

## Neonatal Society Spring Meeting, 10th March 2023

Royal Society of Medicine, 1 Wimpole Street, London, W1G 0AE  
*Meeting Virtual Link: To be emailed to delegates on 9th March 2023*

### 08:45. Tea/Coffee

#### Session 1

09:15. Rupa Rubinstein

Fathers' experiences of family integrated care (FICare) in the neonatal unit, a systematic review

09:30. Topun Austin

Developing a digital support tool for the families of babies being cared for in neonatal units

09:45. David Wertheim

Changes in blood oxygen saturations associated with seizures in term babies

10:00. Vinita Verma

Impact of neonatal seizures on brain temperature in a preclinical model

10:15. Tea / coffee

#### Session 2

10:45. James Webbe

Primary outcomes in neonatal trials: heterogeneity, gaps and how to strengthen reporting

11:00. Emily Prior

Childhood body composition following preterm birth: a systematic review and meta-analysis

11:15. Jessica Burgess-Shannon

Outcomes following the introduction of standard parenteral nutrition in preterm infants: A whole population non-concurrent control study

11:30. Kadi Vaher

Neonatal gut microbiota and brain dysmaturation in preterm infants

11:45. **Keynote Lecture**

**Prof Samantha Johnson, Professor of Child Development, Department of Population Health Sciences, University of Leicester**

Interventions to improve neurodevelopmental outcomes in children born preterm

12:45. Lunch break (90 minutes)

### **Session 3**

14:15. Ela Chakkarapani

Heart rate variability during cuddling encephalopathic infants undergoing therapeutic hypothermia and intensive care

14:30. Lancelot Jamie Millar

Hypoglycaemia in Neonates with Moderate-to-Severe Hypoxic Ischaemic Encephalopathy (HIE) undergoing Therapeutic Hypothermia

14:45. Isabell Nessel

Neonates with Substantial Brain Injury After Therapeutic Hypothermia for Hypoxic-Ischemic Encephalopathy Have Decreased Omega-3 Long-Chain Polyunsaturated Fatty Acids

15:00. Arthur Spencer

School-age children cooled for neonatal encephalopathy without cerebral palsy retain healthy resting-state static and dynamic functional connectivity

15:15. Katie McKinnon

Integrated analysis of preterm birth and socioeconomic status with neonatal brain structure

15:30. Afternoon Tea / Coffee

### **Session 4**

16:00. **Rising Star Annual Invited Lecture**

**Dr Rebecca Gentek, Chancellor's Fellow & Kennedy Trust Senior Research Fellow, Centre for Inflammation Research, University of Edinburgh**

The intrauterine environment, immune development, and disease in later life

16:30. Federica Amati

Infant body composition and long-term health outcomes: a systematic review and gap analysis

16:45. Tilly Pillay

Place of preterm births at 27-31weeks: mortality and morbidity outcomes from OPTIPREM

### **Session 5**

17:00. **Prize for best presentation by a trainee**

17:10. **McCance Lecture – Introduced by Professor Andy Ewer, President**

**Prof John Cryan, Professor & Chair, Dept. of Anatomy & Neuroscience / Vice President for Research & Innovation, University College Cork**

The neonatal microbiome: gut-brain axis: implications for lifelong health

18:10. Close of meeting