

## **Neonatal Society Spring Meeting, 4th March 2021**

Royal Society of Medicine, 1 Wimpole Street, London, W1G 0AE

*Meeting Virtual Link: To be emailed to delegates on 3<sup>rd</sup> March 2021*

### **Session 1: Chair – Professor Helen Budge. Moderator – Professor Lucy Chappell.**

10:00. A Aiyengar, Homerton University Hospital

A systematic review of complaints received by neonatal units

10:15. W Alyahya, University of Glasgow

Early feeding with fortified mother's own, donor milk and formula in very preterm infants

10:30. P Clarke, Norfolk and Norwich University Hospital

Vitamin K<sub>1</sub> deficiency in exclusively human milk-fed preterm infants in early infancy

10:45. S Greenbury, Imperial College London

Patterns of postnatal weight gain in very and extremely preterm babies: a 12 year, whole population study

11:00. S Uthaya, Imperial College London

Early versus delayed initiation of parenteral nutrition after very preterm birth

11:15. W Lammons, Imperial College London

Involving parents, patients and clinicians in the design of a UK national double-cluster pragmatic randomised controlled trial

11:30. Tea / coffee

### **Session 2: Chair – Professor Andy Ewer.**

11:45 **Keynote Lecture**

Professor Tim Nawrot, Centre for Environmental Sciences, Hasselt University, Belgium

The impact of pollution on perinatal development

12:45. Lunch break

### **Session 3: Chair – Professor James Boardman. Moderator – Dr Kevin Goss.**

13:45. M Fernandes, University of Southampton

The INTERGROWTH-21st Project International INTER-NDA standards for child development at two years of age: An International Prospective Population-based Study

14:00. A Bonthron, King's College London

Individual differences in brain development and cognitive outcome in infants with congenital heart disease

14:15. T Hurley, Trinity College Dublin  
Melatonin alters systemic cytokine production in neonatal encephalopathy

14:30. V Ponnusamy, Queen Mary University of London  
Apoptotic neuronal cell death in neonatal encephalopathy is regulated by the Hippo-YAP-let-7b axis

15:45. S Pregnolato, University of Bristol  
Regulation of neuroinflammation and glutamate transport in a term newborn rat model of hypoxic-ischaemic brain injury

15:00. S Williams, Brighton & Sussex Medical School  
Assessment of the repeatability and reliability of ultrasound measurement of the new-born corpus callosum and comparison with MRI

15:15. Afternoon Tea / Coffee

**Session 4: Chair – Professor Karen Luyt. Moderator – Professor Andy Ewer.**

15:30. E Wheeler, University of Edinburgh  
Association between preterm birth, differential DNA methylation and brain dysmaturation

15:45. O Rivero-Arias, National Perinatal Epidemiology Unit, University of Oxford  
Neonatal health care cost of preterm babies born between 27-31 weeks in England: Retrospective analysis of a national birth cohort using the OPTI-PREM dataset

16:00. M Casacão, University College Cork  
Early life oxygen dysregulation and gram-positive bacterial challenge in a neonatal rat model induces an inflammatory response but ventilatory control is maintained during normoxia

16:15. N Aiton, Brighton and Sussex University Hospitals NHS Trust  
Using 3D photography and imaging analysis to detect prenatal alcohol exposure

16:30. **Prize for best presentation by a trainee**

16:40. **McCance Lecture – Introduced by Professor James Boardman, President**  
Professor Deborah Lawlor, MRC Integrative Epidemiology Unit, University of Bristol  
Early life determinants of cardiometabolic health; separating cause from association

17:40. Close of meeting