

# NOTTINGHAM PAEDIATRIC RESEARCH SHOWCASE 2019

University of Nottingham  
Sir Clive Granger Conference Venue  
6<sup>th</sup> June 2019



University of  
**Nottingham**  
UK | CHINA | MALAYSIA



Nottingham  
**Children's**  
Hospital

# Nottingham Paediatric Research Showcase Conference



Thursday 6<sup>th</sup> June 2019



## Welcome

Dear Colleagues

Welcome to the third Nottingham Paediatric Research Showcase Conference. We have an exciting programme of new and established research, audit and quality improvement in the field of neonatal and paediatric healthcare. There are guest speakers and original papers presented across the range of healthcare professionals.

We hope the conference offers all an opportunity to present and listen to all the great work that goes on in this region to improve the care we deliver for children and their families. Nottingham has an enviable group of paediatric healthcare professionals and researchers who are not only advancing care locally but also nationally and internationally.

The aim of the conference is to share pride in the work we do in the region and inspire you to take back the learning to the bedside and improve the care you deliver.

If you are interested in learning more about research in Nottingham and how you might get involved feel free to email the conference organisers Dr Don Sharkey, Associate Professor of Neonatal Medicine [don.sharkey@nottingham.ac.uk](mailto:don.sharkey@nottingham.ac.uk) or Dr Joseph Manning, NIHR/HEE ICA Clinical Lecturer [joseph.manning@nuh.nhs.uk](mailto:joseph.manning@nuh.nhs.uk).

**The NPRS Team**



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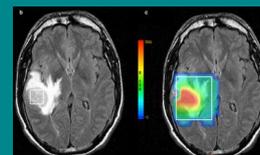


Time	Session	Final Programme
0830–0900	Registration	Tea/Coffee
0900–0910	Welcome	<b>Dr Don Sharkey / Dr Joseph Manning</b> (NPRS Organisers)
0910–0935	Guest lecture 1	<b>Professor Kim Thomas, Professor of Applied Dermatology Research &amp; Co-Director Centre of Evidence Based Dermatology, Co-Director of Research, School of Medicine, University of Nottingham.</b> Childhood skin diseases – an evidence-based approach to treatment
0935–1005	Oral Paper Session 1	1. Noise exposure remains a significant problem for preterm infants undergoing ambulance transfer 2. An evaluation of the impact and outcomes of children and families that participated in an innovative neuro rehabilitation service
1005–1030	Guest Lecture 2	<b>Dr Don Sharkey, Associate Professor of Neonatal Medicine and Consultant Neonatologist, University of Nottingham and Nottingham Children's Hospital</b> Can I get involved in Child Health research? Inspiration from how all team members have participated
1030–1100	<b>Coffee/Tea + Danish</b>	
1100–1125	Guest Lecture 3	<b>Professor Jane Coad, Professor of Children and Families Nursing, School of Health Sciences, University of Nottingham</b> When Words Are Not Enough: Capturing the voices of children, young people and families in research to improve health outcomes.
1125–1210	Oral Paper Session 2	3. Within consultation communication needs regarding quality of life for children, young people and their families 4. Vibration induced brain injury in the developing brain: a double hit mechanism? 5. New MRI measurements of gastrointestinal transit in paediatric constipation: feasibility, acceptability and safety results from young patients and controls
1210–1240	Keynote Lecture	<b>Professor Dame Jessica Corner, Pro-Vice-Chancellor for Research and Knowledge Exchange, University of Nottingham</b> Developing world changing research - a personal view
1240–1350	<b>Lunch and refreshments</b>	
1255–1345	Poster session (Foyer)	<b>See Programme for list of posters – presenters to be at their posters</b>
1350–1420	Oral Paper Session 3	6. Lightning learning: a collaboration to encourage uptake of the evidence in clinical practice 7. The Chameleon Project: a children's end of life care quality improvement project
1420–1445	Guest Lecture 4	<b>Dr William Whitehouse, Clinical Associate Professor and Consultant Paediatric Neurologist, University of Nottingham and Nottingham Children's Hospital</b> Where are we at with A-T? Update on clinical research from Nottingham's national Ataxia Telangiectasia clinic
1445–1515	<b>Coffee/Tea + Nibbles</b>	
1515–1545	Oral Paper Session 4	8. Safety and tolerability of intra-cerebrospinal fluid (CSF) chemotherapy in the treatment of leptomeningeal disease in relapsed/refractory childhood cancer – The Nottingham experience 9. Continuous drug delivery is significantly affected by relative height changes between patients and syringe driver
1545–1630	Guest Lecture 5	<b>Dr Andy Lunn, R&amp;I Divisional Lead (Family Health) &amp; Consultant Paediatric Nephrologist, and PPI representatives, Nottingham Children's Hospital.</b> The benefits of taking part in paediatric research – views from young people
1630–1645	<b>Prize Presentations and close</b>	

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Time	Session	Oral Abstract Sessions
0935-1005	Oral Paper Session 1	<p>1. <b>Noise exposure remains a significant problem for preterm infants undergoing ambulance transfer</b> <i>Dr Rebecca Calthorpe, Paediatric Trainee, Nottingham Children's Hospital</i></p> <p>2. <b>An evaluation of the impact and outcomes of children and families that participated in an innovative neuro rehabilitation service</b> <i>Rachel Keetley, Physiotherapist, Nottingham Children's Hospital</i></p>
1125-1210	Oral Paper Session 2	<p>3. <b>Within consultation communication needs regarding quality of life for children, young people and their families</b> <i>Shelly Stubley, Research Associate, University of Nottingham</i></p> <p>4. <b>Vibration induced brain injury in the developing brain: a double hit mechanism?</b> <i>Wan Teng Lee, Medical Student, University of Nottingham</i></p> <p>5. <b>New MRI measurements of gastrointestinal transit in paediatric constipation: feasibility, acceptability and safety results from young patients and controls</b> <i>Hayfa Sharif, Medical Student, University of Nottingham and NIHR BRC</i></p>
1350-1420	Oral Paper Session 3	<p>6. <b>Lightning learning: a collaboration to encourage uptake of the evidence in clinical practice</b> <i>Margaret Theaker, Knowledge &amp; Library Services Manager, Kettering Hospital</i></p> <p>7. <b>The Chameleon Project: a children's end of life care quality improvement project</b> <i>Dr Toni Wolff, Consultant Paediatrician, Nottingham Children's Hospital</i></p>
1515-1545	Oral Paper Session 4	<p>8. <b>Safety and tolerability of intra-cerebrospinal fluid (CSF) chemotherapy in the treatment of leptomeningeal disease in relapsed/refractory childhood cancer – The Nottingham experience</b> <i>Dr Madhumita Dandapani, Associate Professor of Paediatric Oncology, University of Nottingham and Nottingham Children's Hospital</i></p> <p>9. <b>Continuous drug delivery is significantly affected by relative height changes between patients and syringe driver</b> <i>Aisha Zahid, Medical Student, University of Nottingham</i></p>

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## Poster Session 1255-1345

Posters on view in Foyer, presenters available during lunch

- Characterisation of the metabolomes of two subgroups of paediatric ependymoma
- Striving to do their best: healthcare professionals making difficult decisions in the Paediatric Intensive Care Unit
- Documentation in Nottingham Neonatal Palliative Care – a quality improvement evaluation
- Research into new treatment approaches in Juvenile Systemic Lupus Erythematosus
- Interpretation of electrical impedance tomography (EIT) data through an algorithm developed on MatLab
- Diagnosis of congenital heart disease in neonatal Trisomy 21 – A single centre experience
- Prediction and management of respiratory co-morbidities following congenital tracheoesophageal fistula repair: a multidisciplinary approach
- Neonatal Herpes: 13 year cohort study incidence, clinical presentation and outcomes from a single centre
- Can whole body vibration, as experienced during neonatal ambulance transportation, cause lung injury?

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THE EVIDENCE BASED  
CHILD HEALTH GROUP  
University of Nottingham

## Poster Session

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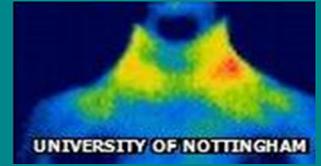
- A descriptive analysis of the routinely collected physiological observations of children and young people in a tertiary UK Children's hospital
- The dilemma of defining BPD: is any definition adequate?
- SKIP Study: Feasibility of a randomised controlled trial of a digital intervention for 9-12 year olds with type 1 diabetes
- Barriers and facilitators to adherence with nebulised antibiotics among adolescents with cystic fibrosis in the community setting
- Using functional near infrared spectroscopy to map lateralization patterns of language networks in children
- In vitro evaluation of the effect of cannabidiol as an adjuvant therapy for paediatric brain tumours
- What is the best way to secure the endotracheal tube in a neonatal unit?
- Type 1 diabetes cohort with HbA1c<48mmols/mol April 2017-March 2018. What have we learnt?
- Diagnosis and imaging findings in infants presenting with apnoeas to PICU

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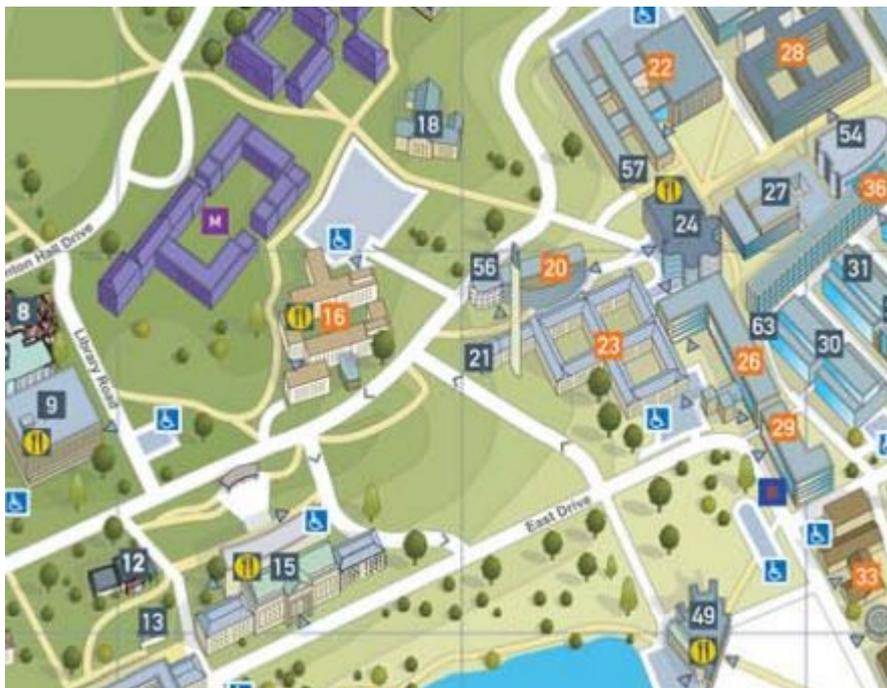
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## Practical Details

- Venue: The University of Nottingham
- Getting to the Sir Clive Granger Conference Venue: visit the University of Nottingham travel website <https://www.nottingham.ac.uk/about/visitorinformation/mapsanddirections/universityparkcampus.aspx> . The Sire Clive Grainger Conference venue is building No. 16 on the University Campus Map.
- The interactive map can be found here <https://www.nottingham.ac.uk/sharedresources/documents/mapuniversitypark.pdf> .
- If arriving by car, we recommend entering campus via the North Entrance and follow the signs to visitor parking which is at the venue entrance. There is a small cost to park here.
- The main tram stop is found near the South Entrance and so is a short walk past the lake up the hill to the venue.



Website <https://nottinghampaediatricresearch.org/>

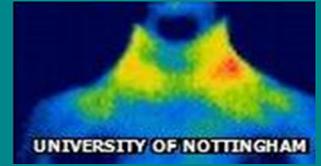
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## Practical Details

- We have a list of all those registered. The event is fully subscribed so you must collect your badge from the registration point in the venue foyer – no need to print your tickets just give your name
- Please wear your badge at all times, it is essential for refreshments and catering purposes
- We will be taking informal photos on the day to highlight the success of the event later on and for subsequent events. Please let us know if you'd rather we take/use photos with you in
- There will be plenty of refreshments and lunch for all attendees
- Please return to the lecture theatre promptly as we have a tight programme and it will be polite to start presenters on time and without interruption
- Attendance certificates are available via electronic feedback forms emailed after the conference – watch your inbox

In an effort to reduce plastic waste from bottled water, we are giving away reusable bottles to the first 100 people registering on the day.

Website <https://nottinghampaediatricresearch.org/>

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We'd like to say a special thank you to all the speakers and presenters at the conference. We would also like to say thank you to the teams below who have supported us setting this up and running the conference both financially and practically

  
*Health Education England*

Nottingham  
University  
Hospitals   
NHS Trust



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