Discipline of Paediatrics & Child Health

Annual Report 2014-2015
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Teaching Sites:  Paediatrics, Trinity Centre for Health Sciences Building, Tallaght Hospital, Dublin 24
Our Lady’s Children’s Hospital, Crumlin, Dublin 12
Children’s University Hospital, Temple Street, Dublin 1
The Coombe Women and Infants University Hospital, Cork Street, Dublin 8

Head of Discipline: Professor Eleanor Molloy

Academic and Teaching Staff:
Dr Judith Meehan  Dr Nehad Metwally  Dr Murwan Omer  Prof Edna Roche
Prof Eileen Treacy  Mr John Caird  Dr Basil Elnazir  Dr Stanley Koe
Dr Michael Capra  Prof Hilary Hoey  Dr Declan Cody  Dr David Coleman
Dr Ethna Phelan  Dr Corrina McMahon  Mr Fergal Quinn  Dr Brendan O’Hare
Dr Rosemarie Manning  Dr Peter Greally  Dr Colin McMahon  Prof Paul McNally
Dr David Coghlan  Mr John Gillick  Dr Emma Curtis  Dr Ciara McDonnell
Dr Aideen Byrne  Dr Grainne O’Regan  Dr Angela Byrne  Dr John Kelleher
Dr Aisling Snow  Prof Jan Miletin  Dr Brian Sweeney  Dr Patrick Gavin
Dr Denis McDonald  Dr David Corcoran  Dr Sean Walsh  Prof Aengus O Marcaigh
Dr David Webb  Dr David Orr  Dr Shoana Quinn  Dr Ciara Martin
Elaine O’Mullane  Fiona McGrane  Dr Turlough Bolger  Prof Carlos Blanco
Dr Margaret Sheridan-Pereira  Mr Ganapathy Lakahanadass

Executive Officers
Ms Sioban Tynan-O’Mahony  Ms Sandra Kenny  Ms Anna Lambe
Publications
Peer-reviewed papers

1. Donnelly JMT, Lindsay KL, Walsh JM, Horan MK, Molloy EJ, McAuliffe FM. Foetal metabolic influences of neonatal anthropometry and adiposity. BMC Paediatrics 2015; 15:175


5. Onwuneme C, Uduma O, Brady J, McCarthy R, McKenna M, Murray B, Murphy N, Molloy E. Correction of Vitamin D Deficiency in a Cohort of Newborn Infants Using Daily 200 IU Vitamin D Supplementation. Irish J Medical Science 2015 on line publication


42. Jensen RB, Thankamony A, O'Connell Sm, Roche EF, et al, A randomised controlled trial evaluating IGF1 titration in contrast to current GH dosing strategies in children born small for...


63. Snow AL, Uller W, Kim HB, Alomari Al, Percutaneous embolization of a chylous leak from thoracic duct injury in a child., 2014


84. Crowe S. Finding a Place for Grief in the Workplace. Anesthesiology V122; No 2 465 467 February 2015


104. Dharg R, McMahon CJ. Response to “Biventricular noncompaction hypertrophic cardiomyopathy in association with complete heart block and type 1 mitochondrial disorder”.Cardiology Young 2015

105. McMahon CJ, Morgan C, Osliizlok P, Walsh KP. Transcatheter stenting of right ventricular outflow tract obstruction augments pulmonary arterial growth in children with right ventricular outflow tract obstruction with hypoplastic branch pulmonary arteries and hypercyanotic spells. Cardiol Young

Published Abstracts


2. Nicholas AK, Jaleel S, Schoenmakers E, Dattani M, Roche E, Chatterjee VK, Schoenmakers N, Congenital central hypothyroidism due to a TSHB mutation with uniparental inheritance, 42nd Annual meeting of the British Society for Paediatric Endocrinology and Diabetes, Winchester, UK, 12-14 November 2014


5. George S, Hoey HMCV, Costigan C, Murphy N, Roche EF, O’Riordan SMP. Improved Health-related Quality of life with insulin therapy in children with cystic fibrosis related diabetes: a prospective Cohort study, hormone Research in Paediatrics, ESPE 53rd Annual Meeting, convention Centre Dublin, 18-20 September 2014


12. M Dominguez, J Lucey, I Okafor, R McNamara, S Deritani, R Rush, R Cunney, K Butler, P Gavin. Improving diagnosis and management of streptococcal tonsillitis/pharyngitis in the emergency department: education alone is not enough. Abs 841. 32nd Annual Meeting of ESPID. Dublin. May 2014


27. Walsh A, Martin A., Miletin J. The Outcome of Triplets and Quadruplets Born in a Single Level III Centre over a 10 Year Period. The 5th Congress of the European Academy of Paediatric Societies 2014, Barcelona, Spain. (poster presentation)


35. Walsh A, Martin A., Miletin J. The Outcome of Triplets and Quadruplets Born in a Single Level III Centre over a 10 Year Period. The 5th Congress of the European Academy of Paediatric Societies 2014, Barcelona, Spain. (poster presentation)


**Book chapters:**

Presentations/Conferences/Meetings/Invited speaker

Professor Eleanor Molloy
Translational Neonatology, Translational Paediatrics and Child Health Forum, TCD 2015

Targeting inflammation in Neonatal Brain injury: MSc Immunology course & Biochemical Society, TCD 2015

Congenital Diaphragmatic Hernia: antenatal and immediate postnatal care: Extracorporeal life support (ECMO) study Day, Dublin 2015

Work-life balance: the myth: Biosoc, Trinity College 2015

Perinatal and Neonatal Palliative Care, Irish context and Chairperson, Masterclass, RCPI 2015

Vitamin D and implications for Neonatal and infant disease. National Children’s Hospital Grand rounds, Dublin 2015

Neonatal Brain injury and Systemic inflammation, National Children’s Research Centre 2015

Paediatric Research in 2025, Irish Paediatric Association of Anaesthetic and Critical Care 2015

Cutting edge: How to translate research into clinical practice. Neonatal discussion Forum, Wales, UK 2015

Workshop: Co-leader: How to get published, Pediatric Academic Societies, San Diego 2015

How to start a research project: Specialist registrar Training day, Paediatrics, RCPI 2015

Recent Advances in Neonatology, Chair, Wurzburg, 2014, European Society of Paediatric infectious Diseases (ESPID), Local organizing committee, Meeting Dublin 2014

Achieving improved outcomes in Neonatology—a Practical Approach Cardiff & Dublin 2014

The Development of the Preterm Neonatal Immune System and New Evidence on the Role of Vitamin D. Satellite symposium on the ongoing Global Challenge of RSV infection: emerging interventions against RSV. 32nd Annual Meeting of the European Society for Paediatric Infectious Diseases 2014, Dublin.

Diagnostic evaluation of neonates with early onset sepsis. Recent Advances in Neonatal Medicine 2014, Wurzburg, Germany

The Neonate and the Neutrophil, Spring North Yorkshire Neonatal Discussion Forum, UK 2014

Professor Eileen Treacy

Invited Speaker: Metabolic Study Day, Croke Park, Dublin, April 22nd, 2015. Chairperson Dr. AA Monavari. Title: ‘Galactosaemia’

Invited Speaker: ‘Mind the Gap’ Endocrinology meeting, Herbert Park Hotel, April 24th, 2015. Title: ‘Developing a model of care for rare diseases, the role of the rare diseases office’.

Speaker at launch of National Rare Diseases Office, June 4th 2015 at Mater Misericordiae University Hospital.

Co-Chair for European Galactosaemia 2015 meeting, Barcelona, Spain, June 5th, 2015

Invited speaker: ‘Galactosaemia, the unfolding story’. British Inherited Metabolic Diseases Group, Belfast, June 19th, 2015


Invited speaker: European Galactosaemia Network annual meeting at SSIEM, Lyon September 3rd, 2015. ‘The emerging role of European Reference Networks’.

Invited speaker. Europlan II, National Rare Diseases meeting, Round table discussion, Alexander Hotel, Dublin. September 7th 2015. ‘Centres of Expertise and European Reference Networks’.

Invited Chairperson. The All Ireland Mucopolysaccharidosis (MPS) Conference, 12th September 2015, Clarion Hotel, Liffey Valley


Invited Speaker: Rare Diseases Day : Genetic and Rare Diseases Organisation (GRDO) briefing on Rare Diseases, Mansion House, Dublin, Feb 26th 2014.

‘The National Rare Diseases Clinical Programme’.
Invited Presentation: to Oireachtas Joint Committee on Health and Children. Chairman Mr. Jerry Buttimer. Feb 27th, 2014. ‘Rare Diseases in Ireland’


Invited Speaker: ‘Galactosaemia: Best Practice in Ireland’.


Professor Hilary MCV Hoey
Hot topics in paediatric endocrinology, European Paediatric Association Florence 13-16 May 2015

Optimizing Metabolic Control and Quality of Life in children and adolescents with diabetes. Irish Diabetes Association November 2015

Lessons Learned from the Hvidoere Study Group on Management of Childhood Diabetes. British Paediatric Endocrine Society November 2014 Winchester UK
Genetic Markers of insulin Resistance are associated with GH Response in Short SGA Children: the North European SGA Study, Hormone Research in Paediatrics, ESPE 53rd Annual Meeting, Convention Centre Dublin, 18-20 September 2014,

Improved Health-related Quality of life with insulin therapy in children with cystic fibrosis related diabetes: a prospective Cohort study, Hormone Research in Paediatrics, ESPE 53rd Annual Meeting, convention Centre Dublin, 18-20 September 2014

The Effect of Long term GH Therapy in Discordant Twins where one twin is born small for gestational age: A case control study, Hormone Research in Paediatrics, ESPE 53rd Annual Meeting, Convention Centre Dublin, 18-20 September 2014

**Professor Edna Roche**
An assessment of the hypothalamic-pituitary-adrenal axis in children with prader-willi syndrome (PWS), endocrine Abstracts, 43rd Annual meeting of the British Society for Paediatric Endocrinology and Diabetes, Sheffield, UK, 25-27 November 2015,

Edna Roche “Extreme obesity in childhood” Faculty of Paediatrics, Royal College of Physicians of Ireland (RCPI), Autumn Conference Friday October 10th 2014

Edna Roche “Assessment of Obese children and obesity co-morbidities using the OSCA guidelines” Royal College of Paediatrics and Child Health (RCPCH), London, 24th October 2014

Edna Roche “Meet the Expert” symposium “the challenges of extreme obesity” 53rd Annual Meeting of the European Society for Paediatric Endocrinology, Convention Centre Dublin, 18th - 20th September 2014

Edna Roche “Update on the incidence and current trends of diagnosis of type 1 diabetes in young children in Ireland” Diabetes Ireland, Paediatric Study Day, Crowne Plaza Hotel, Northwood, Santry, Friday 23rd May 2014

Edna Roche, Russell Viner and OSCA, Progressing Paediatrics Workshop “Managing Childhood Obesity”, 24th October 2014

Edna Roche, Meet the Expert- The Challenges of Extreme Obesity, ESPE 53rd Annual Meeting, Dublin, 18-20 September 2014 Conference Paper

**Dr Judith Meehan**


**Dr Victoria McEneaney**
A Dias, M Alhashemi, ER Dorris, P Smyth, M Flanagan, V McEneaney, Novel Strategies in the Management of Anaplastic Thyroid Carcinoma, IRISH JOURNAL OF MEDICAL SCIENCE, Royal Academy of Medicine, 181, 2015, Poster, 2015

Victoria McEneaney, TCD Medical Applications in EU FP7 Project PASCA - Platform for Advanced Single Cell Analysis, 3rd PASCA Review Meeting, Freiburg, Germany, 7th/8th May, 2014 Invited Talk, 2014

**Meetings organised:**

**Professor Eleanor Molloy**
National Neonatal Research Symposium, Neonatal Neurology Meeting, November 2015, RCPI
Christian Speer, Marianne Thoresen, Nikki Robertson

Neonatal Immunology meeting, November 2014, RCPI, Prof Luke O’Neill, Prof Hourihane, Dr. D Dowling, Prof Ofer Levy,

TCD Translational Paediatrics and Child Health meeting, 2015

REACH club, Research in Child Health and Paediatrics Club, Meetings weekly in NCH, OLCH, NMH, CWIUH, Rotunda, NMH 2015

Paediatric Research and Audit Symposium, Our Lady’s Children’s Hospital, 2014, 2015

**Professor Hilary MCV Hoey**
Annual Scientific Meeting of European Society for Paediatric Endocrinology Dublin attended by 3600 delegates September 2014

**Dr Judith Meehan**
REACH club, Research in Child Health and Paediatrics Club, Meetings weekly in NCH, OLCH, NMH, CWIUH, Rotunda, NMH 2015

**Dr Victoria McEneaney**


**Funding**

**Professor Eleanor Molloy**
National Children’s Hospital Foundation. PROSPER study 2015. Pl. €300,000

Health Research Board HRA Grant. NIMBUS study. 2015 Pl. €328,000

National Children’s Hospital Fund. CHAMPION study Childhood multiorgan outcomes after Neonatal encephalopathy. Co-PI Dr. Denise McDonald; 2015. €150,000
HRB Ireland Perinatal Clinical Trials Network 2015: Co-Principal Investigator. €2.5 million

The sensitivity and specificity of miRNAs as biomarkers of neonatal seizures. PI Dr. Eva Jiminez. RCSI. SFI Starting Investigator Research Grant (SIRG) programme. € 519,636. Collaborator E Molloy

HPA axis changes during the first year of life in babies born to depressed and non-depressed women 2014-2017 €176,178 National Children’s Research Centre (NCRC) .PI Prof O’Keane. Collaborator E Molloy

An investigation of the effects of maternal depression during pregnancy on the baby’s HPA axis and development during the first year of life 2013-2016 €329,382 Health Research Board (HRB) . PI Prof O’Keane. Collaborator E Molloy

Professor Eileen Treacy
January 2013- July 2016. Principal Investigator. MRCG-HRB grant: ‘Galactosaemia, a modifiable multi-system glycosylation disorder?’ €179,000. (Co-applicants, Peter Doran, Pauline Rudd and Ina Knerr).


Academic Activities
Professor Eleanor Molloy
Thesis Supervisor:


PhD: Dr. Aoife Twohig. Infant attachment in the NICU (PIPPA). Co-PI: Prof. Fiona Mc Nicholas. Funding NCRC 2011-2016 UCD (Part-time)

PhD: Dr. Jean Donnelly. ROLO followup study; ROLO Kids: PI Prof McAuliffe: Co-PI E Molloy. 2012-6; Funding FP7 grant, HRB & RCSI. UCD

PhD: Dr. Saima Saleemi. Persistent systemic inflammation in Neonatal Encephalopathy. 2013-6. PI EM. RCSI

PhD: Dr. Zunera Zareen: CHAMPION study Childhood multiorgan outcomes after Neonatal encephalopathy. Co-PI Dr. Denise McDonald; 2014-7. TCD

PhD: Dr. Murwan Omer: PRISM: PREterm Infection and SysteMic inflammation and neonatal outcomes. TCD 2014-7 : PI EM
Professor Edna Roche
MD Dr Aisling Snow. Developing a National Reference Range for Paediatric Bone Density, Awarded 2014

MD Dr Anne Doolan. PREFAB Preterm fat and biomedical outcomes. The body composition of the term and preterm infant. Co-supervisor with Dr Margaret Sheridan. Submitted 2015.


MD Dr Nehad Metwally. Evaluation of Diabetes related Complications and Endothelial Dysfunction in Adolescents with Type1 Diabetes (for submission 2016)

National and International Representation and Collaboration

Prof Eleanor Molloy:
European Paediatric Association (EPA-UNEPSA), Liaison Officer, Ireland 2015
Executive Committee, Academic Paediatric Association, UK & Ireland 2015
MRCPI, Convener, OLCH 2015
Investigator, PPD Paediatric investigators Network 2015
Executive Management committee, HRB Perinatal Clinical Trials Network 2015
Research Committee, School of Medicine, Trinity College Dublin 2015
President, Irish Neonatal Society, Founder member 2015
Academic Advisory Working Group, National Paediatric Hospital 2015
Children’s Research Forum, Trinity College Dublin 2014
Chairs of Irish Departments of Paediatrics group: CHILD 2014
Council, National Children’s Research Centre 2014
Scientific Review Group member, Temple Street Children’s University Hospital 2014
Academic advisor, Committee Member, Irish Paediatric Association 2014
Clinical Advisory Group National Clinical Programme for Rare Diseases, RCPI 2014

Professor Hilary MCV Hoey
Director of Professional Competence Royal College of Physicians of Ireland.
Board member and Immediate past Dean of the Faculty of Paediatrics RCPI.
Council Member of the Royal College of Physicians in Ireland.
Chairman Education and Professional Development Committee RCPI
Member Forum of Postgraduate Training Bodies Ireland
Chairman Diabetes Ireland
Council Member and Trustee Royal College of Paediatrics and Child Health UK
Past President of the European Society for Paediatric Endocrinology 2013-14.
Member RCPI Obesity Policy working group on prevention and management
Member of the Development Board of the New National Paediatric Hospital in Ireland
Steering Committee Member of the Hvidoere International Study Group on Diabetes in Children and Adolescents.
Steering Committee Member Irish National Paediatric Diabetes Register
Steering Committee Member of the North European Small for Gestation Age Study Group.
Council Member European Paediatric Association/UNEPSA
Member of the Revalidation and Professional Competence Committee of the Academy of the Royal Medical Colleges UK and Ireland
Member European CME Forum
Member of the International Academy for CPD Accreditation
Member US Society of Academic CME
Member of the Board of the Adelaide Hospital Society
Member National Children’s Foundation
Member of the National Children’s Hospital Foundation Research Committee
Member Research Committee The Children’s University Hospital Temple St
Examiner RCPI, Undergraduate and postgraduate students including MD, PhD and MSC theses at Trinity College Dublin, Universities of Galway, and University of Limerick.

**Professor Edna Roche**
Chair, Nutrition Council of the Irish Heart Foundation
Director, Irish National Register for Children with Down Syndrome
Director, Irish childhood National Diabetes Register
Chair of Steering Group, Irish childhood National Diabetes Register
Member of the Clinical Advisory Group (CAG) Faculty of Paediatrics Royal College of Physicians of Ireland (2012 – date)
Member Faculty of Paediatrics (RCPI) nominee to the Physical Activity Policy Group, Royal College of Physicians of Ireland 2015
Member of the Health Service Executive (HSE) Working Group on Paediatric Diabetes (2011-date)
Member, Steering Group of Down Syndrome Medical Interest Group UK and Ireland (DSMIG)
Member of OSCA (Obesity Services for Children and Adolescents) Network Group, UK and Ireland, supported by the Royal College of Paediatrics and Child Health
Member of the World Health Organisation (WHO) Eurodiab Group, international group responsible for epidemiological research in Type 1 diabetes.
North European Small for Gestational Age Study (NESGAS) multicentre international study of growth hormone therapy in those born small for gestational age with University of Denmark, Cambridge, Manchester, Sweden
International Outcome Study of Growth Hormone therapy
HVIDORE International Diabetes Study Group - Member of the Hvidore Study Group an international group of paediatric endocrinologists /diabetologists covering paediatric centres from 18 countries across Europe, Japan and North America.