

# NCRC Annual Symposium 2018

## Programme

Time	Speaker	Title	Room
09:00	Dr. Jacinta Kelly	WELCOME	NCRC Seminar Room
		<b>PAEDIATRIC RESEARCH PROJECT GRANTS: SESSION 1</b>	NCRC Seminar Room
09:15	Dr. Janna Nousbeck	miRNA signature in Childhood Atopic Dermatitis. <i>PI: Prof Alan Irvine &amp; Dr Janna Nousbeck</i>	
09:30	Dr. Douglas Marques	MIDAS: Design & Production of a Novel, Synthetic Stented Heart Valve for Minimally-Invasive Delivery in Paediatric Patients <i>PI: Dr Thomas Flanagan</i>	
09:45	Dr. Judith Coppinger	Extracellular vesicles mediate inflammatory signalling in Cystic Fibrosis (CF) and have distinct profiles in CF patients with progressing disease. <i>PI: Dr Judith Coppinger</i>	
10:00	Prof. James O'Donnell	Novel roles for von Willebrand factor and coagulation activation in the pathogenesis of paediatric cerebral malaria <i>PI: Prof James O'Donnell</i>	
10:15	Dr. Kiva Brennan	Improving vaccine adjuvants for at risk groups: Intact Nucleic Acid Cytokine Responses in Obese Children and Infants of Obese Mothers <i>PI: Dr Sarah Doyle</i>	
<b>10:30</b>		<b>COFFEE</b>	<b>The Atrium</b>

PAEDIATRIC RESEARCH PROJECT GRANTS: SESSION 2

11:00	Dr. Andrew Hogan	Running to a standstill - Natural Killer cells in childhood obesity <i>PI: Dr Andrew Hogan</i>
11:15	Dr Stephanie Annett	The role of FKBPL in childhood obesity <i>PI: Prof Tracy Robson</i>
11:30	Dr. Charlene Foley	The Down's Arthritis Study (DAS): An Investigation into the Genetics, Immunology and Histopathology of Inflammatory Arthritis in Children with Down Syndrome <i>PI: Dr Orla Killeen</i>
11:45	Dr. Richard Jennings	The role of NOX4 in the GIT <i>PI: Prof Ulla Knaus</i>
12:00	Dr. Mark Hughes	Engineered recombinant activated protein C as a novel therapeutic agent for children with inflammatory bowel disease <i>PI: Prof Roger Preston</i>
12:15	Dr. Yasmina Esther Hernandez Santana	Defining the significance of altered IL-36 family expression in Paediatric Ulcerative colitis <i>PI: Dr Patrick Walsh</i>
12:30	Dr. Emma Dorris	Genetics of rare disease to aid early intervention in paediatric rheumatology: A novel familial RELA truncation is associated with Behçet's-like Mucocutaneous Ulceration Syndrome. <i>PI: Prof Gerry Wilson</i>
12:45	Dr. Hiroki Nakamura	Altered expression of inflammasomes in Hirschsprung's Disease <i>PI: Prof Prem Puri</i>

**01:00**

**LUNCH**

**The Atrium**

**PAEDIATRIC RESEARCH PROJECT GRANTS: SESSION 3**

**NCRC Seminar  
Room**

02:15 Dr. John Nolan

Analysis of Extracellular Vesicle-Encapsulated miRNA from High-Risk Neuroblastoma Drug Resistance Models in vitro and in vivo

*PI: Dr Olga Pliskareva*

02:30 Dr. Brona Murphy

Improving and personalising treatment options for paediatric brain tumour patients

*PI: Dr Brona Murphy*

02:45 Prof. Jonathan Bond

Using systems biology to improve the treatment of childhood leukaemia

*PI: Prof Jonathan Bond*

**The Atrium**

**03:00**

**COFFEE**

**POSTGRADUATE PROJECTS: ORAL POSTER PRESENTATIONS 'THESIS IN 3'**
**NCRC Seminar Room**

03:30	<b>Anne Marie Jones</b>	Siblings – the “forgotten mourners” in children’s end of life care. Supervisor: Dr Erna O’Connor	04:10	<b>Matthew McGovern</b>	Sex differences in innate immune function in preterm neonates. Supervisor: Prof Eleanor Molloy
03:35	<b>Cilian ÓMaoldomhnaigh</b>	Neonatal macrophage immune response to tuberculosis infection. Supervisor: Prof Joseph Keane	04:15	<b>Nawal Abdullah</b>	Increased Innate T cells in infants and school-age children with Neonatal Encephalopathy. Supervisor: Prof Eleanor Molloy & Dr Derek Doherty
03:40	<b>Dean Huggard</b>	Increased toll like receptor 2 expression in children with down syndrome. Supervisor: Dr Derek Doherty	04:20	<b>Neidin Bussmann</b>	Left ventricular diastolic function influences right ventricular – pulmonary vascular coupling in premature infants. Supervisor: Dr Afif El-Khuffash
03:45	<b>Gemma Leon</b>	A novel role for IL-36 in the pathogenesis of paediatric inflammatory Bowel Disease. Supervisor: Dr Patrick Walsh	04:25	<b>Nurul Aminudin</b>	Noise exposure in nicu and during neonatal transport: effects and effectiveness of noise protection. Supervisor: Prof Naomi McCallion
03:50	<b>Irene Regan</b>	Are children different to adults? - preliminary data from the paed-m study. Supervisor: Prof Colin McMahon	04:30	<b>Thomas Frawley</b>	Decoding the exosomal proteome in drug resistant neuroblastoma. Supervisor: Dr Olga Piskareva
03:55	<b>Karen Whelan</b>	Inflammatory markers of antipsychotic weight gain and cardiometabolic dysfunction in youth mental health disorders. Supervisor: Prof Louise Gallagher	04:35	<b>Yvonne D'Art</b>	Single dose challenges in the diagnosis and management of cow’s milk allergy in infants. Supervisor: Prof Jonathan Hourihane
04:00	<b>Madeleine Murphy</b>	Prophylactic oropharyngeal surfactant for preterm infants: a randomised trial (the Popart trial). Supervisor: Prof Colm O'Donnell	04:40	<b>Thomas Lefevre</b>	Investigation of the functional interplay between signalling pathways and epigenetic factors in acute leukaemia. Supervisor: Prof Jonathan Bond
04:05	<b>Marta Pisarska</b>	Dysregulated MAIT cell metabolism in obesity – from insulin resistance to increased infection. Supervisor: Dr Andrew Hogan	04:45	<b>Karen Slattery</b>	Does altered metabolism underpin NK cell dysfunction in neuroblastoma? Supervisor: Prof Clair Gardner