



**The Neonatal Society
Summer Meeting**

June 23rd-24th 2022

University of Winchester

Welcome to Winchester

It is a pleasure to invite you to Winchester (in-person or virtually) for The Neonatal Society Summer Meeting 2022.

The aim of the society is to bring scientists and clinicians together to discuss important topics in perinatal medicine, to learn from one another and generate new ideas, to network and to meet old friends and make new ones too.

The meeting is being held at the University of Winchester and we are delighted to welcome four distinguished keynote speakers from across the world. We are also pleased to invite original abstracts, which will be presented as oral and poster presentations.

We look forward to meeting you in Winchester or virtually this summer. Registration (including accommodation) is now open at <https://www.eventbrite.co.uk/e/neonatal-society-summer-meeting-2022-tickets-325853395277>

Programme **Thursday 23rd June**

9.30 *Registration, coffee and exhibits*

SESSION 1

9:55 Welcome

10:00 Ourania Kaltsogianni: A randomised crossover study of closed loop automated oxygen control in ventilated infants born at or near term

10:15 Emily van Blankenstein: Neonatal outcomes of babies born at 22-24 weeks gestation in England and Wales 2017-2020

10:30 Reena Bhatt: Recombinant surfactant protein D: a potential therapy in infants at high risk of bronchopulmonary dysplasia

10:45 Aneurin Young: Protein intake is critically important to the early growth of very preterm infants

11:00 *Tea break and exhibits*

11:30 **Keynote Lecture: Professor Karel Allegaert, KU Leuven, Belgium**
Challenges of evaluating medicines in neonates

12:30 *Lunch and exhibits*

SESSION 2

14:00 Karen Luyt: The contribution of newborn illness to child mortality

14:15 Janine Abramson: Trends in caffeine use in very preterm infants and association between early caffeine use, preterm brain injury, and bronchopulmonary dysplasia

14:30 Tim van Hasselt: Examining transfers of preterm infants from neonatal units to paediatric intensive care in England 2008-2018

14:45 Sena Jawad: Improving the design of neonatal clinical trials using routinely collected data

15:00 Don Sharkey: Developing novel microbial biofilm-inhibiting polymer coated neonatal devices to reduce nosocomial infections: an in-vitro study using *Candida albicans*

15:15 *Tea break and exhibits*

15:45 **David Harvey Fellowship Lecture: Professor Joy Lawn, LSHTM**

30 million vulnerable newborns: high impact science and care gaps to close

16:45 Close of day

Friday 24th June

9:30 *Registration, coffee and exhibits*

SESSION 3

9:55 Welcome

10:00 Charlotte Hanratty: There is no link between Birth Weight and Developmental Dysplasia of the Hip

10:15 Ahmed Ali: Histone acetylation changes in human placenta of mothers' with preeclampsia

10:30 Sarah Sturrock: NeoMiniGut: preliminary results of a novel technique to create neonatal gut organoids

10:45 Melissa-Sue Ryan: Feasibility of using a parent-report questionnaire for two-year neurodevelopmental follow-up in infants born at 30-34 weeks' gestational age

11:00 *Tea break and exhibits*

11:30 **Keynote Lecture: Professor Saul Faust, University of Southampton**
Treating and preventing complications of paediatric and neonatal COVID-19

12:30 *Lunch, exhibits*

SESSION 4

14:00 **Young Investigator Lecture 2022: Dr James Webbe, Imperial College London**

14:45 Paul Cawley: Point-of-care ultra-low field neonatal magnetic resonance T1 mapping – a novel candidate biomarker for the developing brain

15:00 Samantha Sadoo: Magnetic resonance imaging and magnetic resonance spectroscopy of neonates with encephalopathy in Uganda:

feasibility, acceptability and findings

- 15:15 Raymand Pang: Complementary regional neuroprotection of melatonin and azithromycin following inflammation-amplified hypoxia-ischaemia in newborn piglets
- 15:30 Qiaochu Wu: Cerebellar volume, microstructure, and functional outcome in early school-age children without cerebral palsy cooled for hypoxic-ischaemic encephalopathy
- 15:45 *Tea break and exhibits*
- 16:15 Prize-giving – best oral presentation and best poster by trainees
- 16:20 **The Tizard Lecture: Professor Arjan te Pas, University of Leiden, The Netherlands**
Advances in neonatal stabilisation and resuscitation
- 17:20 Close of Meeting
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