



**13th Irish Neonatal Research Symposium**  
**in association with the Irish Perinatal Society**  
**Hyatt Centric Hotel, Dublin**  
**Friday 31st March 2023**

**Programme**

<b>08:30-09:20</b>	<b>Arrival Tea/Coffee/Scones and Meet the Sponsors</b>
<b>09:20</b>	<b>Session 1 - Chairpersons: Prof. Eleanor Molloy/Prof. Eugene Dempsey/Dr. John Kelleher</b>
<b>09:20-09:30</b>	<b>Welcome – Prof. Eleanor Molloy/Prof. Eugene Dempsey/Dr. John Kelleher</b>
<b>09:30-10:40</b>	<b>7 x Original Research Presentations</b>
<b>09:30-09:40</b>	<b>ASSESSMENT OF MYOCARDIAL FUNCTION IN INFANTS OF MOTHERS WITH GESTATIONAL DIABETES MELLITUS USING DEFORMATION IMAGING OVER THE FIRST YEAR OF AGE</b> Dr Aisling Smith, Rotunda Hospital, Dublin
<b>09:40-09:50</b>	<b>TRANSFUSING PLATELETS THROUGH LONG LINES IN NICU: IN-VITRO ASSESSMENT OF SAFETY AND FEASIBILITY</b> Carmel Maria Moore, National Maternity Hospital, Dublin 2, University College Dublin, Belfield, Dublin 4
<b>09:50-10:00</b>	<b>A RANDOMIZED TRIAL OF UMBILICAL OR PERIPHERAL CATHETER INSERTION FOR PRETERM INFANTS ON ADMISSION TO THE NICU</b> Emma Dunne, National Maternity Hospital, Dublin
<b>10:00-10:10</b>	<b>THROMBIN GENERATION IS ENHANCED IN PLATELET-RICH PLASMA IN PRETERM COMPARED TO FULL-TERM INFANTS; THE EVENT STUDY</b> Claire A Murphy, Department of Paediatrics, Royal College of Surgeons in Ireland, Dublin Department of Neonatology, Rotunda Hospital, Dublin, Conway-SPHERE Research Group, University College Dublin, Dublin
<b>10:10-10:20</b>	<b>A RANDOMISED TRIAL OF ROUTINE OR SELECTIVE APPLICATION OF A FACE MASK FOR BREATHING SUPPORT OF PRETERM INFANTS; THE ROSA TRIAL</b> Caitríona Ní Chathasaigh, Neonatal Unit, National Maternity Hospital, Dublin, School of Medicine, University College Dublin, Ireland
<b>10:20-10:30</b>	<b>RANDOMISED PLACEBO-CONTROLLED TRIAL OF EARLY TARGETED TREATMENT OF PATENT DUCTUS ARTERIOSUS WITH PARACETAMOL IN EXTREMELY LOW BIRTH WEIGHT INFANTS – PILOT STUDY (ETAPA PHASE 1)</b> Niamh Ó Catháin, Department of Neonatology, Coombe Women and Infants University Hospital, Dublin, School of Medicine, University College Dublin, Dublin, Ireland
<b>10:30-10:40</b>	<b>THE ACORN PROGRAMME: ESTABLISHING A NEONATAL DEVELOPMENTAL INPATIENT WARD ROUND AT THE NATIONAL MATERNITY HOSPITAL</b> Jo Egan, Physiotherapy, Speech and Language Therapy, Dietitian, Pharmacy, Medical Social Work, Developmental Psychology at Department of Neonatology, National Maternity Hospital, Holles Street, Dublin
<b>10:40-11:10</b>	<b>Guest Lecture: Introduced by Dr John Kelleher</b>  <i>Congenital Diaphragmatic Hernia: the prenatal period as a window of opportunity</i> Prof. Jan Deprest, Professor in Obstetrics and Gynaecology, Research Department of Maternal Fetal Medicine, UCL Institute for Women’s Health (IWH), University College London
<b>11:10-11:40</b>	<b>Tea/Coffee/Display Posters and Meet the Sponsors</b>
<b>11:40-12:40</b>	<b>Session 2 – Chairpersons: Dr Ann Hickey and TBC</b>
<b>11:40-12:10</b>	<b>Guest Lecture: Introduced by Prof. Eleanor Molloy</b>  “Translational research : my journey over the past forty years” Prof. Prem Puri



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12:10-12:40	<p><b>Introduced by: Prof. Eugene Dempsey</b></p> <p><b>What is a realistic clinical benefit when testing a new intervention to improve brain outcomes?</b>  <b>Prof. Gorm Greisen, Professor of Paediatrics/Consultant Neonatologist Affiliated to Department of Neonatology, Juliane Marie Centre and University of Copenhagen</b></p>
12:40-13:45	<b>Lunch</b>
13:45-15:25	<b>Session 3 - Chairpersons: Dr Afif El-Khuffash &amp; Dr Rizwan Khan</b>
13:45-14:55	<b>7 x Original Research Presentations</b>
13:45-13:55	<p><b>INFANT BRAIN FUNCTIONAL MRI – A NEW AWAKENING</b>  <b>Graham King, <sup>1</sup>Trinity College Dublin, Dublin, Ireland, <sup>2</sup>The Coombe Hospital, Dublin, Ireland, <sup>3</sup>The Rotunda Hospital, Dublin, Ireland</b></p>
13:55-14:05	<p><b>NEONATAL ABSTINENCE SYNDROME: A NATIONAL SURVEY</b>  <b>Sean Tamgumus, Department of Neonatology, Rotunda Hospital, Dublin</b></p>
14:05-14:15	<p><b>STANDARDISATION OF PRETERM PARENTERAL NUTRITION IN IRELAND</b>  <b>Ann-Marie Brennan, <sup>1</sup>Department of Clinical Nutrition &amp; Dietetics, Cork University Maternity Hospital, Cork; <sup>2</sup>INFANT Centre University College Cork, Cork</b></p>
14:15-14:25	<p><b>THE EFFECT OF ANAKINRA (IL1 RECEPTOR ANTAGONIST) ON IMMUNE DYSFUNCTION IN INFANTS WITH NEONATAL ENCEPHALOPATHY</b>  <b>Aoife Branagan<sup>1-3</sup>, <sup>1</sup>Discipline of Paediatrics, Trinity College, The University of Dublin, Dublin, Ireland. <sup>2</sup>Trinity Translational Medicine Institute &amp; Trinity Research in Childhood Centre (TRICC), Trinity College Dublin; <sup>3</sup> Paediatrics, Coombe Women and Infants University Hospital, Dublin</b></p>
14:25-14:35	<p><b>REVIEW OF YEAR ONE OF ACORN CLINIC: POST DISCHARGE DEVELOPMENTAL SURVEILLANCE OF VERY LOW BIRTH WEIGHT LOW GESTATIONAL AGE INFANTS</b>  <b>Jo Egan, Physiotherapy, Speech and Language Therapy, Dietitian, Medical Social Work, Developmental Psychology at Department of Neonatology, National Maternity Hospital, Holles Street, Dublin</b></p>
14:35-14:45	<p><b>TWO HANDS ARE BETTER THAN ONE: DELIVERING POSITIVE PRESSURE VENTILATION IN A NEONATAL MANIKIN MODEL</b>  <b>Anne L Murray, Department of Neonatology, Cork University Maternity Hospital, Cork</b></p>
14:45-14:55	<p><b>OPTIMUM CORE TEMPERATURE AND INITIATION OF ACTIVE COOLING AMONG INFANTS WHO RECEIVED THERAPEUTIC HYPOTHERMIA (TH) TREATMENT IN IRELAND</b>  <b>Julie McGinley, National Women and Infant Health Programme (NWIHP), Dublin, National Perinatal Epidemiology, Cork</b></p>
14:55-15:25	<p><b>Guest Lecture: Introduced by Prof. Eugene Dempsey</b></p> <p><b>‘To treat or not to treat a PDA; lessons from the BeNeDuctus Trial’</b>  <b>Prof. Willem P. de Boode, Professor of Neonatology, Radboudumc Amalia Children's Hospital, Netherlands</b></p>
15:25-15:45	<b>Tea/Coffee/Display Posters and Meet the Sponsors</b>
15:45-16:30	<p><b>The Inaugural Henry Halliday Lecture - Introduced by: Tom Clarke</b></p> <p><b>The relevance of oxygen and heart rate in the first five minutes after birth of extremely preterm infants</b>  <b>Prof. Max Vento, Professor of Paediatrics, Chief of the Division of Neonatology University &amp; Polytechnic Hospital La Fe, Director of the Neonatal Research Unit, The Health Research Institute La Fe, Valencia</b></p>
16:30-16:45	<b>Awarding of Research Presentation Awards</b>

**CPD Pending**