

Recent Publications – Faculty of Health Sciences

BY MEMBERS OF THE STAFF AND BY RESEARCH STUDENTS WORKING UNDER THEIR SUPERVISION

The publications information has been derived from the College's Research Support System. Every effort has been made to ensure that the information is accurate and complete. Please notify the Research Support Systems Administrator (email: rssadmin@tcd.ie) of any errors or omissions which will be corrected in next year's Calendar.

School of Dental Science

ORAL BIOSCIENCES

Boyle, Maria, 'Elimination of biofilm and microbial contamination reservoirs in hospital washbasin u-bends by automated cleaning and disinfection with electrochemically activated solutions', *Journal of Hospital Infection*, 94, 2 (2016), 169-174 [J.S. Swan, E.C. Deasy, M.A. Boyle, R.J. Russell, M.J. O'Donnell, D.C. Coleman]

Coleman, David, 'Elimination of biofilm and microbial contamination reservoirs in hospital washbasin u-bends by automated cleaning and disinfection with electrochemically activated solutions', *Journal of Hospital Infection*, 94, 2 (2016), 169-174 [J.S. Swan, E.C. Deasy, M.A. Boyle, R.J. Russell, M.J. O'Donnell, D.C. Coleman]

'Diversity of *Staphylococcus aureus* isolates in European wildlife', *PLoS ONE*, 11, 12 (2016), 1-27, e0168433 [S. Monecke, D. Gavier-Widén, H. Hotzel (...), D.C. Coleman, R. Ehricht]

'Reduced pro-inflammatory responses to *Staphylococcus aureus* bloodstream infection and low prevalence of enterotoxin genes in isolates from patients with haemodialysis', *European Journal of Clinical Microbiology and Infectious Diseases*, 36, 1 (2017), 33-42 [S. McNicholas, A. Fe Talento, J. O'Gorman (...), D.C. Coleman *et al.*]

'The recent emergence in hospitals of multidrug-resistant community-associated sequence type 1 and spa type t127 methicillin-resistant *Staphylococcus aureus* investigated by whole-genome sequencing: implications for screening', *PLoS ONE*, 12, 4 (2017), 1-17: e0175542 [M.R. Earls, P.M. Kinnevey, G.I. Brennan (...), A.C. Shore, D.C. Coleman]

Deasy, Emily, 'Comparative genotypes, Staphylococcal Cassette Chromosome mec (SCCmec) genes and antimicrobial resistance amongst *Staphylococcus epidermidis* and *Staphylococcus haemolyticus* isolates from infections in humans and companion animals', *PLoS ONE*, 10, 9 (2015), 1-18, e0138079 [B.A. McManus, D.C. Coleman, E.C. Deasy, G.I. Brennan, B. O'Connell, S. Monecke, R. Ehricht, B. Leggett, N. Leonard, A.C. Shore]

'Elimination of biofilm and microbial contamination reservoirs in hospital washbasin u-bends by automated cleaning and disinfection with electrochemically activated solutions', *Journal of Hospital Infection*, 94, 2 (2016), 169-174 [J.S. Swan, E.C. Deasy, M.A. Boyle, R.J. Russell, M.J. O'Donnell, D.C. Coleman]

Fleming, Garry, 'The histone-deacetylase-inhibitor suberoylanilide hydroxamic acid promotes dental pulp repair mechanisms through modulation of matrix metalloproteinase-13 activity', *Journal of Cellular Physiology*, 231 (2016), 798-816 [H.F. Duncan, A.J. Smith, G.J.P. Fleming, N.C. Partridge, E. Shimizu, G.P. Moran, P.R. Cooper]

'Release of bio-active dentine extracellular matrix components by histone deacetylase inhibitors (HDACi)', *International Endodontic Journal*, 50, 1 (2017), 24-38 [H.F. Duncan, A.J. Smith, G.J.P. Fleming, C. Reid, G. Smith, P.R. Cooper]

Recent publications – Faculty of Health Sciences

- 'Epigenetic modulation of dental pulp stem cells: implications for regenerative endodontics', *International Endodontic Journal*, 49, 5 (2016), 431-436 [H.F. Duncan, A.J. Smith, G.J.P. Fleming, P.R. Cooper]
- 'A discriminatory mechanical testing performance indicator protocol for hand-mixed glass-ionomer restoratives', *Dental Materials*, 31, 3 (2015), 273-283 [M.S. Baig, A.H. Dowling, X. Cao, G.J.P. Fleming]
- 'Data acquisition variability using profilometry to produce accurate mean total volumetric wear and mean maximum wear depth measurements for the OHSU oral wear simulator', *Dental Materials*, 32, 8 (2016), e176-e184 [G.J.P. Fleming, E. Reilly, A.H. Dowling, O. Addison]
- 'Assessment of wear facets produced by the ACTA wear machine', *Journal of Dentistry*, 45 (2016), 19-25 [A.R. Benetti, L. Larsen, A.H. Dowling, G.J.P. Fleming]
- 'The histone-deacetylase-inhibitor suberoylanilide hydroxamic acid promotes dental pulp repair mechanisms through modulation of matrix metalloproteinase-13 activity', *Journal of Cellular Physiology*, 231, 4 (2015), 798-816 [H.F. Duncan, A.J. Smith, G.J.P. Fleming, N.C. Partridge, E. Shimizu, G.P. Moran and P.R. Cooper]
- Kinnevey, Peter**, 'The recent emergence in hospitals of multidrug-resistant community-associated sequence type 1 and spa type t127 methicillin-resistant *Staphylococcus aureus* investigated by whole-genome sequencing: implications for screening', *PLoS ONE*, 12, 4 (2017), 1-17, e0175542 [M.R. Earls, P.M. Kinnevey, G.I. Brennan (...), A.C. Shore, D.C. Coleman]
- Moran, Gary**, 'Amplification of TLO mediator subunit genes facilitate filamentous growth in *Candida* spp.', *PLoS Genetics*, 12, 10 (2016), <http://dx.doi.org/10.1371/journal.pgen.1006373> [Z. Liu, G. Moran, D. Sullivan, D. MacCallum, L. Myers]
- 'The *Porphyromonas gingivalis* hemagglutinins hagB and hagC are major mediators of adhesion and biofilm formation', *Molecular Oral Microbiology*, 32, 1 (2017), 35-47 [E. Connolly, E. Millhouse, R. Doyle, S. Culshaw, G. Ramage, G.P. Moran]
- O'Donnell, Mary**, 'Elimination of biofilm and microbial contamination reservoirs in hospital washbasin u-bends by automated cleaning and disinfection with electrochemically activated solutions', *Journal of Hospital Infection*, 94, 2 (2016), 169-174 [J.S. Swan, E.C. Deasy, M.A. Boyle, R.J. Russell, M.J. O'Donnell, D.C. Coleman]
- Shore, Anna**, 'Diversity of *Staphylococcus aureus* isolates in European wildlife', *PLoS ONE*, 11, 12 (2016), 1-27, e0168433 [S. Monecke, D. Gavier-Widén, H. Hotsel (...), A.C. Shore *et al.*]
- 'Reduced pro-inflammatory responses to *Staphylococcus aureus* bloodstream infection and low prevalence of enterotoxin genes in isolates from patients with haemodialysis', *European Journal of Clinical Microbiology and Infectious Diseases*, 36, 1 (2017), 33-42 [S. McNicholas, A. Fe Talento, J. O'Gorman (...), A.C. Shore *et al.*]
- 'The recent emergence in hospitals of multidrug-resistant community-associated sequence type 1 and spa type t127 methicillin-resistant *Staphylococcus aureus* investigated by whole-genome sequencing: implications for screening', *PLoS ONE*, 12, 4 (2017), 1-17, e0175542 [M.R. Earls, P.M. Kinnevey, G.I. Brennan (...), A.C. Shore, D.C. Coleman]
- Sullivan, Derek**, 'Amplification of TLO mediator subunit genes facilitate filamentous growth in *Candida* spp.', *PLoS Genetics*, 12, 10 (2016), <http://dx.doi.org/10.1371/journal.pgen.1006373> [Z. Liu, G. Moran, D. Sullivan, D. MacCallum, L. Myers]

ORAL AND MAXILLOFACIAL SURGERY, MEDICINE, PATHOLOGY AND RADIOLOGY

- Galvin, Sheila**, 'Patch testing in oral lichenoid lesions of uncertain etiology', *Dermatitis*, 26, 2 (2015), 89-93 [M. Lynch, A. Ryan, S. Galvin (...), S. Rogers, P. Collins]
- 'Ebola virus disease: review and implications for dentistry in Ireland', *Journal of the Irish Dental Association*, 61, 3 (2015), 141-143 [S. Galvin, S.R. Flint, C.M. Healy]

Recent publications – Faculty of Health Sciences

'Controversies regarding dental management of medically complex patients: assessment of current recommendations', *Oral Surgery Oral Medicine Oral Pathology and Oral Radiology*, 120 (2015), 207-226 [J.J. Napenas, O. Kujan, P.G. Arduino (...), S. Galvin *et al.*]

Healy, Claire, 'Genome-wide association analyses identify new susceptibility loci for oral cavity and pharyngeal cancer', *Nature Genetics*, 48, 12 (2016), 1544-1550 [C. Lesueur, B. Diergaarde, A.F. Olshan]

'Combined effects of smoking and HPV16 in oropharyngeal cancer', *International Journal of Epidemiology*, 45, 3 (2016), 752-761 [D. Anantharaman, D.C. Muller, P. Lagiou]

PUBLIC AND CHILD DENTAL HEALTH

Daly, Blanaid, 'Dental management of patients with dementia in primary dental care', *Primary Dental Journal*, 4, 2 (2015), 55-60 [S. Moosajee, S. Rafique, B. Daly]

'The effects of providing periodontal disease risk information on psychological outcomes - a randomized controlled trial', *Journal of Clinical Periodontology*, 42, 4 (2015), 350-5 [K. Asimakopoulou, J.T. Newton, B. Daly, Y. Kutzer, M. Ide]

'Promoting good dental health in older people: role of the community nurse', *British Journal of Community Nursing*, 20, 9 (2015), 431-6 [B. Daly, K. Smith]

'A systematic review of the effect of individualized risk communication strategies on screening uptake and its psychological predictors: the role of psychology theory', *Health Psychology Research*, 4 (2016), 6157 [K. Bould, B. Daly, S. Dunne, S. Scott, K. Asimakopoulou]

'Risk communication for the dental team', *Faculty Dental Journal*, 7, 4 (2016), 144-149 [C. McCarthy, B. Daly, K. Asimakopoulou]

'Oral health knowledge, attitudes, and perceptions of pregnant Kuwaiti women: a qualitative study', *JDR Clinical and Translational Research*, 1, 3 (2016), 211-217 [S. Al Khamis, K. Asimakopoulou, J.T. Newton, B. Daly]

'Risk communication in the dental practice', *British Dental Journal*, 220 (2016), 77-80 [K. Asimakopoulou, G. Rhodes, B. Daly]

'Characteristics of patients attending for cognitive behavioural therapy at one UK specialist unit for dental phobia and outcomes of treatment', *British Dental Journal*, 219, 10 (2015), 501-506 [E. Kani, K. Asimakopoulou, B. Daly (...), S. Scott, J.T. Newton]

'Oral health and the prevalence of chest infections in adults living with neuro-disability', *Journal of Disability and Oral Health*, 17, 12 (2016), 112-120 [R. Prasad, B. Daly, G. Manley]

'Promoting physical health for people with schizophrenia by reducing disparities in medical and dental care', *Acta Psychiatr Scand* (2015), 1-13 [S. Moore, D. Shiers, B. Daly, A.J. Mitchell, F. Gaughran]

'Ethical approval considerations for patients who lack capacity', *Journal of Disability and Oral Health*, 17, 3 (2016), 105-111 [R. Prasad, B. Daly]

'Cleft lip and palate in context: learning from, and adding to, the sociological literature on long-term conditions', *Health*, (2017), 1-17 [R. Abuelfaraj, B. Daly, F. McDonald, S. Scambler]

Duane, Brett, 'Baby steps: a systematic approach to the infant oral health visit', *Journal of the Irish Dental Association*, 62, 3 (2016), 158-160 [K. FitzGerald, E. McGovern, A.N. Chaollai, B. Duane]

'Insufficient evidence on whether to restore root-filled teeth with single crowns or routine fillings', *Evidence-Based Dentistry*, 17, 2 (2016), 50-51 [P. Sequeira-Byron, Z. Fedorowicz, B. Carter, M. Nasser, E.F. Alrowaili, D. McReynolds, B. Duane]

'Evidence that full-mouth scaling superior to conventional treatment approaches is unclear', *Evidence-Based Dentistry*, 17, 1 (2016), 23-24 [M. McLaughlin, B. Duane]

Recent publications – Faculty of Health Sciences

- 'Casein phosphopeptide-amorphous calcium phosphate products in caries prevention', *Evidence-Based Dentistry*, 17, 2 (2016), 46-47 [S. Raphael, A. Blinkhorn, T.B. Hani, A.C. O'Connell, B. Duane]
- Mac Giolla Phadraig, Caoimhin, 'Should we provide oral health training for staff caring for people with intellectual disabilities in community based residential care? A cost-effectiveness analysis', *Evaluation and Programme Planning*, 55 (2016), 46-54 [C. Mac Giolla Phadraig, J. Nunn, S. Guerin, C. Normand]
- 'Why do edentulous adults with intellectual disabilities not wear dentures? Wave 2 of the IDS-TILDA cohort study', *Journal of Prosthodontic Research* (2016), <http://dx.doi.org/10.1016/j.jpor.2016.04.005> [C. Mac Giolla Phadraig, J. Nunn, R. Carroll, M. McCarron, P. McCallion]
- 'What should dental services for people with disabilities in Ireland be like? Agreed priorities from a focus group of people with learning disabilities', *British Journal of Learning Disabilities*, (2016), DOI 10.1111/bld.12152 [C. Mac Giolla Phadraig, A. Dougall, S. Stapleton (...), J. Nunn, S. Guerin]
- 'Oral health interventions for children and adolescents with disabilities; a scoping review', *Journal of Disability and Oral Health*, Dec (2016), http://dx.doi.org/10.443/JDOH/Waldron_06 [C. Waldron, C. Mac Giolla Phadraig, C. Comiskey, J. Nunn]
- McSwiney, Timothy, 'The orthodontic-restorative interface', *The orthodontic national group for dental nurses and therapists*, Summer (2015), 15-18 [M. Shah, T. McSwiney, S. Khan]
- 'The interdisciplinary management of hypodontia patients in the UK: a national service evaluation', *British Dental Journal*, 222, 1 (2017), 31-35 [T. McSwiney, J. Collins, G. Bassi, S. Khan]
- Nunn, June, 'Oral health interventions for children and adolescents with disabilities: a scoping review', *Journal of Disability and Oral Health*, 17, 4 (2016), DOI:10.443/JDOH/Waldron_06 [C. Waldron, J. Nunn, C. Mac Giolla Phadraig, C. Comiskey]
- 'Oral-health related quality of life and early childhood caries among preschool children in Trinidad', *BMC Oral Health*, 16, 1 (2016), DOI: 10.1186/s12903-016-0324-7 [R. Naidu, J. Nunn, E. Donnelley-Swift]
- 'The effect of motivational interviewing on oral health care knowledge attitudes and behaviour of parents and caregivers of caregivers. An exploratory, cluster randomised controlled study', *BMC Oral Health*, 15 (2015), doi: 10.1186/s12903-015-0068-9 [R. Naidu, J. Nunn, J.D. Irwin]
- 'Why do edentulous adults with intellectual disabilities not wear dentures? Wave 2 of the IDS-TILDA cohort study', *Journal of Prosthodontics Research*, 61, 1 (2017), 61-66 [C. Mac Giolla Phadraig, J. Nunn, R. Carroll, M. McCarron, P. McCallion]
- 'The use of the BDA case mix model to assess the need for referral of patients to specialist dental services', *British Dental Journal*, 220, 8 (2016), doi: 10.1038/sj.bdj.2016.296. [N.A. AlKindi, J. Nunn]
- 'Neither basic life support knowledge nor self-efficacy are predictive of skills among dental students', *European Journal of Dental Education* (2016), doi: 10.1111/eje.12199. [C. Mac Giolla Phadraig, J.D. Ho, S. Guerin (...), A. Nolan, J. Nunn]
- 'Dental care for the child and adolescent with disabilities', *Pediatric dentistry. A clinical approach*, eds Goran Koch, Sven Poulsen, Ivar Espelid and Dorte Haubek, UK, Wiley Blackwell (2017), 334-350 [G. Klingberg, J. Nunn, J. Nordeyrd, P.E. Jacobsen]
- 'Clinical and radiographic assessment of maxillary canine eruption status in a group of 11- to 14-year-old Irish children', *Journal of the Irish Dental Association*, 62, 3 (2016), 162-166 [K. Daly, J. Nunn]

Recent publications – Faculty of Health Sciences

O'Connell, Anne, 'Casein phosphopeptide-amorphous calcium phosphate products in caries prevention', *Evidence Based Dentistry*, 17, 2 (2016), 46-47 [T.B. Hani, A.C. O'Connell, B. Duane]

RESTORATIVE DENTISTRY AND PERIODONTOLOGY

Duncan, Hal, 'YouTube as a patient information source for root canal treatment', *International Endodontic Journal*, 49, 12 (2016), 1194-1200 [K. Nason, A. Donnelly, H.F. Duncan]

'Release of bio-active dentine extracellular matrix components by histone deacetylase inhibitors (HDACi)', *International Endodontic Journal*, 50, 1 (2017), 24-38 [H.F. Duncan, A.J. Smith, G.J.P. Fleming, C. Reid, G. Smith, P.R. Cooper]

'Epigenetic modulation of dental pulp stem cells: implications for regenerative endodontics', *International Endodontic Journal*, 49, 5 (2016), 431-436 [H.F. Duncan, A.J. Smith, G.J.P. Fleming, P.R. Cooper]

'Maintaining dental pulp vitality', *Harty's endodontics in clinical practice*, ed B.S. Chong, Edinburgh, Elsevier (2016), 65-87 [H.F. Duncan, A.J. Smith, P.R. Cooper]

'Epigenetics of dental stem cells', *Dental stem cells: regenerative potential*, eds B. Zavan and E. Bressan, Springer (2015), 73-85 [H.F. Duncan, P.R. Cooper]

Gorman, Catherine, 'The effect of endodontic access on all-ceramic crowns: a systematic review of in vitro studies', *Journal of Dentistry*, 53 (2016), 22-9 [C.M. Gorman, N.J. Ray, F.M. Burke]

'Exploring the consistency, transparency and portability of dental technology education: benchmarking across Norway, Ireland and Australia', *European Journal of Dental Education: Official Journal of the Association for Dental Education in Europe*, 20, 3 (2016), 189-96 [T. Myhrer, J.L. Evans, H.K. Haugen, C. Gorman, Y. Kavanagh, A.B. Cameron]

O'Connell, Brian, 'A qualitative investigation into patients' perspectives on edentulousness', *Gerodontology* (2016), <http://dx.doi.org/10.1111/ger.12229> [S. Meaney, B. O'Connell, S. Elfadil, F. Allen]

O'Sullivan, Jeffrey, 'Oral cancer: deregulated molecular events and their use as biomarkers', *Oral Oncology*, 61 (2016), 12-18 [N. Sinevici, J. O'Sullivan]

O'Sullivan, Michael, 'Fractured root tips during dental extractions and retained root fragments. A clinical dilemma?', *British Dental Journal*, 218, 5 (2015), 285-90 [J. Nayyar, M. Clarke, M. O'Sullivan, L.F. Stassen]

'Early childhood dental problems: classification tree analyses of 2 waves of an infant cohort study', *JDR Clinical and Translational Research*, 1, 3 (2016), 275-284 [M. Crowe, A. O'Sullivan, C. McGrath, O. Cassetti, L. Swords, M. O'Sullivan]

'Data mapping to augment dietary intake values from a nutritional database to a national cohort survey: protocols to improve quality of reported food intake', *Proceedings of the Nutrition Society*, 75, OCE3 (2016), doi: 10.1017/S0029665116002032 [M. Crowe, M. O'Sullivan, O. Cassetti, C. McGrath, A. O'Sullivan]

School of Medicine

Guinan, Emer, 'The energy expenditure of non-weight bearing crutch walking on the level and ascending stairs', *Gait and Posture*, 42, 1 (2015), 23-6 [J. Moran, A. Murphy, D. Murphy (...), E. Guinan, J. Hussey]

'The ability of rehabilitation to influence postoperative outcome after intra-abdominal operation: a systematic review and meta-analysis', *Surgery*, 160, 5 (2016), 1189-1201 [J. Moran, E. Guinan, P. McCormick (...), J. Moriarty, F. Wilson]

'Effects of a multimodal rehabilitation programme on inflammation and oxidative stress in oesophageal cancer survivors: the ReStOre feasibility study', *Supportive Care in Cancer*, 25, 3 (2016), 749-756 [E.M. Guinan, S.L. Doyle, L. O'Neill (...), J.V. Reynolds, J. Hussey]

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'Identifying the determinants of adjuvant hormonal therapy medication taking behaviour in women with stages I-III breast cancer: a systematic review and meta-analysis', *Patient Education and Counseling*, 98, 12 (2015), 1524-1539 [C. Cahir, E. Guinan, S.U. Dombrowski, L. Sharp, K. Bennett]

'Role of cardiopulmonary exercise testing as a risk-assessment method in patients undergoing intra-abdominal surgery: a systematic review', *British Journal of Anaesthesia*, 116, 2 (2016), 177-191 [J. Moran, F. Wilson, E. Guinan, P. McCormick, J. Hussey, J. Moriarty]

'The preoperative use of field tests of exercise tolerance to predict postoperative outcome in intra-abdominal surgery: a systematic review', *Journal of Clinical Anesthesia*, 35 (2016), 446-455 [J. Moran, F. Wilson, E. Guinan, P. McCormick, J. Hussey, J. Moriarty]

'Weight loss, satiety, and the postprandial gut hormone response after esophagectomy: a prospective study', *Annals of Surgery* (2016), <http://hdl.handle.net/2262/79136> [J.A. Elliott, N.G. Docherty, H.G. Eckhardt (...), E.M. Guinan *et al.*]

'The physiotherapist and the esophageal cancer patient: from prehabilitation to rehabilitation', *Diseases of the Esophagus*, 30, 1 (2017), 1-12 [E.M. Guinan, J. Dowds, C. Donohoe, J.V. Reynolds, J. Hussey]

Teeling, Mary, 'Potentially inappropriate prescribing in two populations with differing socio-economic profiles: a cross-sectional database study using the PROMPT criteria', *European Journal of Clinical Pharmacology*, 72, 5 (2016), 583-591 [J.A. Cooper, F. Moriarty, C. Ryan (...), M. Teeling, C.M. Hughes]

ANATOMY

Barry, Denis, 'Semaphorin 6A mediates sensory afferent projection into the developing spinal cord', *The federation of American societies for experimental biology*, Boston (2015), <http://dx.doi.org/10.1096/fj.1530-6860> [D.S. Barry, A.M. O'Malley, A.T. Kelly, R. O'Sullivan, K. Mitchell]

'Cadaveric anatomy in the future of medical education: what is the surgeons view?', *Anatomical Sciences Education*, (2015), <http://dx.doi.org/10.1002/ase.1560> [A. Hassan Sheikh, D.S. Barry, J.F. Cryan, G.W. O'Keefe]

'The emerging roles of transplanted radial glial cells in regenerating the central nervous system', *Neural Regeneration Research*, 10, 10 (2015), 1548-1551 [R.E. Wright, D. Barry]

'Radial glial cells organize the central nervous system via microtubule dependant processes', *Brain Research*, 1625 (2015), <http://dx.doi.org/10.1016/j.brainres.2015.08.027> [J. Nulty, M. Alsaffar, D. Barry]

'The need for ethical and pedagogical frameworks for developing online media in anatomy education', *Anatomical Sciences Education*, 9, 5 (2016), 498-499 [D.S. Barry, P. Tierney, G.W. O'Keefe]

'The emerging roles of transplanted radial glial cells in regenerating the central nervous system', *Neural Regeneration Research*, 10, 10 (2015), 1548-51 [R.E. White, D.S. Barry]

'A practical description and student perspective of the integration of radiology into lower limb musculoskeletal anatomy', *Irish Journal of Medical Science*, (2016), <http://dx.doi.org/10.1007/s11845-016-1487-6> [S. Davy, G.W. O'Keefe, N. Mahony, N. Phelan, D.S. Barry]

'Googling in anatomy education: can Google trends inform educators of national online search patterns of anatomical syllabi?', *Anatomical Science Education*, (2016), <http://dx.doi.org/10.1002/ase.1641> [N. Phelan, S. Davy, G.W. O'Keefe, D.S. Barry]

Mahony, Nicholas, 'A practical description and student perspective of the integration of radiology into lower limb musculoskeletal anatomy', *Irish Journal of Medical Science*, July (2016), <http://dx.doi.org/10.1007/s11845-016-1487-6> [S. Davy, G.W. O'Keefe, N. Mahony, N. Phelan, D.S. Barry]

Recent publications – Faculty of Health Sciences

- 'Cardiorespiratory effects of combining transcutaneous spinal stimulation and robot assisted walking: a case study', *21st annual congress of the European college of sport science*, eds A. Baca, R. Diketmüller, H. Tschan, M. Hofman, P. Kornfeind and E. Tzolakis, Vienna, Austria (2016), <http://hdl.handle.net/2262/79989> [N. Fleming, B. Donne, N. Mahony]
- Tierney, Paul**, 'The need for ethical and pedagogical frameworks for developing online media in anatomy education', *Anatomical Sciences Education* (2016), <http://dx.doi.org/10.1002/as.e.1628> [D.S. Barry, P. Tierney, G.W. O'Keefe]

CLINICAL MEDICINE

- Baird, Anne-Marie**, 'Promotion of a cancer-like phenotype, through chronic exposure to inflammatory cytokines and hypoxia in a bronchial epithelial cell line model', *Scientific Reports*, 6 (2016), 18907 [A.M. Baird, S.G. Gray, D.J. Richard, K.J O'Byrne]
- Bede, Peter**, 'The selective anatomical vulnerability of ALS – 'disease-defining' and 'disease-defying' brain regions', *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, 17, 7-8 (2015), 561-570 [P. Bede, C. Schuster, M. Elamin, R. McLaughlin, K. Kenna, O. Hardiman.]
- 'Second-generation Irish genome-wide association study for amyotrophic lateral sclerosis', *Neurobiology of Aging*, 36, 2 (2015), 1221.e7-13 [R.L. McLaughlin, K.P. Kenna, A. Vajda (...), P. Bede *et al.*]
- 'Discordant performance on the 'reading the mind in the eyes' test, based on disease onset in amyotrophic lateral sclerosis', *Amyotroph Lateral Scler Frontotemporal Degener*, 17, 7-8 (2016), 467-472 [T. Burke, M. Elamin, P. Bede, M. Pinto-Grau, K. Lonergan, O. Hardiman, N. Pender]
- 'The selective anatomical vulnerability of ALS: 'disease-defining' and 'disease-defying' brain regions', *Amyotroph Lateral Scler Frontotemporal Degener* (2016), 1-10 [P. Bede, P.M. Iyer, C. Schuster, M. Elamin, R.L. McLaughlin, K. Kenna, O. Hardiman]
- 'The segmental diffusivity profile of amyotrophic lateral sclerosis associated white matter degeneration', *Eur J Neurol* (2016), 1 [C. Schuster, M. Elamin, O. Hardiman, P. Bede]
- 'Measurement of social cognition in amyotrophic lateral sclerosis: a population based study', *PLoS ONE*, 11, 8 (2016), e0160850 [T. Burke, M. Pinto-Grau, K. Lonergan (...), P. Bede *et al.*]
- 'Quality control group article: EP 76. Quality control of high resolution T1 images in the global repository of the neuroimaging society in amyotrophic lateral sclerosis (NISALS)', *Clinical Neurophysiology*, 127, 9 (2016), e270–e271 [J. Grosskreutz, R. Dahnke, C. Gaser, T. Prell, F. Agosta, P. Bede, M. Benatar, M. de Carvalho]
- 'Identifying behavioural changes in ALS: validation of the Beaumont Behavioural Inventory (BBI)', *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, 18, 1-2 (2016), 68-73 [M. Elamin, M. Pinto-Grau, T. Burke (...), P. Bede *et al.*]
- 'Identifying behavioural changes in ALS: validation of the Beaumont Behavioural Inventory (BBI)', *Amyotrophic Lateral Sclerosis Frontotemporal Degeneration*, 28 (2016), 1-6 [M. Elamin, M. Pinto-Grau, T. Burke (...), P. Bede *et al.*]
- 'From qualitative radiological cues to machine learning: MRI-based diagnosis in neurodegeneration', *Future Neurology*, 1 (2017), 1-4
- 'Carbapenems and valproate - a consumptive relationship', *Epilepsia Open*, 2, 1 (2017), 107-111 [P. Bede, D. Lawlor, D. Solanki, N. Delanty]
- Neurodegenerative disorders - a clinical guide*, 2, eds O. Hardiman, C.P. Doherty, M. Elamin, P. Bede, Springer International Publishing (2016), 1-336
- 'Development of an automated MRI-based diagnostic protocol in amyotrophic lateral sclerosis', *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, 17, S1, (2016), 1-80 [C. Schuster, O. Hardiman, P. Bede]

Recent publications – Faculty of Health Sciences

- 'Selective white matter vulnerability in ALS: implications for diagnostic classification', *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, 17, S1, (2016), 215-235 [C. Schuster, M. Elamin, O. Hardiman, P. Bede]
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