

Autumn Meeting, 11th November 2021

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

Meeting Virtual Link: To be emailed to delegates on 10 November 2020

Session 1

9:00. Paul Crawley, King's College London

Portable point-of-care ultra-low field magnetic resonance brain imaging for newborn infants

9:15. Sijia Yao, Imperial College London

Postnatal steroid use in the United Kingdom 2012-2019: A population study using the National Neonatal Research Database

9:30. David Stoye, National Perinatal Epidemiology Unit, University of Oxford

Early neonatal feeding exposure and outcomes in infants born very preterm or with very low birth weight: a secondary analysis of the SIFT data

9:45. Graciaa Singhal, Imperial College London

The timing of stoma closure in neonates – a UK population study using the National Neonatal Research Database

10:00. Tea / coffee

Session 2

10:30. Leike Hoogenboom, Maastricht University Medical Centre

Chorioamnionitis causes kidney inflammation, podocyte damage and pro-fibrotic changes in fetal lambs

10:45. Fraser G Christie, Royal Infirmary Edinburgh & University of Edinburgh

The SCO₂T Study – randomised cross-over study of servo control oxygen targeting for preterm infants

11:00. Daria Andreeva, King's College London

Trends in Covid-19 antibody prevalence in a cohort of pregnant women at a large inner-city maternity unit.

11:15. Tea / coffee

Session 3

11:45. **Keynote Lecture**

Professor Petter Brodin, Department of Immunology and Inflammation, Imperial College London: Developmental immune-microbe interactions: targets for improving life course health?

12:30. **Annual General Meeting** (Open to members of the Neonatal Society)
Virtual breakout session

13:30. **Lunch break**

Session 4

14:30. Constance Burgod, Imperial College London
Whole blood gene expression profile provides insights into lack of hypothermic neuroprotection after hypoxic ischemic encephalopathy in low and middle-income countries

14:45. Deepika Shukla, Imperial College London
Assessment of hypothermic neuroprotection for neonatal encephalopathy using quantitative magnetic resonance biomarkers in low and middle-income countries

15:00. Kathryn Woodward, University of Bristol
Developmental and behavioural outcomes of early school-age children with motion artefacts on brain MRI scans

15:15. Daniel Cromb, King's College London
Common genetic variation on IGFBP7 is associated with cortical brain development in preterm infants

15.30. Afternoon Tea / Coffee

Session 5

16:00. Ammee Ahlia Gala, University of St Andrews
Impact of mild therapeutic hypothermia on the stool microbiome of newborns with hypoxic-ischemic encephalopathy

16:15. Paola Galdi, MRC/University of Edinburgh Centre for Reproductive Health
Feature similarity gradients detect alterations in the neonatal cortex associated with preterm birth

16:30. Rebekah Nixon, The Royal London Hospital
Lipidomic insights from dried blood spots of newborns undergoing mild therapeutic hypothermia for hypoxic-ischemic encephalopathy

16:45. Logan Williams, King's College London
Structural and functional asymmetry of the neonatal cerebral cortex

Session 6

17:10. **Prizes for best presentations**

17:15. **Widdowson Lecture – Introduced by Professor James Boardman, President**

Professor Michael Obladen, Department of Neonatology, Charité University Medicine Berlin: A history of the neonate's past: lessons from triumphs and catastrophes

18:15. Close of meeting