Children’s Research Centre
Our Lady’s Children’s Hospital, Crumlin

Annual Report

2008

Professor Prem Puri
Director of Research
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# CHILDREN'S RESEARCH COUNCIL

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<thead>
<tr>
<th>Position</th>
<th>Name</th>
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<tr>
<td>Chairman:</td>
<td>Mr. Shane Molloy</td>
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<td>Members of the Council:</td>
<td>Mr. A.D. Barry</td>
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<td>Mr. D.E. Doran</td>
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<td>Professor B. Drumm</td>
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<td>Professor C. Feighery</td>
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<td>Professor B. Harvey</td>
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<td>Mr. M.J. Hawkshaw</td>
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<td>Prof. D. Kelleher</td>
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<td>Dr. J. Kelleher</td>
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<td>Mr. G. Little</td>
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<td>Dr. M. McDermott</td>
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<td>Mr. M. Lyons</td>
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<td>Professor P. Puri</td>
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<td>Professor W. Powderly</td>
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<td>Director of Research:</td>
<td>Professor Prem Puri</td>
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<td>Research Laboratory Manager:</td>
<td>Ms. Yvonne Williams</td>
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### Invited Speaker/Guest Lecturer to International Meetings

**Professor Prem Puri**

- **Invited Lecturer**, 9th International Paediatric Surgical Week, Kuhtai, Austria
- **Invited Lecturer**, Research Institute, Aiku Maternal & Children’s Medical Centre, Tokyo, Japan
- **Invited Lecturer**, Paediatric Urolgy Meeting, Graz, Austria
- **Invited Lecturer**, 26th National Turkish Association of Paediatric Surgeons Congress, Istanbul, Turkey
- **Invited Speaker**, 15th International Pediatric Colorectal Club Meeting, Salamanca, Spain
- **Invited Speaker**, BAPS Experimental Research Club Meeting, 55th Annual International Congress of the British Association of Paediatric Surgeons
- **Invited Speaker**, Workshop on Stem Cell Application, AIIMS, New Delhi, India
- **Invited Lecturer**, 10th Jubilee Conference of the Baltic Association of Paediatric Surgeons, Kaunas, Lithuania
- **Visiting Professor**, Emory Children’s Center, Atlanta, USA
- **Invited Lecturer**, Stephen L. Gans Lecture, American Academy of Pediatrics Annual Conference, Boston, USA
- **Guest Speaker**, “Suruga Lecture”, 21st Biennial Scientific Meeting of the Asian Association of Pediatric Surgeons, Bangkok, Thailand

**Professor Alan Irvine**

- **Invited Lecturer**, 5th Georg Rajka International Symposium on Atopic Dermatitis, Kyoto, Japan
- **Invited Lecturer**, American Academy of Dermatology, San Antonio, USA
- **Invited Lecturer**, International Conference on Ectodermal Dysplasias, Charleston, South Carolina, USA
**Professor Owen Smith**

Special Guest Presentation, Angiogenesis and Childhood Cancer Dublin, Angiogenesis Foundation Board, Cambridge Massachusetts, USA

**Dr Marion Rowland**

Invited Speaker, British Pediatric Gastroenterology Meeting, Southampton, UK.

Invited Speaker, Australia Gastroenterology Association Meeting, Brisbane Australia
INVITED SPEAKER/GUEST LECTURER TO IRISH MEETINGS

Dr Sally Ann Lynch

Invited Lecturer, Cleft lip and Palate study day “The Journey of Care from Birth to Adulthood”, Hilton Hotel Charlemont, Dublin

Dr Eleanor Molloy


Invited Speaker, Shaw and Modern Immunology, UCC Medical Alumni Meeting, Cork

Dr Marguerite Clyne

Invited speaker, The interaction of Helicobacter pylori with trefoil peptides, Dept of Microbiology NUI, Departmental Seminars, Cork
HONOURS AND AWARDS

Professor Prem Puri

- **Honorary Fellowship**, of the American Academy of Pediatrics
- **Honorary Citizenship**, of the City of Salamanca for outstanding contribution to Paediatric Surgery

Dr Marguerite Clyne

- Co-principal applicant on Science Foundation Ireland, Strategic Research Cluster Award.
- Glycoscience Research Cluster: Characterizing and mining the epithelial glycosylation in host-microbial interactions.

Professor Billy Bourke

- **Honorary Associate Professorship**, University of Banat, Timisoara, Romania
Professor Prem Puri

1. “Paediatric Surgery: Diagnosis & Management”
   Editors: P. Puri and M. Hollwarth

2. "Hirschsprung's Disease and Allied Disorders"
   Editors: A.M. Holschneider and P. Puri
1. **The Development of the Enteric Nervous System**  
P. Puri and U. Rolle  
In: Hirschsprung’s Disease and Allied Disorders – 3rd Edition  

2. **Pathophysiology of Classical Hirschspurng’ Disease**  
P. Puri and S. Montedonico  
In: Hirschsprung’s Disease and Allied Disorders – 3rd Edition  

3. **Hirschsprung’s Disease: Clinical Generalities**  
P. Puri and S. Montedonico  
In: Hirschsprung’s Disease and Allied Disorders – 3rd Edition  

4. **Enterocolitis Complicating Hirschsprung’s Disease**  
F. Murphy, M. Menezes and P. Puri  
In: Hirschsprung’s Disease and Allied Disorders – 3rd Edition  

5. **NADP-Diaphorase Histochemistry**  
U. Rolle and P. Puri  
In: Hirschsprung’s Disease and Allied Disorders – 3rd Edition  

6. **Immunohistochemical Studies**  
U. Rolle and P. Puri  
In: Hirschsprung’s Disease and Allied Disorders – 3rd Edition  

7. **Intestinal Neuronal Dysplasia**  
A.M. Holschneider, P. Puri and L.Homrighausen  
In: Hirschsprung’s Disease and Allied Disorders – 3rd Edition  

8. **Megacystis-Microcolon-Intestinal Hypoperistalsis Syndrome**  
P. Puri  
In: Hirschsprung’s Disease and Allied Disorders – 3rd Edition  

9. **Swenson’s Pull-Through Procedure**  
P. Puri  
In: Hirschsprung’s Disease and Allied Disorders – 3rd Edition
10. **Variant Hirschspung’s Disease**  
   P. Puri  
   In: Hirschsprung’s Disease: Diagnosis and Treatment  

11. **Pathophysiology of Hirschsprung’s disease**  
   P. Puri  
   In: Hirschsprung’s Disease: Diagnosis and Treatment  

12. **Birth Injuries**  
   P. Puri  
   In: Neonatal Injuries  

13. **Vesicoureteral Reflux**  
   P. Puri  
   In: Oxford Handbook of Paediatric Surgery  

14. **Haematology Problems**  
   Smith OP  
   In: Paediatric Surgery: Diagnosis and Management. Springers, December 2008-ISBN.  
   (Ed: Puri P, Hollwarth M)

15. **Asperger’s disorder**  
   Fitzgerald M  

16. **Gallbladder disease.**  
   Broderick A, Thambipillai S.  
   In: Walker’s Pediatric Gastrointestinal Disease 5th Ed. 2008 BC Decker Inc Hamilton  
   (Ed: Kleinman RE, Sanderson IR, Goulet O, Sherman PM, Miel-Vergani G, Shneider BL.)

17. **Overview of Hepatitis B Virus infection in Children**  
   Broderick A, Jonas M M.  
   In: UptoDate 2008 Ed Basow D, UptoDate Waltham, MA
18. **Helicobacter pylori and peptic ulcer disease**  
   Rowland, M., Bourke, B., Drumm, B.  
   In Pediatric Gastrointestinal Disease Pathophysiology, Diagnosis Management  

19. **Gastritis and peptic ulcer disease**  
   Rowland M, Drumm B, Bourke B.  
   In: Kleinman, Sherman, Goulet, Mieli-Vergani et al  
   (Eds. Pediatric Gastrointestinal Disease, Mosby, St. Louis, MO 2008)
Professor Prem Puri


20. **Puri P.**


22. **O’Donnell AM, Puri P.**

23. **Rolle U, Brylla E, Tillig B, Chertin B, Cascio S, Puri P.**

**Dr Sally Ann Lynch**


Dr Michael McDermott


Professor Michael Fitzgerald


40. McLean WHI, Palmer CAN, Henderson J, Kabesch M, Weidinger S, Irvine AD. Filaggrin variants confer susceptibility to asthma. Journal of Allergy and Clinical Immunology 2008 121:1294-5 (letter)


Dr Annemarie Broderick.


**Professor Esmond Fogarty.**


**Dr Eleanor Molloy.**


54. O'Rourke DJ, El-Khuffash AF, Moody C, Walsh K, Molloy EJ. Early identification of Patent Ductus Arteriosus by Serial Echocardiography may be associated with Reduced Morbidity in Preterm Infants. Acta Paediatrica 97, 2008, 574-8

56. EL-Khuffash A, Barry D, Amoruso M, Walsh K, Molloy EJ. Biochemical markers may identify preterm infants with a patent ductus arteriosus at high risk of death or severe intraventricular haemorrhage. Arch Dis Child Fetal Neonatal Ed, 93, 2008, F407-12.


63. Molloy EJ. Are elevated peripheral leukocytes markers of septic etiology in asphyxiated infants with neurological disability? J Perinatol 28, 2008, 85

64. O’ Hare FM, Molloy EJ. What is the best treatment for hyperkalaemia in a preterm infant? Arch Dis Child 93, 2008, 174-6


Dr Anne O’Meara


Mr Ronan O'Sullivan


Dr David Webb


77. Leahy TR, Webb DW, Hoey H, Butler KM. Varicella Zoster virus associated acute aseptic meningitis without exanthm in an immunocompetent 14 year old boy. Ped Inf Dis J 2008:Apr 27(4);362-3

Professor Raymond L. Stallings


Professor Owen Smith


Dr Marguerite Clyne


Dr Brendan O'Hare

Dr Marion Rowland


Professor Billy Bourke


PRESENTATIONS AT MEDICAL AND SCIENTIFIC INTERNATIONAL MEETINGS


- **Bannayan-Riley-Ruvalcaba Syndrome: a common cause of extreme macrocephaly and neurodevelopmental delay**
  Lynch N K, Lynch S A, McMenamin J, Webb D

- **Audit of Emergency Management of Status Epilepticus**
  Tirupathi S; Webb D, McMenamin J

European Society of Clinical Microbiological Infectious disease (ESCMID) April 2008, Barcelona, Spain

- **Low incidence of congenital Cytomegalovirus (cCMV) infection in a large Maternity Hospital in Ireland**
  CF de Gascun, M Boyle, G Harrison, A Waters, J Connell, EJ Molloy, SJ Knowles, WW Hall.
Pediatric Academic Societies & Asian Society for Pediatric Research Joint Meeting, Hawaii, USA, May 2008

- Combined Administration of Indomethacin and Dexamethasone Increases Intestinal Toll-Like Receptor 4 Expression in Neonatal Rat Model of Necrotizing Enterocolitis Induced by Platelet-Activating Factor
  R. Nakano, P Puri

Society for Pediatric Research/Pediatric Academic Society, Hawaii, USA, May 2008

- Cool it!! Who is excluded from hypothermia trials for Neonatal Encephalopathy.
  Boyle M, Twomey A, Harrison G, Davis P, Molloy EJ.

- Successful extubation rates in preterm neonates
  Cox D, Molloy EJ, McCallion N.

American Thoracic Society International Conference Toronto, Canada May 2008

- Diagnostic field of ciliary brushing in paediatric diagnosis of Primary Ciliary Dyskinesia
  Blackburn C, Cottell D, Canny G

Euro-Care Cystic Fibrosis Conference, Hannover, Germany, May 08

- Recurrent Pancreatitis - a manifestation of Cystic Fibrosis?
  Healy F, Broderick A M, Canny G
  (Dr Healy awarded prize for presentation)

Association of Anaesthetists of Great Britain and Ireland, London UK May 2008

- Is APLS right? A Pilot Study to Assess the Best Anatomical Measurement for Estimation of Appropriate Length of a Nasopharyngeal Airways
  Bailie RK, Mannion D, Russell J, Hone S, O'Hare B

9th European Congress Of Paediatric Surgery, Istanbul, Turkey, June 2008

- Postnatal Administration Of Dexamethasone Upregulates Toll-Like Receptor 4 And 5 Expression In The Newborn Lung
  Nakano R, Doi T, Puri P

- Prenatal Retinoic Acid Upregulates Pulmonary Gene Expression Of Coup-Tfii, Fog2 And Gata4 In Pulmonary Hypoplasia
  Doi T, Sugimoto K, Puri P
- **Vesicoureteral Reflux In Complete Ureteral Duplication: Results Of Endoscopic Treatment**
  Nochiparambil M, Puri P

- **Altered Expression Of Toll-Like Receptor 4 In Congenital Vesicoureteral Reflux Of Children**
  Oberritter Zs, Rolle U, Somogyi R, Juhasz Zs, Vajda P, Puri P

- **New Insights Into The Neuromuscular Characteristics Of The Ileocaecal Valve**
  Cserni T, O’Donnell A M, Paran S, Puri P

- **Development Of Inhibitory Neurotransmission In The Chick Embryo Cloaca**
  O’Donnell A M, Puri P

**American Society for Microbiology. 108th General Meeting. Boston, USA, June 2008**

- **A Novel Model System to Investigate the Role of the Intestinal Mucin MUC2 in Mediating Enteric Pathogen Mucosal Interactions.**
  McNally S, Clyne M, Carrington S, Reid C

- **Mannose and Glucose Residues Expressed on Helicobacter pylori Lipopolysaccharide Mediate Binding to the Trefoil Peptide TFF1.**

**European Cystic Fibrosis Conference, Prague, Czech Republic, June 2008**

- **Management dilemma of Renal Calculi in cystic fibrosis**
  Healy F, Waldron M, Quinn F, Canny G

**15th International Paediatric Colorectal Club Meeting, Salamanca, Spain, July 2008**

- **GDNF/RET Signalling in Vagal Neural Crest-Derived Neurons of the Chick Embryo Cloaca.**
  A M O’Donnell, P. Puri

- **Deficient \(\alpha\)-Smooth Muscle Actin as a cause of functional intestinal obstruction in childhood.**
  AM O’Donnell, T. Doi, M. Hollwarth, P. Kalicinski, P. Czauderna, P. Puri

- **HNF3\(\beta\) Gene Expression in the Embryonic Gut Using Optical Projection Tomography.**
  P. Hajduk, H. Sato, P. Murphy, P. Puri
BAPS 55th International Congress, Salamanca, Spain, July 2008

- Cholinergic Innervation In The Developing Chick Cloaca And Colorectum
  A m O’ Donnell, P Puri

- Upregulation Of Coup-Tfii Gene Expression In The Nitrofen Induced Hypoplastic Lung
  T Doi, K Sugimoto, P Puri

- Altered Expression Of Shh And Foxf1 Genes In The Notochord Of Adriamycin Mouse Model
  H Sato, P Murphy, P Hajduk, S Giles, J Bannigan, H Takayasu, P Puri

- Does The Length Of The History Influence The Outcome Of Pneumatic Reduction f Intussusception In Children?
  F Tareen, S Ryan, S Avanzini, P Puri

ISEH: International Society for Experimental haematology & stem cell research, Boston, USA, July 2008

- Neonatal neutrophil Triggering Receptor Expressed on Myeloid cells (TREM)-1 expression is hyporesponsive to Lipopolysaccharide (LPS) & E. coli.
  Molloy EJ, Gomez JC, Soltys JK, Richer SE, Rebert NA, Doerschuk CM.

European Society for Paediatric Research, Nice, France September 2008

- Cool it!! Who is excluded from hypothermia trials for Neonatal Encephalopathy.
  Boyle M, Twomey A, Harrison G, Davis P, Molloy EJ.

- Low Fibrinogen is associated with Severe Intraventricular Haemorrhage in VLBW infants.
  M White, T O’Carroll, J FM Murphy, E Molloy.

- Cardiac Troponin T and N-terminal-pro-B type Natriuretic Peptide Reflect Myocardial Function in Preterm Infants.
  El-K huffash A, Davis PG, Walsh K, Molloy EJ.

- Biochemical Markers may identify Preterm Infants with a Patent Ductus Arteriosus at High Risk of Death or Severe Intraventricular Haemorrhage.
  El-K huffash A, Davis PG, Walsh K, Molloy EJ.
- Survival of Infants with Congenital Diaphragmatic hernia in Ireland following admission to the Tertiary Paediatric Surgical Centres. Chukwu J, Iro C, McCallion N, Quinn F, Molloy EJ.

- Patent Ductus Arteriosus Ligation in Very Low Birth Weight Infants in Ireland: How safe is it?. Shukla PJ, El Khuffash A, Walsh K, Molloy EJ.

- Congenital Cytomegalovirus: detection and outcome in symptomatic neonates. Harrison G, Degascun C, Boyle M, Knowles S, Molloy EJ.

- Management of infants at risk of Congenital Syphilis. Olatundun Owoeye C, Knowles S, Molloy EJ.

- Relationship between Vitamin D and alkaline phosphatase levels in Very Low Birth Weight Infants. McCarthy R, McCallion N, Molloy EJ.

- Hydrops Fetalis: Antenatal Diagnosis and postnatal outcomes. Pitan C, Molloy EJ, McParland P, O’Carroll T, Thomas M.

- Absence of Cerebrospinal leukocytosis does not exclude neonatal meningitis. Abu Ismail; Matheson M, Knowles S, Molloy EJ.

- The use of a modified immature-to-mature neutrophil ratio in the diagnosis of Late-onset Sepsis in Very Low Birth weight Infants. O’Carroll C, El-Khuffash A, Knowles S, Abu Ismail, Walsh M, Molloy EJ.

**Canadian Campylobacter Conference. Montreal, Canada, September 2008.**

- Campylobacter jejuni demonstrates increased pathogenicity when infecting mucus secreting cells. Bourke B.

**American Academy of Pediatrics 2008, Surgery Section, Boston, USA, October 2008.**

- Upregualtion of Slit-2 and Slit-3 Gene Expressions in the Nitrofen Induced Hypoplastic Lung. T. Doi, K. Sugimoto, P. Puri

- Upregulation of FOXA2 Gene Expression in the Nitrofen induced Hypoplastic Lung. P. Hajduk, T. Doi, N. Nakazawa, P. Puri

- Linkage Analysis of Candidate Genes in Families with Vesicoureteral Reflux
P. Puri, H. Kelly, D. Barton, C. Molony

- Familial Vesicoureteral Reflux: Is Screening Beneficial
  M. Menezes, P. Puri

21st International Symposium of Pediatric Surgical Research, Leipzig, Germany October 2008

- Vagal Neural Crest Provides Inhibitory Neurotransmission to the Chick Embryo Cloaca
  AM. O’Donnell, P. Puri

- Downregulation of ROCK-I and ROCK-II gene expression in the cadmium-induced ventral body wall defect chick model
  T. Doi, J. Thompson, J. Bannigan, P. Puri

- Postnatal Changes in Enteric Plexus Axonal Thickness
  T. Sri Paran, U. Rolle, P. Puri

- Upregulation of FOXA1 gene expression in the nitrofen induced hypoplastic lung
  P. Hajduk, T. Doi, P. Puri

22nd Annual North American Cystic Fibrosis Conference, Orlando, USA – October 2008

- Non-Tuberculous mycobacterium in the Irish CF population.
  Healy F, Vaish S, Slattery D, Reid A, Mahony M, O’Connell N, Canny C

40th Congress of the International Society of Paediatric Oncology, Berlin, Germany October, 2008

- Patterns of Referral to an Intensive Care Unit in a National Paediatric Oncology Centre
  Owens C, Mannion D, Casey W, Butler K, Waldron M, O’Marcaigh A, O’Meara A

- Chemotherapy Induced Glomerular Toxicity in Paediatric Oncology
  Owens C, Brady J, Capra M, Smith O, O’Meara A, O’Riordan M.

American Academy of Pediatrics Scientific Assembly, October 2008

- Nebulized Lidocaine For Nasogastric Tube Insertion In Children: A Randomized Double Blind Placebo Controlled Trial.
  Babl FE, Goldfinch C, Mandrawa C, Crellin D, O’Sullivan R.
13th Manchester Dysmorphology meeting, UK, October 2008

- Diagnostic outcome following routine Genetics clinic attendance.
  Shahdadpuri R, Lambert D & Lynch SA

Paediatric Triage Group of Switzerland, Basel, SWITZERLAND October 2008

- Paediatric Triage in Ireland.
  O’Sullivan R.


- Management of Thoracic Inlet Syndrome associated with Hurler syndrome: Description of a new surgical technique.
  Case presentation and winner of first place.

- Post pneumonectomy Syndrome: a real entity.
  Early S, Egan J, Russell J, Nölke L

British Association of Paediatric Endoscopic Surgeons (BAPE S), Nottingham, UK, November 2008

- Laparoscopic appendicecctomy in very obese children is associated with lower morbidity
  B Kutasy, L. Das, S. Awadalla, P. Puri

American Society of Haematology, San Francisco, USA December 2008

- Dissociation of Activated Protein C Functions by Elimination of Protein S Cofactor Enhancement

- Platelet Factor 4 Mediates Activated Protein C Resistance by Impairment of Protein S Cofactor Enhancement

- Enhancement of the Anticoagulant Properties of Protamine Sulphate by Activated Protein C


- Circulating Microparticles, Plasma Protein C and Free Protein S Levels in Children with Sickle Cell Anemia Piccin A, Eakins E, Murphy CV, Mod BA, Murphy WG, McMahon C, Smith OP.
Irish Institute of Clinical Neuroscience, Dublin 2008

- Bannayan-Riley-Ruvalcaba Syndrome: a common cause of extreme macrocephaly and neurodevelopmental delay
  Lynch N K, Lynch S A, McMenamin J, Webb D

- Childhood absence seizures and GLUT 1 deficiency.
  Byrne S, Kearns J, McMenamin, Webb D
  Won Best Case Presentation II CN, 2008

Society of Cardiothoracic Surgery in GB & Ireland Annual Meeting, March 2008

- Does Every Pediatric Cardiac Surgery Program need an ECLS program.
  McGuinness J, Redmond JM, Wood AE, Nolke L

Society of General Microbiology, Galway, March 2008.

- Interaction of Campylobacter jejuni with mucus secreting cell line E12
  Bourke B.

Society for General Microbiology Irish Division Meeting held in NUI Galway, March 2008. Regulatory Mechanisms in Host-Pathogen Interactions

- Mannose and Glucose Residues Expressed on Helicobacter pylori Lipopolysaccharide Mediate Binding to the Trefoil Peptide TFF1.
  Reeves E, Leonard P, Hearty S, May FEB and Clyne M.

- The interaction of Helicobacter pylori with a mucus secreting cell line
  Dolan B, Drumm B and Clyne M.

- Campylobacter jejuni senses host epithelium and alters surface polysaccharides

- The interaction of Campylobacter jejuni with a mucus secreting cell line
  HT29MTEXE12
  Alemka A, Clyne M, Bourke B.
Irish Perinatal Society, Cork, April 2008

- **Serum Sodium Profiles and Neurodevelopmental outcomes in Extremely Low Birthweight Infants.**
  White M, M Sleven, EJ Molloy, JFM Murphy

- **Impact of the timing of delivery in severe congenital anomalies.**
  NC Hapnes, T O’Carroll, E Molloy, F. M cAuliffe, A Twomey.

- **Do we have enough NICU beds in Ireland?**
  Khalifeh A., Robson M., Twomey A., Molloy EJ

College of Anaesthetists of Ireland, Dublin, April 2008

- **Care of the Critically Ill Child - Multiple Trauma**
  O’Sullivan R


- **Campylobacter jejuni pathogenicity in mucus in vitro.**
  Bourke, B

Irish Paediatric Association, Mullingar, May 2008

- **Survival of Infants with Congenital Diaphragmatic hernia admitted to a Tertiary Paediatric Surgical Centre.**
  Chukwu J, Iro C, McCallion N, Quinn F, Molloy EJ.

- **Relationship between Vitamin D and alkaline phosphatase levels in Very Low Birth Weight Infants**
  McCarthy R, MccAllion N, Molloy EJ

- **Hydrops Fetalis: Antenatal Diagnosis and postnatal outcomes.**
  Pitan C, Molloy EJ, McParland P, O’Carroll T, Thomas M.

- **Absence of Cerebrospinal leukocytosis does not exclude neonatal meningitis**
  Abu Ismail; Matheson M, K nowles S, Molloy EJ.

- **The use of a modified Immature-to-mature neutrophil ratio in the diagnosis of Late-onset Sepsis in Very Low Birth weight Infants.**
  O’Carroll C, El-K huffash A, Knowles S, Abu Ismail, Walsh M, Molloy EJ.

- **Coagulation profiles in Very Low Birth Weight Infants.**
  M White, T O’Carroll, JFM Murphy, E Molloy
- Neurodevelopmental outcome and electrolyte imbalance in extremely Low Birth Weight Infants.
  White M, Slevin M, Molloy EJ, Murphy JFA.

Annual Scientific Meeting of the College of Anaesthetists, RCSI Dublin, May 2008
- Bilateral Pneumothorax and Pulmonary Oedema following Tracheostomy induced by Acute Tracheal Obstruction
  Kumar D, O’Hare B, Kelly DJ

  O’Donnell S, Stellenberg R, Walsh S, O’Sullivan R.

Intensive Care Society of Ireland Annual Scientific Meeting Cork, June 2008
- Postoperative vancomycin and gentamicin - therapeutic drug monitoring in the Paediatric Cardiac ICU
  Stack M, Fitzpatrick A, Butler E, Wood A E, Gavin P, O’Hare B

- PICU audit in Ireland - the path to enlightenment
  McCluskey J, Mannion D, Healy M, O’Hare B

Association of Paediatric Emergency Medicine Annual Scientific Meeting, Dublin, September 2008
- Literature Update in Paediatric Emergency Medicine.
  O’Sullivan R.

- Paediatric Urgent Care Centres
  O’Sullivan R., Mehta, B