

Output by Programs

Peer Reviewed Publications

Congenital Malformations (25)

Kutasy B, Friedmacher F, Pes L, Coyle D, Doi T, Paradisi F, Puri P. Antenatal retinoic acid administration increases trophoblastic retinol-binding protein dependent retinol transport in the nitrofen model of congenital diaphragmatic hernia. *Pediatr Res*. 2015 Dec 16. PMID: 26672737

Stuart HM, Roberts NA, Hilton EN, McKenzie EA, Daly SB, Hadfield KD, Rahal JS, Gardiner NJ, Tanley SW, Lewis MA, Sites E, Angle B, Alves C, Lourenço T, Rodrigues M, Calado A, Amado M, Guerreiro N, Serras I, Beetz C, Varga RE, Silay MS, Darlow JM, Dobson MG, Barton DE, Hunziker M, Puri P, Feather SA, Goodship JA, Goodship TH, Lambert HJ, Cordell HJ; UK VUR Study Group, Saggar A, Kinali M; 4C Study Group, Lorenz C, Moeller K, Schaefer F, Bayazit AK, Weber S, Newman WG, Woolf AS. Urinary tract effects of HPSE2 mutations. *J Am Soc Nephrol*. 2015 Apr;26(4):797-804. PMID: 25145936

Friedmacher F, Puri P. Rectal suction biopsy for the diagnosis of Hirschsprung's disease: a systematic review of diagnostic accuracy and complications. *Pediatr Surg Int*. 2015 Sep;31(9):821-30. PMID:26156878

Mc Laughlin D, Puri P. Familial Hirschsprung's disease: a systematic review. *Pediatr Surg Int*. 2015 Aug;31(8):695-700. PMID: 26179259

Duess JW, Puri P. Syndromic Hirschsprung's disease and associated congenital heart disease: a systematic review. *Pediatr Surg Int*. 2015 Aug;31(8):781-5. PMID:26156879

Duess JW, Zani-Ruttenstock EM, Garriboli M, Puri P, Pierro A, Hoellwarth ME. Outcome of right-sided diaphragmatic hernia repair: a multicentre study. *Pediatr Surg Int*. 2015 May;31(5):465-71. PMID: 25801417

Takahashi H, Kutasy B, Pes L, Paradisi F, Puri P. Decidual β -carotene-15,15'-oxygenase-1 and 2 (BCMO1,2) expression is increased in nitrofen model of congenital diaphragmatic hernia. *Pediatr Surg Int*. 2015 Jan;31(1):37-43. PMID:25344780

Zani A, Eaton S, Puri P, Rintala R, Lukac M, Bagolan P, Kuebler JF, Hoellwarth ME, Wijnen R, Tovar J, Pierro A; EUPSA Network. International survey on the management of necrotizing enterocolitis. *Eur J Pediatr Surg*. 2015 Feb;25(1):27-33. PMID: 25344942

Tomuschat C, O'Donnell AM, Coyle D, Puri P. Reduced expression of voltage-gated Kv11. 1 (hERG) K⁺ channels in aganglionic colon in Hirschsprung's disease. *Pediatr Surg Int*. 2016; 32: 9 -16 PMID: 26519040

Tomuschat C, Puri P. RET gene is a major risk factor for Hirschsprung's disease: a meta-analysis. *Pediatr Surg Int*. 2015; 31: 701 - 710 PMID: 26164711

Coyle D, O'Donnell AM, Corcionivoschi N, Gillick J, Puri P. Rho-kinase expression in Hirschsprung's disease. *Pediatr Surg Int*. 2015 ;31(11):1077-85. PMID 26276426

Coyle D, O'Donnell AM, Puri P. Altered distribution of small-conductance calcium-activated potassium channel SK3 in Hirschsprung's disease. *J Pediatr Surg*. 2015 Oct;50(10):1659-64. PMID: 25783396

Coyle D, Puri P. Hirschsprung's disease in children with Mowat-Wilson syndrome. *Pediatr Surg Int*. 2015 Aug;31(8):711-7. PMID:26156877

O'Donnell AM, Coyle D, Puri P. Decreased expression of hyperpolarisation-activated cyclic nucleotide-gated channel 3 in Hirschsprung's disease. *World J Gastroenterol*. 2015 May 14;21(18):5635-40. PMID: 25987789

Zimmer J and Puri P (2015) Knockout mouse models of Hirschsprung's disease. *Pediatr Surg Int*. 31(9):787-94. PMID: 26137873

Zimmer J, Takahashi T, Duess JW, Hofmann AD, Puri P. (2016) Upregulation of S1P1 and Rac1 receptors in the pulmonary vasculature of nitrofen-induced congenital diaphragmatic hernia. *Pediatr Surg Int*. 32(2):147-54 Epub 2015 Nov 5. PMID: 26543024

Hofmann AD, Zimmer J, Takahashi T, Gosemann JH, Puri P. (2016) The Role of Activin Receptor-Like Kinase 1 Signaling in the Pulmonary Vasculature of Experimental Diaphragmatic Hernia. *Eur J Pediatr Surg*. 26(1):106-11. Epub 2015 Nov 5. PMID: 26540443

Takahashi T, Friedmacher F, Zimmer J, Puri P. (2016) Mesenchymal expression of the FRAS1/FREM2 gene unit is decreased in the developing fetal diaphragm of nitrofen-induced congenital diaphragmatic hernia. *Pediatr Surg Int*. 32(2):135-40. Epub 2015 Oct 30. PMID: 26519041

Takahashi T, Friedmacher F, Puri P (2016) Gene Expression of Fras1-Related Extracellular Matrix 1 is Decreased in Nitrofen-Induced Congenital Diaphragmatic Hernia. *Eur J Pediatr Surg.* 26:81-5 PMID:26382659

Takahashi T, Friedmacher F, Takahashi H, Hofmann AD, Puri P (2015) Kif7 Expression is Decreased in the Diaphragmatic and Pulmonary Mesenchyme of Nitrofen-Induced Congenital Diaphragmatic Hernia. *J Pediatr Surg.* 50:904-7 PMID: 25921351

Takahashi T, Friedmacher F, Takahashi H, Hofmann AD, Puri P (2015) Disruption of Copper-Dependent Signaling Pathway in the Nitrofen-Induced Congenital Diaphragmatic Hernia. *Pediatr Surg Int.* 31:31-5 PMID: 25319798

Takahashi T, Friedmacher F, Takahashi H, Hofmann AD, Puri P (2015) Lysyl Oxidase Expression is Decreased in the Developing Diaphragm and Lungs of Nitrofen-Induced Congenital Diaphragmatic Hernia. *Eur J Pediatr Surg.* 25:15-9 PMID: 25111273

Takahashi H, Kutasy B, Friedmacher F, Takahashi T, Puri (2016) Expression of Hepatic Lipid Droplets is Decreased in the Nitrofen Model of Congenital Diaphragmatic Hernia. *Pediatr Surg Int.* 32:155-60 PMID: 26649853

Hofmann AD, Takahashi T, Duess JW, Gosemann JH, Puri P (2015) Increased Expression of Activated Pstat3 and PIM-1 in the Pulmonary Vasculature of Experimental Congenital Diaphragmatic Hernia. *J Pediatr Surg.* 50:908-11 PMID: 25812446

Hofmann AD, Friedmacher F, Takahashi T, Gosemann JH, Puri P (2015) Increased Pulmonary Vascular Expression of Receptor for Advanced Glycation End Products (RAGE) in Experimental Congenital Diaphragmatic Hernia. *J Pediatr Surg.* 50:746-9 PMID: 25783380

Gastroenterology (8)

Mikhed Y, Gorchach A, Knaus UG, and Daiber A (2015) Redox regulation of genome stability by effects on gene expression, epigenetic pathways and DNA damage/repair. *Redox Biol* 5:275-89 PMID:26079210

O'Neill S, Brault J, Stasia MJ, and Knaus UG (2015) Genetic disorders coupled to ROS deficiency. *Redox Biol* 6:135-56 PMID:26210446

Hayes P, Dhillon S, O'Neill K, Thoeni C, Hui KY, Elkadri A, Guo CH, Kovacic L, Aviello G, Alvarez LA, Griffiths AM, Snapper SB, Brant SR, Doroshov JH, Silverberg MS, Peter I, McGovern DP, Cho J, Brumell JH, Uhlig

HH, Bourke B, Muise AM, Knaus UG (2015) Defects in NADPH oxidase genes *NOX1* and *DUOX2* in very early onset inflammatory bowel disease. *Cell Mol Gastroenterol Hepatol* 1(5):489-502 PMID:26301257

Kutty J, Hussey S, Broderick AM, Quinn S, Bourke B (2015). HLA testing for coeliac disease in Ireland? *Ir Med J.* 108(5):133. PMID: 26062236.

Casey JP, Slattery S, Cotter M, Monavari AA, Knerr I, Hughes J, Treacy EP, Devaney D, McDermott M, Laffan E, Wong D, Lynch SA, Bourke B, Crushell E (2015). Clinical and genetic characterisation of infantile liver failure syndrome type 1, due to recessive mutations in *LARS*. *J Inherit Metab Dis.* 38(6):1085-92. PubMed PMID: 25917789.

Bourke B, Hussey S (2015). Chronic infections of the small intestine. *Curr Opin Gastroenterol.* 31(2):104-10. PubMed PMID: 25603404.

Bourke B (2015). Outcomes of children after esophagogastroduodenoscopy for chronic abdominal pain. *Clin Gastroenterol Hepatol.* 13(2):409. PubMed PMID: 25130939.

Rowland M, Gallagher C, Gallagher CG, Laoide RÓ, Canny G, AM, Drummond J, Grealley P, Slattery D, Daly L, McElvaney NG, Bourke B (2015). Outcome in patients with cystic fibrosis liver disease. *J Cyst Fibros.* 14(1):. PubMed PMID: 24917116.

Obesity & Diabetes (23)

Mc Darby V, Hevey D, and Cody D (2015) An overview of the role of social network sites in the treatment of adolescent diabetes. *Diabetes Technology & Therapeutics* 17(4):291-4 PMID: 25654161

Mc Darby V, Hevey D, and Cody D (2015) Abstract publication: Evaluation of a social media site to improve diabetes glycaemic control, knowledge and self-efficacy: the ASSIST study. *Pediatric Diabetes* Oct 2015 16 (sup 21)

Hawkes CP, Mavinkurve M, Fallon M, Grimberg A, Cody D. Serial GH measurements after catheter placement alone can detect levels above stimulation test thresholds in children. *J Clin Endocrinol Metab.* 2015 Nov;100(11):4357-63. PMID: 26418286

Carolan e, Hogan A, O Connell J, Fallon M, O'Shea d, cody D. The prevalence of cardiovascular risk factors in obese children. *Ir Med J.* 2015 May;108(5):134-6. PMID:26062237

- Carolan E, Tobin LM, Cody D, O' Shea d, Hogan AE. Altered distribution and increased IL-17 production by MAIT cells in adult and childhood obesity. *J Immunol*. 2015;194(12):5775-80. PMID 2590010
- Kelleher, M., Dunn-Galvin, A., Hourihane, J.O.B., Murray, D., Campbell, L.E., Irwin, McLean, W.H., Irvine, A.D. 2015. Skin barrier dysfunction measured by transepidermal water loss at 2 days and 2 months predates and predicts atopic dermatitis at 1 year. *JACI*; 135 (4): 930-35. PubMed PMID: 25618747
- Kelleher, M., Dunn Galvin, A., Gray, C., Murray, D.M., Kiely, M., Kenny, L.C., McLean, I., Irvine, A.D., Hourihane, J. O'B. Skin barrier impairment at birth predicts food allergy at two years of age. (Accepted to *J Allergy Clin Immunol*, In press) PubMed PMID: 26924469
- McCarthy EK, Chaoimh CN, Murray DM, Hourihane JO, Kenny LC, Kiely M. 2015. Eating behaviour and weight status at 2 years of age: data from the Cork BASELINE Birth Cohort Study. *Eur J Clin Nutr*. Dec;69(12):1356-9. doi: 10.1038/ejcn.2015.130. PubMed PMID: 26264350.
- O'Donovan SM, O'B Hourihane J, Murray DM, Kenny LC, Khashan AS, Chaoimh CN, Irvine AD, Kiely M. 2016 Neonatal adiposity increases the risk of atopic dermatitis during the first year of life. *J Allergy Clin Immunol*. Jan;137(1):108-17. doi: 10.1016/j.jaci.2015.05.035. Epub 2015 Jul 17. PubMed PMID: 26194543.
- Smith HA, O'B Hourihane J, Kenny LC, Kiely M, Murray DM, Leahy-Warren P. 2015. Early life factors associated with the exclusivity and duration of breast feeding in an Irish birth cohort study. *Midwifery*. Sep;31(9):904-11. doi: 10.1016/j.midw.2015.04.015. Epub 2015 May 5. PubMed PMID: 26001950.
- O'Donovan SM, Murray DM, Hourihane JO, Kenny LC, Irvine AD, Kiely M. 2015. Adherence with early infant feeding and complementary feeding guidelines in the Cork BASELINE Birth Cohort Study. *Public Health Nutr*. Oct;18(15):2864-73. doi: 10.1017/S136898001500018X. Epub 2015 Feb 18. PubMed PMID: 25690944.
- McCarthy EK, Kiely M. 2015. Vitamin D and muscle strength throughout the life course: a review of epidemiological and intervention studies. *J Hum Nutr Diet*. Dec;28(6):636-45. doi: 10.1111/jhn.12268. Epub 2014 Oct 3. PubMed PMID: 25280068.
- O'Donovan SM, Murray DM, Hourihane JO, Kenny LC, Irvine AD, Kiely M. 2015. Cohort profile: The Cork BASELINE Birth Cohort Study: Babies after SCOPE: Evaluating the Longitudinal Impact on Neurological and Nutritional Endpoints. *Int J Epidemiol*. Jun;44(3):764-75. doi: 10.1093/ije/dyu157. Epub 2014 Aug 7. PubMed PMID: 25102856.
- McCarthy E.K., Murray D.M., Kenny L.C., Hourihane J.O'B., Kiely M. 2015. Early life determinants of muscle strength at five years of age. *Proceedings of the Nutrition Society*, 74 (OCE4), E220.
- Ní Chaoimh C., Murray D.M., Kenny L.C., Hourihane J.O.B., Kiely M. 2015. Cord leptin is inversely associated with changes in weight and adiposity in infancy *Proceedings of the Nutrition Society* 74 (OCE4) E216
- Hawkes CP, Grimberg A (2015) Insulin-like growth factor-I is a marker for the nutritional state. *Pediatr Endocrinol Rev*, 13, 465-77. PMID 26841638
- Hawkes CP, Mavinkurve M, Fallon M, Grimberg A, Cody DC (2015) Serial GH Measurement After Intravenous Catheter Placement Alone Can Detect Levels Above Stimulation Test Thresholds in Children. *J Clin Endocrinol Metab*, 100, 4357-63. PMID 26418286
- Hawkes CP, Schnellbacher S, Singh R, Levine MA (2015) Response to the Letter by Pauwels, et al. *J Clin Endocrinol Metab*, 100, L84-5. PMID 26339746
- Hawkes CP, Schnellbacher S, Singh RJ, Levine MA (2015) 25-Hydroxyvitamin D Can Interfere With a Common Assay for 1,25-Dihydroxyvitamin D in Vitamin D Intoxication. *J Clin Endocrinol Metab*, 100, 2883-9. PMID 26120794
- Perry CP, Keane E, Layte R, Fitzgerald AP, Perry IJ, Harrington JM. The use of a dietary quality score as a predictor of childhood overweight and obesity. *BMC Public Health*; 2015, **15**:581 PMID:26100985
- Keane E, Perry CP, Kearney PM, Harrington JM, Perry IJ, Layte R. Childhood obesity, dietary quality and the role of the local food environment: cross-sectional analysis from the growing up in Ireland study. *J Epidemiol Community Health* 2015;69:A53
- Perry CP, Keane E, Kearney PM, Perry IJ, Harrington JM. Applying the dietary approach to stop hypertension (DASH) score to children: is adherence to kidDASH associated with childhood overweight or obesity. *J Epidemiol Community Health* 2015;69:A78
- Li X, Kearney PM, Keane E, Harrington JM, Fitzgerald AP. Temporal and weather effects on accelerometer-measured physical activity during school days among children. *J Epidemiol Community Health* 2015;69:A40-A50

Paediatric Cancer (17)

Piskareva O, Harvey H, Nolan J, Conlon R, Alcock L, Buckley P, Dowling P, O'Sullivan F, Bray I, Stallings RL (2015) The development of cisplatin resistance in neuroblastoma is accompanied by epithelial to mesenchymal transition in vitro. *Cancer Letters* 364: 142-55. PMID: 25960282

Soriano A, París-Coderch L, Jubierre L, Martínez A, Zhou X, Piskareva O, Bray I, Vidal I, Almazán-Moga A, Molist C, Roma J, Bayascas JR, Casanovas O, Stallings RL, Sánchez de Toledo J, Gallego S, Segura MF (2015) MicroRNA-497 impairs the growth of chemoresistant neuroblastoma cells by targeting cell cycle, survival, and angiogenic regulators. *Oncotarget* 2016 [Epub ahead of print] PMID: 26824183

Harvey H, Piskareva O, Creevy L, Alcock L, Buckley P, O'Sullivan M, Segura M, Stallings R, Bray I (2015) Modulation of chemotherapeutic drug resistance in neuroblastoma SK-N-AS cells by the neural apoptosis inhibitory protein and miR-520f. *Int. J. Cancer* 136:1579-88 PMID: 25137037

Karlsson J, Valind A, Jansson C, O'Sullivan MJ, Mengelbier LH, Gisselsson D. Aberrant epigenetic regulation in clear cell sarcoma of the kidney featuring distinct DNA hypermethylation and EZH2 overexpression. *Oncotarget*. 2016 Feb 3. doi: 10.18632/oncotarget.7152. [Epub ahead of print] PMID:26848979

Foley RW, Aworanti OM, Gorman L, McGovern B, O'Sullivan M, Smith OP, Twomey E, Gillick J. Unusual childhood presentations of abdominal non-Hodgkin's lymphoma. *Pediatr Int*. 2015 Dec 16. doi: 10.1111/ped.12807. [Epub ahead of print] PMID:26670157

Gooskens SL, Kenny C, Lazaro A, O'Meara E, van Tinteren H, Spreafico F, Vujanic G, Leuschner I, Coulomb-L'Herminé A, Perotti D, de Camargo B, Bergeron C, Acha García T, Tanaka M, Pieters R, Pritchard-Jones K, Graf N, van den Heuvel-Eibrink MM, O'Sullivan MJ. The clinical phenotype of YWHAЕ-NUTM2B/E positive pediatric clear cell sarcoma of the kidney. *Genes Chromosomes Cancer*. 2016 Feb;55(2):143-7. doi: 10.1002/gcc.22320. Epub 2015 Nov 6. PMID:26542179

Kelly LC, Lázaro A, O'Sullivan MJ. What Do We Know about the Role of miRNAs in Pediatric Sarcoma? *Int J Mol Sci*. 2015 Jul 22;16(7):16593-621. doi: 10.3390/ijms160716593. Invited Review. PMID:26204834

McGovern E, McNally P, O'Sullivan M, Phelan E, Sumner K, Best DH, McMahon CJ. Infantile pulmonary capillary haemangiomatosis: a lethal form of pulmonary hypertension. *Cardiol Young*. 2015 Jul 15:1-6. [Epub ahead of print] PMID:26175015

Alston CL, Ceccatelli Berti C, Blakely EL, Oláhová M, He L, McMahon CJ, Olpin SE, Hargreaves IP, Nolli C, McFarland R, Goffrini P, O'Sullivan MJ, Taylor RW. A recessive homozygous p.Asp92Gly SDHD mutation causes prenatal cardiomyopathy and a severe mitochondrial complex II deficiency. *Hum Genet*. 2015 Aug;134(8):869-79. doi: 10.1007/s00439-015-1568-z. Epub 2015 May 26. PMID: 26008905

Wegert J, Ishaque N, Vardapour R, Geörg C, Gu Z, Bieg M, Ziegler B, Bausenwein S, Nourkami N, Ludwig N, Keller A, Grimm C, Kneitz S, Williams RD, Chagtai T, Pritchard-Jones K, van Sluis P, Volckmann R, Koster J, Versteeg R, Acha T, O'Sullivan MJ, Bode PK, Niggli F, Tytgat GA, van Tinteren H, van den Heuvel-Eibrink MM, Meese E, Vokuhl C, Leuschner I, Graf N, Eils R, Pfister SM, Kool M, Gessler M. Mutations in the SIX1/2 pathway and the DROSHA/DGCR8 miRNA microprocessor complex underlie high-risk blastemal type Wilms tumors. *Cancer Cell*. 2015 Feb 9;27(2):298-311. doi: 10.1016/j.ccell.2015.01.002. PMID: 25670083

Harvey H, Piskareva O, Creevey L, Alcock LC, Buckley PG, O'Sullivan MJ, Segura MF, Gallego S, Stallings RL, Bray IM. Modulation of chemotherapeutic drug resistance in neuroblastoma SK-N-AS cells by the neural apoptosis inhibitory protein and miR-520f. *Int J Cancer*. 2015 Apr 1;136(7):1579-88. doi: 10.1002/ijc.29144. Epub 2014 Sep 2. PMID: 25137037

Oliviero G, Munawar N, Watson A, Streubel G, Manning G, Bardwell V, Bracken AP, Cagney G. *Sci Rep*. 2015 Dec 21; The variant Polycomb Repressor Complex 1 component PCGF1 interacts with a pluripotency sub-network that includes DPPA4, a regulator of embryogenesis.5:18388. doi: 10.1038/srep18388. PMID: 26687479

Conway E, Healy E, Bracken AP. *Curr Opin Cell Biol*. 2015 Dec; PRC2 mediated H3K27 methylations in cellular identity and cancer.37:42-8. PMID: 26497635

Brien GL, Healy E, Jerman E, Conway E, Fadda E, O'Donovan D, Krivtsov AV, Rice AM, Kearney CJ, Flaus A, McDade SS, Martin SJ, McLysaght A, O'Connell DJ, Armstrong SA, Bracken AP. *Genes Dev*. 2015 Nov 1; A chromatin-independent role of Polycomb-like 1 to stabilize p53 and promote cellular quiescence.29(21):2231-43. PMID: 26494712

Streubel G, Bracken AP. *EMBO J.* 2015 Dec 2; *MED23*: a new Mediator of H2B monoubiquitylation. *34*(23):2863-4. PMID: 26438725

Lanigan F, Brien GL, Fan Y, Madden SF, Jerman E, Maratha A, Aloraifi F, Hokamp K, Dunne EJ, Lohan AJ, Flanagan L, Garbe JC, Stampfer MR, Fridberg M, Jirstrom K, Quinn CM, Loftus B, Gallagher WM, Geraghty J, Bracken AP. *FEBS J.* 2015 Sep; Delineating transcriptional networks of prognostic gene signatures refines treatment recommendations for lymph node-negative breast cancer patients. *282*(18):3455-73. PMID: 26094870

Aloraifi F, McDevitt T, Martiniano R, McGreevy J, McLaughlin R, Egan CM, Cody N, Meany M, Kenny E, Green AJ, Bradley DG, Geraghty JG, Bracken AP. *FEBS J.* 2015 Sep; Detection of novel germline mutations for breast cancer in non-BRCA1/2 families. *282*(17):3424-37. PMID: 26094658

Immunology/Inflammation & Infectious Diseases (67)

Oglesby IK, Vencken SF, Agrawal R, Gaughan K, Molloy K, Higgins G, McNally P, McElvaney NG, Mall MA, Greene CM (2015) miR-17 overexpression in cystic fibrosis airway epithelial cells decreases interleukin-8 production. *Eur Respir J.* *46*:1350-60 PMID: 26160865.

Jundi K, Greene CM (2015) Transcription of Interleukin-8: How Altered Regulation Can Affect Cystic Fibrosis Lung Disease. *Biomolecules.* *5*:1386-98 PMID: 26140537

Vencken SF, Greene CM, McKiernan PJ (2015) Non-coding RNA as lung disease biomarkers. *Thorax.* *70*:501-3 PMID: 25550385.

Finlay, C. Stefanska, A.M., Boon, L., Lavelle, E.C., Walsh, P.T., Mills, K.H. Helminth products protect against autoimmunity via innate type 2 cytokines IL-5 and IL-33 which promote eosinophilia. (2016) *J. Immunol.* Jan 15; *196*(2):703-14. PMID:26673140

Sweeney C.M., Russell S.E., Malara, A., Kelly, G., Hughes, R., Tobin, A.M., Adamzik, K, Walsh, P.T., Kirby, B. Human-beta defensin-3 and its mouse ortholog murine-beta defensin-14 activates Langerhans cells and exacerbates psoriasis-like skin inflammation in mice. (2016) *J. Invest. Derm.* Mar; *136* (3), 723-727

Gleeson, E.M., Dichiara, M.G., Salicio, A., Quinn, L.M., Drakeford, C., Russell, S.E., Walsh, P.T., et al. Activated protein C β -glycoform promotes enhanced non-

canonical PAR1 proteolysis and superior resistance to ischemic injury (2015) *Blood Aug 13*; *126*(7):915 PMID:26084674

O'Sullivan JM, Preston RJ, O'Regan N, O'Donnell JS. 2016 Emerging roles for haemostatic dysfunction in malaria pathogenesis. *Blood.* Feb 5. pii: blood-2015-11-636464. [Epub ahead of print] PubMed PMID: 26851291.

O'Regan N, Moxon C, Gegenbauer K, O'Sullivan JM, Chion A, Smith OP, Preston RJ, Brophy TM, Craig AG, O'Donnell JS. Marked elevation in plasma steoprotegerin constitutes an early and consistent feature of cerebral malaria. 2016. *Thromb Haemost.* Jan 14; *115*(4). [Epub ahead of print] PubMed PMID: 26766771.

Quinn LM, Drakeford C, O'Donnell JS, Preston RJ. Engineering activated protein C to maximize therapeutic efficacy. 2015 *Biochem Soc Trans.* Aug; *43*(4):691-5. doi: 10.1042/BST20140312. Epub 2015 Aug 3. Review. PubMed PMID: 26551714.

O'Regan N, Gegenbauer K, O'Sullivan JM, Maleki S, Brophy TM, Dalton N, Chion A, Fallon PG, Grau GE, Budde U, Smith OP, Craig AG, Preston RJ, O'Donnell JS. 2015 A novel role for von Willebrand factor in the pathogenesis of experimental cerebral malaria. *Blood* 2016 Mar 3; *127* (9): 1192-201 doi: 10.1182/blood-2015-07-654921.

Hams E, Bermingham R, Wurlod FA, Hogan AE, O'Shea D, Preston RJ, Rodewald HR, McKenzie AN, Fallon PG. 2016 The helminth T2 RNase ω 1 promotes metabolic homeostasis in an IL-33- and group 2 innate lymphoid cell-dependent mechanism. *FASEB J.* Feb; *30*(2):824-35. doi: 10.1096/fj.15-277822. Epub 2015 Oct 21. PubMed PMID:26490658.

Gleeson EM, Dichiara MG, Salicio A, Quinn LM, Drakeford C, Russell SE, Walsh PT, Orbe J, Hermida J, Smith OP, O'Donnell JS, Montes R, Preston RJ. 2015 Activated protein C β -glycoform promotes enhanced noncanonical PAR1 proteolysis and superior resistance to ischemic injury. *Blood.* Aug 13; *126*(7):915-9. doi: 10.1182/blood-2015-03-632877. Epub 2015 Jun 17. PubMed PMID: 26084674.

Rawley O, O'Sullivan JM, Chion A, Keyes S, Lavin M, van Rooijen N, Brophy TM, Fallon P, Preston RJ, O'Donnell JS. 2015 von Willebrand factor arginine 1205 substitution results in accelerated macrophage-dependent clearance in vivo. *J Thromb Haemost.* May; *13*(5):821-6. doi: 10.1111/jth.12875. Epub 2015 Apr 13. PubMed PMID: 25690668.

Eliwan HO, Watson RW, Aslam S, Regan I, Philbin B, O'Hare FM, O'Neill A, Preston R, Blanco A, Grant T, Nolan B, Smith O, Molloy EJ. 2015 Neonatal brain injury and systemic inflammation: modulation by activated protein C ex vivo. *Clin Exp Immunol*. 2015 Mar;179(3):477-84. doi: 10.1111/cei.12453. PubMed PMID: 25204207; PubMed Central PMCID: PMC4337680.

Doyle SL, López, FJ, Celkova, L, Brennan, K, Mulfaul, K, Ozaki, E, Kenna, PF, Kurali, E, Hudson, N, Doggett, T, Ferguson, TA, Humphries, P, Adamson, P, Campbell, M. (2015) IL-18 immunotherapy for neovascular AMD; Tolerability and efficacy in nonhuman primates. *Invest Ophthalmol Vis Sci*. 56(9):5424-5430. PMID: 26284546

Celkova L, Doyle S.L, Campbell M. (2015) et al, NLRP3 Inflammasome and Pathobiology in AMD *J. Clin. Med*. 4, 172-192. PMID: 26237026

Ozaki, O., Campbell M., Doyle, S.L. (2015) Targeting the NLRP3 inflammasome in chronic inflammatory diseases: current perspectives. *Journal of Inflammation Research*. 16;8 15-27 PMID: 25653548

Camper N, Glasgow AM, Osbourn M, Quinn DJ, Small DM, McLean DT, Lundy FT, Elborn JS, McNally P, Ingram RJ, Weldon S, Taggart CC. A secretory leukocyte protease inhibitor variant with improved activity against lung infection. *Mucosal Immunol*. 2015 Sep 16. doi: 10.1038/mi.2015.90. [Epub ahead of print] PubMed PMID:26376365.

Mirković B, Murray MA, Lavelle GM, Molloy K, Azim AA, Gunaratnam C, Healy F, Slattery D, McNally P, Hatch J, Wolfgang M, Tunney MM, Muhlebach MS, Devery R, Greene CM, McElvaney NG. The Role of Short-Chain Fatty Acids, Produced by Anaerobic Bacteria, in the Cystic Fibrosis Airway. *Am J Respir Crit Care Med*. 2015 Dec 1;192(11):1314-24. doi: 10.1164/rccm.201505-0943OC. PubMed PMID: 26266556; PubMed Central PMCID: PMC4731701.

McGovern E, McNally P, O'Sullivan M, Phelan E, Sumner K, Best DH, McMahon CJ. Infantile pulmonary capillary haemangiomatosis: a lethal form of pulmonary hypertension. *Cardiol Young*. 2015 Jul 15:1-6. [Epub ahead of print] PubMed PMID: 26175015.

Oglesby IK, Vencken SF, Agrawal R, Gaughan K, Molloy K, Higgins G, McNally P, McElvaney NG, Mall MA, Greene CM. miR-17 overexpression in cystic fibrosis airway epithelial cells decreases interleukin-8 production. *Eur Respir J*. 2015 Nov;46(5):1350-60. doi: 10.1183/09031936.00163414. Epub 2015 Jul 9. PubMed PMID: 26160865.

Li ZJ, Danilewsky AN, Helfen L, Mikulik P, Haenschke D, Wittge J, Allen D, McNally P, Baumbach T. Local strain and defects in silicon wafers due to nanoindentation revealed by full-field X-ray microdiffraction imaging. *J Synchrotron Radiat*. 2015 Jul;22(4):1083-90. doi: 10.1107/S1600577515009650. Epub 2015 Jun 26. PubMed PMID: 26134815.

Linnane B, Clarke D, Murray P, O'Sullivan N, Dunne C, McNally P. The benefit of taking a control sample when performing bronchoalveolar lavage. *Thorax*. 2015 Oct;70(10):990. doi: 10.1136/thoraxjnl-2015-207319. Epub 2015 Jun 16. PubMed PMID: 26082140.

Gaffney C, McNally P. Successful use of acetazolamide for central apnea in a child with Pitt-Hopkins syndrome. *Am J Med Genet A*. 2015 Jun;167(6):1423. doi: 10.1002/ajmg.a.37034. Epub 2015 Apr 21. PubMed PMID: 25900839.

Walsh A, Phelan F, Phelan M, Ryan M, Healy F, Slattery DM, Elnazir B, Grealley P, Linnane B, Ní Chróinín M, Mullane D, Herzig M, Cox DW, Javadpour S, McNally P. Diagnosis and treatment of sleep related breathing disorders in children: 2007 to 2011. *Ir Med J*. 2015 Mar;108(3):71-3. PubMed PMID: 25876296.

Glasgow AM, Small DM, Scott A, McLean DT, Camper N, Hamid U, Hegarty S, Parekh D, O'Kane C, Lundy FT, McNally P, Elborn JS, McAuley DF, Weldon S, Taggart CC. A role for whey acidic protein four-disulfide-core 12 (WFDC12) in the regulation of the inflammatory response in the lung. *Thorax*. 2015 May;70(5):426-32. doi:10.1136/thoraxjnl-2014-206488. Epub 2015 Mar 13. PubMed PMID: 25770093.

Linnane B, Vaish S, Clarke D, O'Sullivan N, McNally P. The findings of a clinical surveillance bronchoalveolar lavage programme in pre-school patients with cystic fibrosis. *Pediatr Pulmonol*. 2015 Apr;50(4):327-32. doi: 10.1002/ppul.23118. Epub 2014 Nov 18. PubMed PMID: 25408378.

Small DM, Zani ML, Quinn DJ, Dallet-Choisy S, Glasgow AM, O'Kane C, McAuley DF, McNally P, Weldon S, Moreau T, Taggart CC. A functional variant of elafin with improved anti-inflammatory activity for pulmonary inflammation. *Mol Ther*. 2015 Jan;23(1):24-31. doi: 10.1038/mt.2014.162. Epub 2014 Sep 5. PubMed PMID: 25189740; PubMed Central PMCID: PMC4426794.

Fitzgerald C, Linnane B, Heery E, Conneally N, George S, Fitzpatrick P. Newborn bloodspot screening for cystic fibrosis: What do antenatal and postnatal women know about cystic fibrosis? *J Cyst*

Fibros. 2015 Dec 18. pii: S1569-1993(15)00272-6. doi: 10.1016/j.jcf.2015.11.014. [Epub ahead of print] PubMed PMID: 26708264.

Linnane B, Kiernan MG, O'Connell NH, Kearse L, Dunne CP. Anti-RSV prophylaxis efficacy for infants and young children with cystic fibrosis in Ireland. *Multidiscip Respir Med.* 2015 Oct 15;10:32. doi: 10.1186/s40248-015-0029-9. eCollection 2015. PubMed PMID: 26473032; PubMed Central PMCID: PMC4607252.

Linnane B, Kearse L, O'Connell NH, Fenton J, Kiernan MG, Dunne CP. A case of failed eradication of cystic fibrosis-related sinus colonisation by *Pseudomonas aeruginosa*. *BMC Pulm Med.* 2015 Oct 6;15:114. doi: 10.1186/s12890-015-0113-0. PubMed PMID: 26445233; PubMed Central PMCID: PMC4596362.

O'Regan N, Gegenbauer K, O'Sullivan JM, Maleki S, Brophy TM, Dalton N, Chion A, Fallon PG, Grau GE, Budde U, Smith OP, Craig AG, Preston RJ, and O'Donnell JS. A novel role for von Willebrand factor in the pathogenesis of experimental cerebral malaria. *Blood*, 2016: 127(9); 1192-1201. PMID 26511133

O'Regan N, Moxon C, Gegenbauer K, Taylor TE, Seydel KB, O'Sullivan JM, Chion A, Smith OP, Preston RJ, Brophy TM, Craig AG, and O'Donnell JS. Marked elevation in plasma osteoprotegerin (OPG) constitutes an early and consistent feature of cerebral malaria. *Thrombosis and Haemostasis*, 2016: In press. PMID26766771

O'Sullivan JM, Preston RJ, O'Regan N, and O'Donnell JS. Emerging roles for haemostatic dysfunction in malaria pathogenesis. *Blood*, 2016: Epub ahead of print. PMID26851291

Saunders SP, Moran T, Floudas A, Wurlod F, Kaszlikowska A, Salimi M, Quinn EM, Oliphant CJ, Núñez G, McManus R, Hams E, Irvine AD, McKenzie AN, Ogg GS, Fallon PG (2015) Spontaneous atopic dermatitis is mediated by innate immunity, with the secondary lung inflammation of the atopic march requiring adaptive immunity. *J Allergy Clin Immunol.* doi: 10.1016/j.jaci.2015.06.045. Epub 2015 Aug 20. PMID: 26299987

Hams E, Bermingham R, Fallon PG (2015) Macrophage and Innate Lymphoid Cell Interplay in the Genesis of Fibrosis. *Front Immunol.* 6: 597 PMID: 26635811

Khan, A.R., Hams, E., Floudas, A., Sparwasser, T., Weaver, C.T., Fallon, P.G., 2015. PD-L1(hi) B cells are critical regulators of humoral immunity. *Nat. Commun.* PMID: 25609381

Spence S, Greene MK, Fay F, Hams E, Saunders SP, Hamid U, Fitzgerald M, Beck J, Bains BK, Smyth P, Themistou E, Small DM, Schmid D, O'Kane CM, Fitzgerald DC, Abdelghany SM, Johnston JA, Fallon PG, Burrows JF, McAuley DF, Kissenpfennig A, Scott CJ (2015) Targeting Siglecs with a sialic acid-decorated nanoparticle abrogates inflammation. *Sci Transl Med.* 7(303): 303ra140 PMID: 26333936

Khan AR, Amu S, Saunders SP, Hams E, Blackshields G, Leonard MO, Weaver CT, Sparwasser T, Sheils O, Fallon PG (2015) Ligation of TLR7 on CD19(+) CD1d(hi) B cells suppresses allergic lung inflammation via regulatory T cells. *Eur J Immunol.* 45(6): 1842-54 PMID: 25763771

MacLeod AK, Fallon PG, Sharp S, Henderson CJ, Wolf CR, Huang JT. (2015) An enhanced in vivo stable isotope labeling by amino acids in cell culture (SILAC) model for quantification of drug metabolism enzymes. *Molecular & cellular proteomics* 14:750-60.

Cluxton CD, Caffrey, B.E., Kinsella, G.K., Moynagh, P.N., Fares, M.A. & Fallon, P.G. (2015) Functional conservation of an ancestral Pellino protein in helminth species. *Scientific Reports.* 5:11687

E K McCarthy, C ní Chaoimh, D M Murray, J O 'B Hourihane, L C Kenny, M Kiely (epublished 12 August 2015) Eating behaviour and weight status at 2 years of age: data from the Cork BASELINE Birth Cohort Study, *European Journal of Clinical Nutrition* , doi:10.1038/ejcn.2015.130. PMID: 26264350

O'Donovan SM, Hourihane JO'B, Murray DM, Kenny LC, Khashan AS, ní Chaoimh C, Irvine AD, Kiely M (2015) Neonatal adiposity increases the risk of atopic dermatitis during the first year of life, *J All Clin Immunol* PMID 26194543 <http://dx.doi.org/10.1016/j.jaci.2015.05.035>

Kelleher M, Dunn-Galvin A, Hourihane JO'B, Murray D, Campbell LE, McLean WHI, Irvine AD (2015) Skin Barrier Dysfunction measured by Transepidermal Water Loss (TEWL) at 2 days and 2 months Predates and Predicts Atopic Dermatitis at 1 year, *J Allergy Clin Immunol*, 135 (4) 930-935. doi.org/10.1016/j.jaci.2014.12.013

Klennert MD, McQuaid EL, Fedele DA, Faino A, Strand M, Robinson J, Atkins D, Fleischer DM, Hourihane JO'B, Cohen S, Fransen H (2015) Children's Food Allergies: Development of the Food Allergy Management and Adaptation Scale (FAMAS), *J Paediatric Psychology*, PMID: 25797945

O'Donovan SM, Murray DM, Hourihane JO'B, Kenny LC, Irvine AD, Kiely M (2015), Adherence with early infant feeding and complementary feeding guidelines

in the Cork BASELINE BASELINE Birth Cohort Study, *Public Health Nutrition* 2015, Feb 18:1-10 doi:10.1017/S136898001500018X. PMID: 25690944

J Saleh-Langenberg, NJ Goossens, BMJ de Blok Flokstra, B.J. Kollen, GN Meulen, TM Le, AC Knulst, M Jedrzejczak-Czechowicz, ML Kowalski, E Rokicka, P Starosta, B la Hoz Caballer, S Vazquez-Cortés, I Cerecedo, L Barreales, R Asero, M Clausen, A DunnGalvin, J O'B. Hourihane, A Purohit, NG Papadopoulos, M Fernández-Rivas, L Frewer, P Burney, EJ Duiverman, AEJ Dubois (2015), Predictors of health-related quality-of-life of European food-allergic patients, *Allergy* DOI: 10.1111/all.12582. PMID: 25627424

Ballmer-Weber BK, Fernandez-Rivas M, Beyer K, Defernez M, Sperrin M, Mackie AR, Salt LJ, Hourihane JO'B, Asero R, Belohlavkova S, Kowlaski M, de Blay F, Papadopoulos NG, Clausen M, Knulst AC, Roberts GC, Popov T, Sprickelman AB, , Dubakiene R, Vieths S, van Ree R, Crevel R, Mills ENC (2015), How much is too much?: Threshold dose distributions for 5 food allergens, *J Allergy Clin Immunol* doi.org/10.1016/j.jaci.2014.10.047 PMID: 25589011

DunnGalvin A, Chan C-H, Crevel R, Grimshaw K, Poms R, Schnadt S, Taylor SL, Turner P, Allen KJ, Austin M, Baka A, Baumert JL, Baumgartner S, Beyer K, Bucchini L, Fernández-Rivas M, Grinter K, Houben GF, Hourihane J, Kenna F, Kruizinga AG, Lack G, Madsen CB, Clare Mills EN, Papadopoulos NG, Alldrick A, Regent L, Sherlock R, Wal J-M, Roberts G (2015), Precautionary allergen labelling: perspectives from key stakeholder groups, *Allergy* 70: 1039–1051. DOI: 10.1111/all.12614.

Wedgeworth E, Glover M, Irvine AD, Neri I, Baselga Torres E, Clayton TH, Beattie PE, Bjerre JV, Burrows NP, Foelster-Holst R, Hedelund L, Hernandez-Martin A, Audrain H, Bhate K, Brown SJ, Baryschpolec S, Darne S, Durack A, Dvorakova V, Gach J, Goldstraw N, Goodyear H, Grabczynska S, Greenblatt D, Halpern J, Hearn RM, Hoey S, Hughes B, Jayaraj R, Johansson EK, Lam M, Leech S, O'Regan GM, Morrison D, Porter W, Ramesh R, Schill T, Shaw L, Taylor AE, Taylor R, Thomson J, Tiffin P, Tsakok M, Janmohamed SR, Laguda B, McPherson T, Oranje A, Patrizi A, Ravenscroft J, Shahidullah H, Solomon L, Svensson A, Wahlgren CF, Hoeger PH, Flohr C. Propranolol in the treatment of infantile haemangiomas: Lessons from the European Propranolol In the Treatment of Complicated Haemangiomas (PITCH) Taskforce *British Journal of Dermatology* 2015 Oct 16. doi: 10.1111/bjd.14233. [Epub ahead of print] PMID: 26473312

Mercier S, Küry S, Salort-Campana E, Magot A, Agbim U, Besnard T, Bodak N, Bou-Hanna C, Bréhéret F, Brunelle P, Caillon F, Chabrol B, Cormier-Daire V,

David A, Eymard B, Faivre L, Figarella-Branger D, Fleurence E, Ganapathi M, Gherardi R, Goldenberg A, Hamel A, Igual J, Irvine AD, Israël-Biet D, Kannengiesser C, Laboisie C, Le Caignec C, Mahé J-Y, Mallet S, MacGowan S, McAleer MA, McLean WHI, Méni C, Munnich A, Mussini J-M, Nagy PL, Odel J, O'Regan GM, Péréon Y, Perrier J, Piard J, Puzenat E, Sampson JB, Smith FJD, Soufir N, Tanji K, Thauvin C, Ulane C, Watson RM, Khumalo NP, Mayosi BM, Barbarot S, Bézieau S. Expanding the clinical spectrum of Hereditary Fibrosing Poikiloderma with Tendon Contractures, Myopathy and Pulmonary Fibrosis due to FAM111B mutations *Orphanet Journal of Rare Diseases* 2015 10:135 DOI 10.1186/s13023-015-0352-4

Paternoster L, Standl M, Waage J, Baurecht H, Hotze M, Strachan DP, Curtin JA, Bønnelykke K, Tian C, Takahashi A, Esparza-Gordillo J, Couto Alves A, Thyssen JP, den Dekker HT, Ferreira MA, Altmaier E, Sleiman PMA, Xiao FL, Gonzalez JR, Marenholz I, Kalb B, Pino-Yanes M, Xu C-J, Carstensen L, Groen-Blokhuis MM, Venturini C, Pennell CE, Barton AJ, Levin AM, Curjuric I, Bustamante M, Kreiner-Møller E, Lockett GA, Bacelis J, Bunyavanich S, Myers RA, Matanovic A, Kumar A, Tung JY, Hirota T, Kubo M, McArdle WL, Henderson AJ, Kemp JP, Zheng J, Davey Smith G, Rüschenhoff F, Bauerfeind A, Lee-Kirsch MA, Arnold A, Homuth G, Schmidt CO, Mangold E, Cichon S, Keil T, Elke Rodríguez E, Peters A, Franke A, Lieb W, Novak N, Fölster-Holst R, Horikoshi M, Pekkanen J, Sebert S, Husemoen LL, Grarup N, de Jongste JC, Rivadeneira F, Hofman A, Jaddoe VWW, Pasmans SGMA, Elbert NJ, Uitterlinden AG, Marks GB, Thompson PJ, 76, Matheson MC, Robertson CF, Australian Asthma Genetics Consortium (AAGC), Ried JS, Li J, Zuo XB, Zheng XD, Yin XY, Sun LD, McAleer MA, O'Regan GM, Fahy CMR, Campbell LE, Macek M, Kurek M, Hu D, Eng C, Postma DS, Feenstra B, Geller F, Hottenga JJ, Middeldorp CM, Hysi P, Bataille V, Spector T, Tiesler CMT, Thiering E, Pahukasahasram B, Yang JJ, Imboden M, Huntsman S, Vilor-Tejedor N, Relton CL, Myhre R, Nystad W, Custovic A, Weiss ST, Meyers DA, Söderhäll C, Melén E, Ober C, Raby BA, Simpson A, Jacobsson B, Holloway JW, Bisgaard H, Sunyer J, Probst-Hensch NM, Williams LL, Godfrey KM, Wang CA, Boomsma DI, Melbye M, Koppelman GH, Jarvis D, McLean WHI, Irvine AD, Zhang XJ, Hakonarson H, Gieger C, Burchard EG, Martin NG, Duijts L, Linneberg A, Jarvelin M-R, Noethen MM, Lau S, Hübner N, Lee Y-A, 11, Tamari M, Hinds DA, Glass D, Brown SJ, Heinrich J, Evans DM, Weidinger S. Multi-ethnic genome-wide association study of 21,000 cases and 95,000 controls identifies new risk loci for atopic dermatitis. *Nature Genetics* 2015 Oct 19. doi: 10.1038/ng.3424. [Epub ahead of print] PMID: 6482879

Saunders SP, Moran T, Floudas A, Wurlod F, Kaszlikowska A, Salimi M, Quinn EM, Oliphant CJ, Núñez G, McManus R, Hams E, Irvine AD, McKenzie AN, Ogg GS, Fallon PG. Spontaneous atopic dermatitis is mediated by innate immunity, with the secondary lung inflammation of the atopic march requiring adaptive immunity. *Journal of Allergy and Clinical Immunology* 2015 Aug 20. pii: S0091-6749(15)01022-2. doi: 10.1016/j.jaci.2015.06.045. [Epub ahead of print] PMID: 2629998

Schwarz K, Baurecht H, Hotze M, Fölster-Holst, R, Lee YAE, Franke A, Degenhardt F, Lieb W, Gieger C, Kabesch M, Nöthen MM, Irvine AD, Deckert S, Stephan V, Schwarz P, Aringer, M, Novak N, Weidinger S, Schmitt J. Epidemiologic and genetic association between atopic dermatitis, rheumatoid arthritis, inflammatory bowel disease, and type-1 diabetes. *Journal of Allergy and Clinical Immunology* 2015 Aug 4. pii: S0091-6749(15)00882-9. doi: 10.1016/j.jaci.2015.06.029. [Epub ahead of print] PMID: 26253344

Berki DM, Liu L, Choon SE, David Burden A, Griffiths CE, Navarini AA, Tan ES, Irvine AD, Ranki A, Ogo T, Petrof G, Mahil SK, Duckworth M, Allen MH, Vito P, Trembath RC, McGrath J, Smith CH, Capon F, Barker. Inactivating CARD14 mutations are associated with generalized pustular psoriasis but rarely account for familial recurrence in psoriasis vulgaris. *Journal of Investigative Dermatology* 2015 Jul 23. doi: 10.1038/jid.2015.288. [Epub ahead of print] PMID: 26203641

O'Donovan SM, Hourihane JO'BH, Murray DM, Kenny LC, Khashan AS, Chaoimh CN, Irvine AD, Kiely M. Neonatal adiposity increases the risk of atopic dermatitis during the first year of life. *Journal of Allergy and Clinical Immunology* 2015 Jul 17. pii: S0091-6749(15)00786-1. doi: 10.1016/j.jaci.2015.05.035. [Epub ahead of print] PMID: 26194543

O'Rafferty C, O'Regan GM, Irvine AD, Smith OP. Recent advances in the pathobiology and treatment of Kasabach-Merritt Syndrome. *British Journal of Haematology* 2015 Jun 30. doi: 10.1111/bjh.13557. [Epub ahead of print] PMID: 26123689

O'Rafferty C, O'Regan GM, Irvine AD, Smith OP. Kaposiform Haemangioendothelioma and platelet blockade. *British Journal of Haematology* 2015 Jun 26. doi: 10.1111/bjh.13558. [Epub ahead of print] PMID: 26114338

Riethmuller C[#], McAleer MA[#], Koppes SA, Abdayem R, Franz J, Haftek M, Campbell LE, MacCallum SF, McLean WH, Irvine AD*, Kezic S. Filaggrin Breakdown Products Determine Corneocyte Conformation in atopic Dermatitis. *Journal of Allergy and Clinical Immunology* 2015 Jun 11. pii: S0091-6749(15)00649-1.

doi: 10.1016/j.jaci.2015.04.042. [Epub ahead of print] PMID:26071937 *corresponding author #shared first authorship

McAleer MA, Pohler E, Smith FJD, Wilson NJ, Cole C, MacGowan S, Koetsier JL, Godsel LM, Harmon RM, Gruber R, Crumrie D, Elias PM, McDermott M, Butler K, Broderick A, Sarig O, Sprecher E, Green KJ, McLean WHI, Irvine AD. Severe Dermatitis, Multiple allergies and Metabolic (SAM) syndrome caused by a novel mutation in the N-terminal plakin domain of desmoplakin. *Journal of Allergy and Clinical Immunology* 2015 Jun 12. pii: S0091-6749(15)00653-3. doi: 10.1016/j.jaci.2015.05.002. [Epub ahead of print] PMID:26073755

Chen YC, Auer-Grumbach M, Matsukawa S, Zitzelsberger M, Themistocleous AC, Strom TM, Samara C, Moore AW, Cho LT, Young GT, Weiss C, Schabhüttl M, Stucka R, Schmid AB, Parman Y, Graul-Neumann L, Heinritz W, Passarge E, Watson RM, Hertz JM, Moog U, Baumgartner M, Valente EM, Pereira D, Restrepo CM, Katona I, Dusl M, Stendel C, Wieland T, Stafford F, Reimann F, von Au K, Finke C, Willems PJ, Nahorski MS, Shaikh SS, Carvalho OP, Nicholas AK, Karbani G, McAleer MA, Cilio MR, McHugh JC, Murphy SM, Irvine AD, Jensen UB, Windhager R, Weis J, Bergmann C, Rautenstrauss B, Baets J, De Jonghe P, Reilly MM, Kropatsch R, Kurth I, Chrast R, Michiue T, Bennett DL, Woods CG, Senderek J. Transcriptional regulator PRDM12 is essential for human pain perception. *Nature Genetics* 2015 May 25. doi: 10.1038/ng.3308. [Epub ahead of print] PMID: 26005867

Quinn N, MacMahon J, Irvine AD, Lowry C. Sweet syndrome revealing systemic lupus erythematosus. *Irish Medical Journal* 2015 Feb; 108(2):59-60. PMID: 25803961

Purcell C, Cant A, Irvine AD. DOCK8 Primary Immunodeficiency Syndrome. *Lancet*, 2015 Mar 19. pii: S0140-6736(14)62039-0. doi: 10.1016/S0140-6736(14)62039-0. [Epub ahead of print] PMID: 25618747

O'Donovan SM, Murray DM, Kenny LC, Hourihane JO'B, Irvine AD, Kiely M. Adherence with early infant feeding and complementary feeding guidelines in the Cork BASELINE Birth Cohort Study. *Public Health Nutrition* 2015 Feb 18:1-10 [Epub ahead of print] PMID: 25690944

Kelleher M, Dunn-Galvin A, Hourihane JO'B, Murray D, Campbell LE, McLean WHI, Irvine AD. Skin Barrier Dysfunction measured by Transepidermal Water Loss (TEWL) at 2 days and 2 months Predates and Predicts Atopic Dermatitis at 1 year. *Journal of Allergy*

and Clinical Immunology 2015 Apr; 135 (4):930-5. e1. doi: 10.1016/j.jaci.2014.12.013. Epub 2015 Jan 22. PMID: 25618747

Higgins E, Al Shehri T, McAleer MA, Feighery F, Lilic D, Irvine AD. Use of ruxolitinib to successfully treat chronic mucocutaneous candidiasis caused by gain-of-function signal transducer and activator of transcription 1 (STAT1) mutation. *Journal of Allergy and Clinical Immunology* 2015 Feb; 135(2):551-553. e3. doi: 10.1016/j.jaci.2014.12.1867. PMID: 25662309

Baurecht H, Hotze M, Brand S, Büning C, Cormican P, Corvin A, Ellinghaus D, Ellinghaus E, Esparza-Gordillo J, Fölster-Holst R, Franke A, Gieger C, Hubner N, Illig T, Irvine AD, Kabesch M, Lee YAE, Lieb W, Marenholz I, McLean WHI, Morris DW, Mrowietz U, Nair R, Nöthen MN, Novak N, O'Regan GM, The PAGE consortium, Schreiber S, Smith C, Strauch K, Stuart PE, Trembath R, Tsoi LC, Weichenthal M, Barker JNWN, Elder JT, Weidinger S, Cordell HJ, Brown SJ. Genome-wide comparative analysis of atopic dermatitis and psoriasis gives insight into opposing genetic mechanisms. *Am J Hum Genet.* 2015 Jan 8; 96(1): 104-20. doi: 10.1016/j.ajhg.2014.12.004. PMID: 25574825

Hussain S, Berki DM, Choon S-E, Burden DA, Allen MH, Arostegui JI, Chaves A Duckworth M, Irvine AD, Mockenhaupt M, Navarini AA, Seyger MMB, Soler-Palacin P, Prins C, Valeyrie-Allanore L, Vincente MA, Trembath RC, Smith CH, Barker JN, Capon F. IL36RN mutations define a severe auto-inflammatory phenotype of generalized pustular psoriasis. *Journal of Allergy and Clinical Immunology* 2015 Apr; 135(4):1067-1070. e9. doi: 10.1016/j.jaci.2014.09.043. Epub 2014 Nov 12. PMID: 25458002

Clinical Research Unit (9)

Davies, G., Armstrong, N., Bis, J. C., Bressler, J., Chouraki, V., Giddaluru, S., Hofer, E., Ibrahim-Verbaas, C. A., Kirin, M., Lahti, J., van der Lee, S. J., Le Hellard, S., Liu, T., Marioni, R. E., Oldmeadow, C., Postmus, I., Smith, A. V., Smith, J. A., Thalamuthu, A., Thomson, R., Vitart, V., Wang, J., Yu, L., Zgaga, L., Zhao, W., Boxall, R., Harris, S. E., Hill, W. D., Liewald, D. C., Luciano, M., Adams, H., Ames, D., Amin, N., Amouyel, P., Assareh, A. A., Au, R., Becker, J. T., Beiser, A., Berr, C., Bertram, L., Boerwinkle, E., Buckley, B. M., Campbell, H., Corley, J., De Jager, P. L., Dufouil, C., Eriksson, J. G., Espeseth, T., Faul, J. D., Ford, I., Generation, S., Gottesman, R. F., Griswold, M. E., Gudnason, V., Harris, T. B., Heiss, G., Hofman, A., Holliday, E. G., Huffman, J., Kardia, S. L., Kochan, N., Knopman, D. S., Kwok, J. B., Lambert, J. C., Lee, T., Li, G., Li, S. C., Loitfelder, M., Lopez, O. L., Lundervold, A. J., Lundqvist, A., Mather, K. A., Mirza, S. S., Nyberg,

L., Oostra, B. A., Palotie, A., Papenberg, G., Pattie, A., Petrovic, K., Polasek, O., Psaty, B. M., Redmond, P., Reppermund, S., Rotter, J. I., Schmidt, H., Schuur, M., Schofield, P. W., Scott, R. J., Steen, V. M., Stott, D. J., van Swieten, J. C., Taylor, K. D., Trollor, J., Trompet, S., Uitterlinden, A. G., Weinstein, G., Widen, E., Windham, B. G., Jukema, J. W., Wright, A. F., Wright, M. J., Yang, Q., Amieva, H., Attia, J. R., Bennett, D. A., Brodaty, H., de Craen, A. J., Hayward, C., Ikram, M. A., Lindenberg, U., Nilsson, L. G., Porteous, D. J., Raikonen, K., Reinvang, I., Rudan, I., Sachdev, P. S., Schmidt, R., Schofield, P. R., Srikanth, V., Starr, J. M., Turner, S. T., Weir, D. R., Wilson, J. F., van Duijn, C., Launer, L., Fitzpatrick, A. L., Seshadri, S., Mosley, T. H., Jr. and Deary, I. J. (2015) Genetic contributions to variation in general cognitive function: a meta-analysis of genome-wide association studies in the CHARGE consortium (N=53949). *Mol Psychiatry*, 20(2), pp. 183-92.

DeBette, S., Ibrahim Verbaas, C. A., Bressler, J., Schuur, M., Smith, A., Bis, J. C., Davies, G., Wolf, C., Gudnason, V., Chibnik, L. B., Yang, Q., deStefano, A. L., de Quervain, D. J., Srikanth, V., Lahti, J., Grabe, H. J., Smith, J. A., Priebe, L., Yu, L., Karbalai, N., Hayward, C., Wilson, J. F., Campbell, H., Petrovic, K., Fornage, M., Chauhan, G., Yeo, R., Boxall, R., Becker, J., Stegle, O., Mather, K. A., Chouraki, V., Sun, Q., Rose, L. M., Resnick, S., Oldmeadow, C., Kirin, M., Wright, A. F., Jonsdottir, M. K., Au, R., Becker, A., Amin, N., Nalls, M. A., Turner, S. T., Kardia, S. L., Oostra, B., Windham, G., Coker, L. H., Zhao, W., Knopman, D. S., Heiss, G., Griswold, M. E., Gottesman, R. F., Vitart, V., Hastie, N. D., Zgaga, L., Rudan, I., Polasek, O., Holliday, E. G., Schofield, P., Choi, S. H., Tanaka, T., An, Y., Perry, R. T., Kennedy, R. E., Sale, M. M., Wang, J., Wadley, V. G., Liewald, D. C., Ridker, P. M., Gow, A. J., Pattie, A., Starr, J. M., Porteous, D., Liu, X., Thomson, R., Armstrong, N. J., Eiriksdottir, G., Assareh, A. A., Kochan, N. A., Widen, E., Palotie, A., Hsieh, Y. C., Eriksson, J. G., Vogler, C., van Swieten, J. C., Shulman, J. M., Beiser, A., Rotter, J., Schmidt, C. O., Hoffmann, W., Nothen, M. M., Ferrucci, L., Attia, J., Uitterlinden, A. G., Amouyel, P., Dartigues, J. F., Amieva, H., Raikonen, K., Garcia, M., Wolf, P. A., Hofman, A., Longstreth, W. T., Jr., Psaty, B. M., Boerwinkle, E., DeJager, P. L., Sachdev, P. S., Schmidt, R., Breteler, M. M., Teumer, A., Lopez, O. L., Cichon, S., Chasman, D. I., Grodstein, F., Muller-Myhsok, B., Tzourio, C., Papassotiropoulos, A., Bennett, D. A., Ikram, M. A., Deary, I. J., van Duijn, C. M., Launer, L., Fitzpatrick, A. L., Seshadri, S., Mosley, T. H., Jr., Cohorts for, H. and Aging Research in Genomic Epidemiology, C. (2015) Genome-wide studies of verbal declarative memory in nondemented older people: the Cohorts for Heart and Aging Research in Genomic Epidemiology consortium. *Biol Psychiatry*, 77(8), pp. 749-63.

Dunlop, M. G., Zgaga, L., Theodoratou, E., Farrington, S. M., Din, F. V. and Campbell, H. (2015) Reply to F.J.S. Conway et Al. *J Clin Oncol*, 33(2), pp. 224-5.

Genetics of Personality, C., de Moor, M. H., van den Berg, S. M., Verweij, K. J., Krueger, R. F., Luciano, M., Arias Vasquez, A., Matteson, L. K., Derringer, J., Esko, T., Amin, N., Gordon, S. D., Hansell, N. K., Hart, A. B., Seppala, I., Huffman, J. E., Konte, B., Lahti, J., Lee, M., Miller, M., Nobile, T., Tanaka, T., Teumer, A., Viktorin, A., Wedenoja, J., Abecasis, G. R., Adkins, D. E., Agrawal, A., Allik, J., Appel, K., Bigdeli, T. B., Busonero, F., Campbell, H., Costa, P. T., Davey Smith, G., Davies, G., de Wit, H., Ding, J., Engelhardt, B. E., Eriksson, J. G., Fedko, I. O., Ferrucci, L., Franke, B., Giegling, I., Grucza, R., Hartmann, A. M., Heath, A. C., Heinonen, K., Henders, A. K., Homuth, G., Hottenga, J. J., Iacono, W. G., Janzing, J., Jokela, M., Karlsson, R., Kemp, J. P., Kirkpatrick, M. G., Latvala, A., Lehtimaki, T., Liewald, D. C., Madden, P. A., Magri, C., Magnusson, P. K., Marten, J., Maschio, A., Medland, S. E., Mihailov, E., Milaneschi, Y., Montgomery, G. W., Nauck, M., Ouwens, K. G., Palotie, A., Pettersson, E., Polasek, O., Qian, Y., Pulkki-Raback, L., Raitakari, O. T., Realo, A., Rose, R. J., Ruggiero, D., Schmidt, C. O., Slutske, W. S., Sorice, R., Starr, J. M., St Pourcain, B., Sutin, A. R., Timpson, N. J., Trochet, H., Vermeulen, S., Vuoksimaa, E., Widen, E., Wouda, J., Wright, M. J., Zgaga, L., Porteous, D., Minelli, A., Palmer, A. A., Rujescu, D., Ciullo, M., Hayward, C., Rudan, I., Metspalu, A., Kaprio, J., Deary, I. J., Raikonen, K., Wilson, J. F., Keltikangas-Jarvinen, L., Bierut, L. J., Hettema, J. M., Grabe, H. J., van Duijn, C. M., Evans, D. M., Schlessinger, D., Pedersen, N. L., Terracciano, A., McGue, M., Penninx, B. W., Martin, N. G. and Boomsma, D. I. (2015) Meta-analysis of Genome-wide Association Studies for Neuroticism, and the Polygenic Association With Major Depressive Disorder. *JAMA Psychiatry*, 72(7), pp. 642-50.

Holleran, G., Hall, B., Zgaga, L., Breslin, N. and McNamara, D. (2016) The natural history of small bowel angiodysplasia. *Scand J Gastroenterol*, 51(4), pp. 393-9.

Ibrahim-Verbaas, C. A., Bressler, J., DeBette, S., Schuur, M., Smith, A. V., Bis, J. C., Davies, G., Trompet, S., Smith, J. A., Wolf, C., Chibnik, L. B., Liu, Y., Vitart, V., Kirin, M., Petrovic, K., Polasek, O., Zgaga, L., Fawns-Ritchie, C., Hoffmann, P., Karjalainen, J., Lahti, J., Llewellyn, D. J., Schmidt, C. O., Mather, K. A., Chouraki, V., Sun, Q., Resnick, S. M., Rose, L. M., Oldmeadow, C., Stewart, M., Smith, B. H., Gudnason, V., Yang, Q., Mirza, S. S., Jukema, J. W., deJager, P. L., Harris, T. B., Liewald, D. C., Amin, N., Coker, L. H., Stegle, O., Lopez, O. L., Schmidt, R., Teumer, A., Ford, I., Karbalai, N., Becker, J. T., Jonsdottir, M. K., Au, R., Fehrmann, R. S., Herms, S., Nalls, M., Zhao, W., Turner, S. T., Yaffe, K., Lohman, K., van

Swieten, J. C., Kardia, S. L., Knopman, D. S., Meeks, W. M., Heiss, G., Holliday, E. G., Schofield, P. W., Tanaka, T., Stott, D. J., Wang, J., Ridker, P., Gow, A. J., Pattie, A., Starr, J. M., Hocking, L. J., Armstrong, N. J., McLachlan, S., Shulman, J. M., Pilling, L. C., Eiriksdottir, G., Scott, R. J., Kochan, N. A., Palotie, A., Hsieh, Y. C., Eriksson, J. G., Penman, A., Gottesman, R. F., Oostra, B. A., Yu, L., DeStefano, A. L., Beiser, A., Garcia, M., Rotter, J. I., Nothen, M. M., Hofman, A., Slagboom, P. E., Westendorp, R. G., Buckley, B. M., Wolf, P. A., Uitterlinden, A. G., Psaty, B. M., Grabe, H. J., Bandinelli, S., Chasman, D. I., Grodstein, F., Raikonen, K., Lambert, J. C., Porteous, D. J., Generation, S., Price, J. F., Sachdev, P. S., Ferrucci, L., Attia, J. R., Rudan, I., Hayward, C., Wright, A. F., Wilson, J. F., Cichon, S., Franke, L., Schmidt, H., Ding, J., de Craen, A. J., Fornage, M., Bennett, D. A., Deary, I. J., Ikram, M. A., Launer, L. J., Fitzpatrick, A. L., Seshadri, S., van Duijn, C. M. and Mosley, T. H. (2016) GWAS for executive function and processing speed suggests involvement of the CADM2 gene. *Mol Psychiatry*, 21(2), pp. 189-97.

Kelly, D., Theodoratou, E., Farrington, S., Fraser, R., Campbell, H., Dunlop, M. G. and Zgaga, L. (2015) The Contributions of Adjusted Ambient UVB at the Place of Residence and Other Determinants to Serum 25-Hydroxyvitamin D Concentrations. *Br J Dermatol*.

Timofeeva, M. N., Kinnersley, B., Farrington, S. M., Whiffin, N., Palles, C., Svinti, V., Lloyd, A., Gorman, M., Ooi, L. Y., Hosking, F., Barclay, E., Zgaga, L., Dobbins, S., Martin, L., Theodoratou, E., Broderick, P., Tenesa, A., Smillie, C., Grimes, G., Hayward, C., Campbell, A., Porteous, D., Deary, I. J., Harris, S. E., Northwood, E. L., Barrett, J. H., Smith, G., Wolf, R., Forman, D., Morreau, H., Ruano, D., Tops, C., Wijnen, J., Schrupf, M., Boot, A., Vasen, H. F., Hes, F. J., van Wezel, T., Franke, A., Lieb, W., Schafmayer, C., Hampe, J., Buch, S., Propping, P., Hemminki, K., Forsti, A., Westers, H., Hofstra, R., Pinheiro, M., Pinto, C., Teixeira, M., Ruiz-Ponte, C., Fernandez-Rozadilla, C., Carracedo, A., Castells, A., Castellvi-Bel, S., Campbell, H., Bishop, D. T., Tomlinson, I. P., Dunlop, M. G. and Houlston, R. S. (2015) Recurrent Coding Sequence Variation Explains Only A Small Fraction of the Genetic Architecture of Colorectal Cancer. *Sci Rep*, 5, pp. 16286.

van den Berg, S. M., de Moor, M. H., Verweij, K. J., Krueger, R. F., Luciano, M., Arias Vasquez, A., Matteson, L. K., Derringer, J., Esko, T., Amin, N., Gordon, S. D., Hansell, N. K., Hart, A. B., Seppala, I., Huffman, J. E., Konte, B., Lahti, J., Lee, M., Miller, M., Nobile, T., Tanaka, T., Teumer, A., Viktorin, A., Wedenoja, J., Abdellaoui, A., Abecasis, G. R., Adkins, D. E., Agrawal, A., Allik, J., Appel, K., Bigdeli, T. B., Busonero, F., Campbell, H., Costa, P. T., Smith, G. D., Davies, G., de Wit, H., Ding, J., Engelhardt, B.

E., Eriksson, J. G., Fedko, I. O., Ferrucci, L., Franke, B., Giegling, I., Grucza, R., Hartmann, A. M., Heath, A. C., Heinonen, K., Henders, A. K., Homuth, G., Hottenga, J. J., Iacono, W. G., Janzing, J., Jokela, M., Karlsson, R., Kemp, J. P., Kirkpatrick, M. G., Latvala, A., Lehtimäki, T., Liewald, D. C., Madden, P. A., Magri, C., Magnusson, P. K., Marten, J., Maschio, A., Mbarek, H., Medland, S. E., Mihailov, E., Milaneschi, Y., Montgomery, G. W., Nauck, M., Nivard, M. G., Ouwers, K. G., Palotie, A., Pettersson, E., Polasek, O., Qian, Y., Pulkki-Raback, L., Raitakari, O. T., Realo, A., Rose, R. J., Ruggiero, D., Schmidt, C. O., Slutske, W. S., Sorice, R., Starr, J. M., St Pourcain, B., Sutun, A. R., Timpson, N. J., Trochet, H., Vermeulen, S., Vuoksimaa, E., Widen, E., Wouda, J., Wright, M. J., Zgaga, L., Generation, S., Porteous, D., Minelli, A., Palmer, A. A., Rujescu, D., Ciullo, M., Hayward, C., Rudan, I., Metspalu, A., Kaprio, J., Deary, I. J., Raikonen, K., Wilson, J. F., Keltikangas-Jarvinen, L., Bierut, L. J., Hettema, J. M., Grabe, H. J., Penninx, B. W., van Duijn, C. M., Evans, D. M., Schlessinger, D., Pedersen, N. L., Terracciano, A., McGue, M., Martin, N. G. and Boomsma, D. I. (2016) Meta-analysis of Genome-Wide Association Studies for Extraversion: Findings from the Genetics of Personality Consortium. *Behav Genet*, 46(2), pp. 170-82.

Psychiatry (9)

McNicholas, F., Reulbach, U., Hanrahan, S.O. and Sakar, M., Are parents and children satisfied with CAMHS?. *Irish Journal of Psychological Medicine / FirstView Article / September 2015*, pp 1 – 7 DOI: 10.1017/ipm.2015.36, Published online: 09 September 2015

Coyne I, McNamara N, Healy M, Gower C, Sarkar M and McNicholas F (2015). Adolescents' and parents' views of Child and Adolescent Mental Health Services (CAMHS) in Ireland. *Journal of Psychiatric and Mental Health Nursing*, 22(8), 561-9. PMID: 25977175

Leahy D, Schaffalitzky E, Saunders J, Armstrong C, Meagher D, Ryan P, Dooley B, McNicholas F, McGorry P and Cullen W (2015). Role of the general practitioner in providing early intervention for youth mental health: a mixed methods investigation. *Early Intervention in Psychiatry*. PMID: 26693835

McNicholas F, O'Connor C, O'Hara L. and McNamara N. (2015) Stigma and treatment of eating disorders in Ireland: healthcare professionals' knowledge and attitudes. *Irish Journal of Psychological Medicine*, 1-11. doi:10.1017/ipm.2015.24.

McNicholas F, Healy E, White M, Sheridan-Pereira M, O'Connor N, Coakley S, and Dooley, B (2015). Mental health outcomes at age 11 of very low birth weight infants in Ireland. *Irish Journal of Psychological Medicine*. DOI: 10.1017/ipm.2015.25

McNicholas F, Adamson N, McNamara N, Gavin B, Paul M, Ford T, Barry S, Dooley B, Coyne I, Cullen W and Singh SP (2015). Who is in the transition gap? Transition from CAMHS to AMHS in the Republic of Ireland. *Irish Journal of Psychological Medicine*, 32: 61-69. doi:10.1017/ipm.2015.2.

Kavanagh G, O'Hanrahan S, Hughes G and McNicholas F (2015). Review of clinical guidelines for children and adolescents with attention deficit hyperactivity disorder and their application to an Irish context. *Irish Journal of Psychological Medicine* doi:10.1017/ipm.2014.63.

Leahy D, Schaffalitzky E, Armstrong C, Latham L, McNicholas F, Meagher D, Nathan Y, O'Connor R, O'Keane V, Ryan P, Smyth BP, Swan D and Cullen W. (2015). How social context impacts on the development, identification and treatment of mental and substance use disorders among young people – a qualitative study of health care workers. *Irish Journal of Psychological Medicine*, 32(1), 117-128.

Twohig A, Reulbach U, Figuerdo R, McCarthy A, McNicholas F, Molloy E (2016) Supporting Preterm Infant Attachment and Socioemotional Development in the Neonatal Intensive Care Unit: Staff Perceptions. *Infant Mental Health Journal*. Vol.37(2), 160-171 .Accepted for publication 2015**PMID: 26938792

Orthopaedics (4)

Nugent M, Tarrant RC, Queally JM, Sheeran P, Moore DP & Kiely PJ (2015) Influence of curve magnitude and other variables on operative time, blood loss and transfusion requirements in adolescent idiopathic scoliosis. *Ir J Med Sci* (3rd May): epub ahead of print PMID 25935207

Tarrant RC, Nugent M, Nugent A, Queally JM, Moore DP & Kiely PJ (2015) Anthropometric characteristics, high incidence of postoperative undernutrition and weight loss - impact on outcomes in patients with adolescent idiopathic scoliosis undergoing major spinal deformity surgery. *Eur Spine J* 24(2), pp 281-289. PMID 25351840

O Mir, M., Cooney, C., Kelly, P., Noel, J., Kiely, P. & Moore, D. 2015. The Effectiveness of a Physiotherapy Triage Clinic in Paediatric Orthopaedics. *Physiotherapy*, 101, e1113-e1114.

Purcell P, Tiernan S, McEvoy F, Morris S.,2015, "Strong similarities in the creep and damage behaviour of a synthetic bone model compared to Human trabecular bone under compressive cyclic loading" *Journal of Mechanical Behaviour of Biomedical Materials*, pp51–59, Vol 48. PMID:25913608

Neonatology (16)

Kieran EA, Laffan EE, O'Donnell CPF.(2016 – Published online first Aug 11 2015) Estimating umbilical catheter insertion depth in newborns using weight or measurement: a randomised trial. *Arch Dis Child Fetal Neonatal Ed* 101: F10-F15 PMID: 26265678

Geoghegan AR, Moore S, O'Donnell CPF (2015) Doctors' perceptions of the cost of consumable items used in neonatal intensive care. *Acta Paediatr* Aug 3. doi: 10.1111/apa.13145. [Epub ahead of print]

Flinn A, Travers C, Laffan EE, O'Donnell CPF (2015) A randomized trial of estimating neonatal endotracheal tube insertion depth using weight or gestation. *Neonatology* 107:167-172 PMID: 25592171

O'Donnell CPF, Bruschetti M, Davis PG, Morley CJ, Moja L, Calevo MG, Zappettini S Sustained versus standard inflations during neonatal resuscitation to prevent mortality and improve respiratory outcomes. (2015) *Cochrane Database Syst Rev*. 2015 Jul 1;7:CD004953. doi: 10.1002/14651858.CD004953. pub2. PMID: 26132716

Onwuneme C, Blanco A, O'Neill A, Watson B, Molloy EJ. Vitamin D enhances reactive oxygen intermediates production in phagocytic cells in term and preterm infants. *Pediatr Res*. 2015 Dec 21. doi: 10.1038/pr.2015.268. [Epub ahead of print] PMID: 26690713

Donnelly JM, Lindsay KL, Walsh JM, Horan M, Molloy EJ, McAuliffe FM. Fetal metabolic influences of neonatal anthropometry and adiposity. *BMC Pediatr*. 2015 Nov 10;15:175. PMID: 26555879

Geoghegan S, Nicholson AJ, Molloy EJ. Incorporating Teaching in Global Child Health into Irish Medical School Curriculum. *Ir Med J*. 2015 Jul-Aug;108(7):194. PMID: 26349343

Onwuneme C, Diya B, Uduma O, McCarthy RA, Murphy N, Kilbane MT, McKenna MJ, Molloy EJ. Correction of vitamin D deficiency in a cohort of newborn infants using daily 200 IU vitamin D supplementation. *Ir J Med Sci*. 2015 Jul 26. [Epub ahead of print] PMID: 26210881

Onwuneme C, Carroll A, Doherty D, Bruell H, Segurado R, Kilbane M, Murphy N, McKenna MJ, Molloy EJ. Inadequate vitamin D levels are associated with culture positive sepsis and poor outcomes in paediatric intensive care. *Acta Paediatr*. 2015 Oct;104(10):e433-8. PMID: 26096884

Onwuneme C, Martin F, McCarthy R, Carroll A, Segurado R, Murphy J, Twomey A, Murphy N, Kilbane M, McKenna M, Molloy E. The Association of Vitamin D Status with Acute Respiratory Morbidity in Preterm Infants. *J Pediatr*. 2015 May;166(5):1175-1180.e1. PMID: 25919726

O'Hare FM, Watson W, O'Neill A, Grant T, Onwuneme C, Donoghue V, Mooney E, Downey P, Murphy J, Twomey A, Molloy EJ. Neutrophil and monocyte toll-like receptor 4, CD11b and reactive oxygen intermediates, and neuroimaging outcomes in preterm infants. *Pediatr Res*. 2015 Jul;78(1):82-90. PMID: 25826119

Aslam S, Molloy EJ. Biomarkers of multiorgan injury in neonatal encephalopathy. *Biomark Med*. 2015;9(3):267-75. PMID: 25731212

O'Hare FM, Watson RW, O'Neill A, Blanco A, Donoghue V, Molloy EJ. Persistent systemic monocyte and neutrophil activation in neonatal encephalopathy. *J Matern Fetal Neonatal Med*. 2016 Feb;29(4):582-9. PMID: 25694256

Eliwan HO, Watson RW, Aslam S, Regan I, Philbin B, O'Hare FM, O'Neill A, Preston R, Blanco A, Grant T, Nolan B, Smith O, Molloy EJ. Neonatal brain injury and systemic inflammation: modulation by activated protein C ex vivo. *Clin Exp Immunol*. 2015 Mar;179(3):477-84. PMID: 25204207

Horan M, Gibney E, Molloy E, McAuliffe F. Methodologies to assess paediatric adiposity. *Ir J Med Sci*. 2015 Mar;184(1):53-68. PMID: 24791970

Donnelly JM, Walsh JM, Byrne J, Molloy EJ, McAuliffe FM. Impact of maternal diet on neonatal anthropometry: a randomized controlled trial. *Pediatr Obes*. 2015 Feb;10(1):52-6. PMID: 24443392

Rheumatology (2)

Foley C, MacDermott EJ, Killeen OG (2015) Down's Arthropathy: Features of inflammatory arthritis in children with Trisomy 21. *Abstract Book, Official Supplement to the Annals of Rheumatic Diseases*.