurosurgery, Great Ormond Street Hospital  
*Advances in the management of hydrocephalus in infancy*

16:00-16:30  Tea

16:30-17:30  **Professor Christophe Fraser**, University of Oxford  
*Bringing big-data to infection control: preventing infections using pathogen genomics and mathematical modelling*

17:30-19:00  Welcome reception

**Tuesday 26 November**

Chair: Dr Cheryl Battersby

09:00-10:00  **Dr A Aldo Faisal**, Imperial College London  
*Artificial Intelligence: a primer for clinicians*

10:00-11:00  **Professor Martin Kluckow**, University of Sydney  
*Point of care ultrasound and echocardiography in the neonatal unit: applications, training and accreditation*

11:00-11:30  Coffee

11:30-12:30  Delegate dispatches;  
**Dr Robert Guaran**, Executive Neonatology Advisor New South Wales Perinatal Services Network; Neonatal Intensivist Liverpool Health Service, Board Member Miracle Babies Foundation, Chairman NSW Health Pasteurised Donor Human Milk Clinical Advisory Group  
*Human Milk for Human Babies: Is more research needed when the consumer is always right?*

**Dr Kevin Ives**, Oxford University Hospitals NHS Foundation Trust  
*Primary nasal high flow respiratory support: debunking the mantra of rescue CPAP*

12:30-13:30  Lunch

Chair: Professor Neena Modi

13:30-14:30  **Professor George Chrousos**, University of Athens, Greece  
*Translating insights from epigenetic science into health policy*

14:30-15:30  **Professor Annemarie Van Rossum**, Erasmus University, The Netherlands  
*Sepsis calculators and other practical approaches to reduce antibiotic exposure in neonates*

15:30-16:00  Tea

16:00-17:00  The 2019 David Harvey Lecture;  
**Professor Christian Speer**, University Children's Hospital, Wurzburg, Germany  
*The history and evolution of surfactant substitution in neonatal RDS*
Wednesday 27 November

Chair: Professor Andrew Wilkinson

09:00-10:00  **Professor Ann Hellström**, Queen Silvia Children's Hospital, Sweden
  *Screening and novel therapies for Retinopathy of Prematurity*

10:00-11:00  Young Investigator Award presentations;
            **Dr Calum Roberts**, Consultant Neonatologist, Monash Newborn, Melbourne, Australia

11:00-11:30  Coffee

11:30-12:30  **Professor Louise Kenny**, Liverpool University
  *Sildenafil and other approaches to treating early onset fetal growth restriction*

12:30-13:30  **Dr Kathryn Beardsall**, University of Cambridge
  *Real-time continuous glucose monitoring in neonatal intensive care*

13:30-14:00  Lunch

14:00-15:30  Workshops;
            **Professor Martin Kluckow**, University of Sydney
            *Benefits of clinician-performed ultrasound in the NICU*
            **Dr Joyce O’Shea**, Royal Hospital for Children, Glasgow
            *The uses of Videolaryngoscopy in Neonatology*

15:45-17:15  Workshops; as above

Thursday 28 November

Chair: Professor Kate Costeloe

09:00-10:00  **Prof Eduardo Tizzano**, Department of Clinical and Molecular Genetics, Hospital Valle Hebron, Barcelona
  *Treating neonatal Spinal Muscular Atrophy: a 21st century success story?*

10:00-11:00  **Professor Barbara Schmidt**, University of Pennsylvania
  *Caffeine therapy for apnea of prematurity: two decades of international clinical research*

11:00-11:30  Coffee

11:30-12:30  **Professor Julia Sanders**, Cardiff University
  *Midwifery-led childbirth*

12:30-14:30  Lunch
            **Chair: Dr Sabita Uthaya**

13:30-14:30  **Professor Kostas Kostarelos**, University of Manchester
  *Nanomedicine and nanotechnology explained*

14:30-15:30  **Professor Mireille Toledano**, Imperial College London
  *Environmental hazards and newborn health*

15:30-16:00  Tea

16:00-17:00  **Professor Haresh Kirpalani**, Children’s Hospital of Philadelphia
  *Non-invasive newborn ventilation in high, middle and low-income settings*

Friday 29 November

Chair: Vimal Vasu

09:00-10:00  **Dr Susan Hill**, Great Ormond Street Hospital
  *Practical management of home parenteral nutrition in infancy*

10:00-11:00  **Professor Sam Johnson**, University of Leicester
  *Neurodevelopmental outcomes following late and moderate prematurity*

11:00-11:30  Coffee

11:30-12:30  **Professor Marian Knight**, University of Oxford
  *Strengths and weaknesses of national confidential case reviews of maternal and newborn morbidity & mortality*

12:30-13:30  **Dr Anna Curley**, National Maternity Hospital, Dublin
  *Platelet-transfusion thresholds in neonatal medicine*

13:30  Lunch and end of meeting