

## Recent Publications - Faculty of Health Sciences

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

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### School of Dental Science

#### ORAL BIOSCIENCES

**Coleman, David**, 'Comparative microbiological and whole-genome analysis of *Staphylococcus aureus* populations in the oro-nasal cavities, skin and diabetic foot ulcers of patients with type 2 diabetes reveals a possible oro-nasal reservoir for ulcer infection', *Frontiers in Microbiology*, 11, 748 (2020), 1-10 [B.A. Mcmanus, B. Daly, I. Polyzois, P. Wilson, G.A. Brennan, T.E. Fleming, L.D. Grealy, M.L. Healy, D.C. Coleman]

*A dictionary of dentistry*, 2nd edition, Oxford, United Kingdom, Oxford University Press (2020), 1-400 [G. Arora, C. Balmer, A. Bell (...), D. Coleman *et al.*]

'The oral cavity revealed as a significant reservoir of *Staphylococcus aureus* in an acute hospital by extensive patient, healthcare worker and environmental sampling', *Journal of Hospital Infection*, 105, 3 (2020), 389-396 [A. Kearney, P. Kinnevey, A. Shore, M. Earls, T.T. Poovelikunnel, G. Brennan, H. Humphreys, D.C. Coleman]

'Linezolid resistance in *Enterococcus faecium* and *Enterococcus faecalis* from hospitalized patients in Ireland: high prevalence of the Mdr genes *optra* and *poxta* in isolates with diverse genetic backgrounds', *Journal of Antimicrobial Chemotherapy*, 75, 7 (2020), 1704-1711 [S. Egan, A.C. Shore, B. O'Connell, G.I. Brennan, D.C. Coleman]

'An epidemic CC1-MRSA-IV clone yields false-negative test results in molecular MRSA identification assays: a note of caution, Austria, Germany, Ireland, 2020', *Euro Surveillance*, 25, 25 (2020), 1-8 (Pii=2000929) [S. Monecke, E. König, M.R. Earls (...), D.C. Coleman *et al.*]

'Screening the nose, throat and naso-pharynx for methicillin resistant *Staphylococcus aureus*: a pilot study', *Journal of Infection Prevention*, 21, 4 (2020), 155-158 [J. Uwemedimo, D. Fitzgerald-Hughes, P. Kinnevey, A. Shore, D. Coleman, H. Humphreys, T.T. Poovelikunnel]

'A hospital outbreak of linezolid-resistant and vancomycin-resistant *Enterococcus faecium* harbouring an *optrA*-encoding conjugative plasmid investigated by whole genome sequencing', *Journal of Hospital Infection*, 105, 4 (2020), 726-735 [S.A. Egan, S. Corcoran, H. McDermott, M. Fitzpatrick, A. Hoyne, O. McCormack, A. Cullen, G.I. Brennan, B. O'Connell, D.C. Coleman]

'Multiple distinct outbreaks of Panton-Valentine leukocidin (PVL)-positive community-associated methicillin-resistant *Staphylococcus aureus* (CA-MRSA) in Ireland investigated by whole-genome sequencing', *Journal of Hospital Infection*, 108, February 2021 (2021), 72-80 [B.A. McManus, B.K. Aloba, M.R. Earls (...), A.C. Shore, D.C. Coleman]

**Kinnevey, Peter**, 'Screening the nose, throat and naso-pharynx for methicillin resistant *Staphylococcus aureus*: a pilot study', *Journal of Infection Prevention*, 21, 4 (2020), 155-158 [J. Uwemedimo, D. Fitzgerald-Hughes, P. Kinnevey, A. Shore, D. Coleman, H. Humphreys, T.T. Poovelikunnel]

## Recent publications – Faculty of Health Sciences

**McManus, Brenda**, 'Comparative microbiological and whole-genome analysis of *Staphylococcus aureus* populations in the oro-nasal cavities, skin and diabetic foot ulcers of patients with type 2 diabetes reveals a possible oro-nasal reservoir for ulcer infection', *Frontiers in Microbiology*, 11, 748 (2020), 1-10 [B.A. McManus, B. Daly, I. Polyzois, P. Wilson, G.A. Brennan, T.E. Fleming, L.D. Grealy, M.L. Healy, D.C. Coleman]

'Comparative microbiological and whole-genome analysis of *Staphylococcus aureus* populations in the oro-nasal cavities, skin and diabetic foot ulcers of patients with type II diabetes reveals a possible oro-nasal reservoir for ulcer infection', *Frontiers in Microbiology*, 30, 11 (April) (2020), 748-757 [B. McManus, B. Daly, I. Polyzois, P. Wilson, G.I. Brennan, T.E. Fleming, L.D. Grealy, M.L. Healy, D.C. Coleman]

'Multiple distinct outbreaks of Panton-Valentine leukocidin (PVL)-positive community-associated methicillin-resistant *Staphylococcus aureus* (CA-MRSA) in Ireland investigated by whole-genome sequencing', *Journal of Hospital Infection*, 108, February 2021 (2021), 72-80 [B.A. McManus, B.K. Aloba, M.R. Earls, G.I. Brennan, B. O'Connell, S. Monecke, R. Ehrig, A.C. Shore, D.C. Coleman]

**Moran, Gary**, 'Acetaldehyde production by *Rothia mucilaginosa* isolates from patients with oral leukoplakia', *Journal of Oral Microbiology*, 12, 1 (2020), <http://dx.doi.org/10.1080/20002297.2020.1743066> [A. Amer, A., Whelan, N.N. Al-Hebshi, C.M. Healy, G.P. Moran]

'Editorial: The human microbiome and cancer', *Frontiers in Microbiology*, 11 (2020), 1514, [G.P. Moran, N. Al-Hebshi]

'A conserved regulator controls asexual sporulation in the fungal pathogen *Candida albicans*', *Nature Communications*, 11, 1 (2020), 6224 [A. Hernández-Cervantes, S. Znaidi, L. van Wijlick (...), G. Moran *et al.*]

'The oral microbiome in pediatric IBD: a source of pathobionts or biomarkers?', *Frontiers in Pediatrics*, 8 (2020), 620254 [K. Elmaghrawy, S. Hussey, G.P. Moran]

**Sullivan, Derek**, 'A conserved regulator controls asexual sporulation in the fungal pathogen *Candida albicans*', *Nature Communications*, 11, 1 (2020), 6224 [A. Hernández-Cervantes, S. Znaidi, L. van Wijlick (...), D. Sullivan *et al.*]

## ORAL AND MAXILLOFACIAL SURGERY, MEDICINE, PATHOLOGY AND RADIOLOGY

**Galvin, Sheila**, 'Biomedical applications of vibrational spectroscopy: oral cancer diagnostics', *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy* (2021), 119470 [H.J. Byrne, I. Behl, G. Calado (...), S. Galvin *et al.*]

**Healy, Claire**, 'Acetaldehyde production by *Rothia mucilaginosa* isolates from patients with oral leukoplakia', *Journal of Oral Microbiology*, 12, 1 (2020), <http://dx.doi.org/10.1080/20002297.2020.1743066> [A. Amer, A. Whelan, N.N. Al-Hebshi, C.M. Healy, G.P. Moran]

'Comparative study of oral dysplasia by conventional and surface enhanced Raman spectroscopy of whole saliva', *Proc. SPIE, Biomedical Vibrational Spectroscopy*, 11236 (2020), <https://doi.org/10.1117/12.253> [A. Daniel, G. Calado, I. Behl, S. Flint, S. Galvin, C. Healy, H.J. Byrne, F.M. Lyng]

**Stassen, Leo**, 'The epidemiology, nature, and impact of eating and swallowing problems in adults presenting with temporomandibular disorders', *CRANIO: The Journal of Craniomandibular and Sleep Practice*, 20 (2020), 1-9 [O. Gilheaney, L. Stassen, M. Walshe]

## PUBLIC AND CHILD DENTAL HEALTH

**Daly, Blanaid**, 'Comparative microbiological and whole-genome analysis of *Staphylococcus aureus* populations in the oro-nasal cavities, skin and diabetic foot ulcers of patients with type II diabetes reveals a possible oro-nasal reservoir for ulcer infection', *Frontiers in Microbiology*, 30, 11 (April) (2020), 748-757 [B. McManus, B. Daly, I. Polyzois, P. Wilson, G.I. Brennan, T.E. Fleming, L.D. Grealy, M.L. Healy, D.C. Coleman]

## Recent publications – Faculty of Health Sciences

- Leith, Rona**, 'Hypomineralised second primary molars may be indicative of future molar incisor hypomineralisation', *Journal of the Irish Dental Association*, 65, 6 (2019), 340-345 [R. Leith]  
'Contemporary management options for molar incisor hypomineralisation', *Journal of the Irish Dental Association*, 66, 1 (2020), 36-43 [A. Wall, R. Leith]  
'A questionnaire study on perception and clinical management of molar incisor hypomineralisation (MIH) by Irish dentists', *European Archives of Paediatric Dentistry: Official Journal of the European Academy of Paediatric Dentistry* (2020), <http://dx.doi.org/10.1007/s40368-020-00519-9> [A. Wall, R. Leith]
- O'Connell, Anne**, 'The cost of dental trauma management: a one-year prospective study in children', *Dent Traumatology*, 36, 5 (2020), 526-532 [T. Bani Hani, I. Olegario, A.C. O'Connell]

### RESTORATIVE DENTISTRY AND PERIODONTOLOGY

- MacCarthy, Denise**, 'Periodontal disease as a manifestation of cyclic neutropenia: case report with a 34-year follow-up', *Journal of the Irish Dental Association*, 66, 4 (2020), 195-200 [L. Costello, C. McNamara, D. MacCarthy]  
'Barriers and facilitators to discussing HPV with head and neck cancer patients: a qualitative study using the theoretical domains framework', *Patient Education and Counseling*, 103, 12 (2020), 2451-2459 [M. O'Connor, J. Waller, P. Gallagher, B. O'Donovan, N. Clarke, I. Keogh, D. MacCarthy, E. O'Sullivan, C. Timon, C. Martin, J. O'Leary, L. Sharp]
- O'Sullivan, Jeffrey**, 'Spiroindoline-capped selective HDAC6 inhibitors: design, 2 synthesis, structural analysis, and biological evaluation', *ACS Medicinal Chemistry Letters* (2020), <http://hdl.handle.net/2262/93724> [A. Prasanth Saraswati, J. O'Sullivan, S. Butini, D.W. Christianson, G. Campiani]  
'A core curriculum in the biological and biomedical sciences for dentistry', *European Journal of Dental Education: Official Journal of the Association for Dental Education in Europe*, 24, 3 (2020), 433-441 [J.H. Bennett, J.A. Beeley, P. Anderson (...), J. O'Sullivan et al.]  
'Can ethanol affect the cell structure? A dynamic molecular and Raman spectroscopy study', *Photodiagnosis and Photodynamic Therapy*, 30 (2020), 101675 [L.F.C.S. Carvalho, L. Dos Santos, F. Bonnier, K. O'Callaghan, J. O'Sullivan, S. Flint, L.P.M. Neto, A.A. Martin, F.M. Lyng, H.J. Byrne]  
'Methylxanthines inhibit primary amine oxidase and monoamine oxidase activities of human adipose tissue', *Medicines (Basel)*, 7, 4 (2020), <http://dx.doi.org/10.3390/medicines7040018> [W. Haj Ahmed, C. Peiro, J. Fontaine, B.J. Ryan, G.K. Kinsella, J. O'Sullivan, J.L. Grolleau, G.T.M. Henehan, C. Carpené]  
'The novel therapeutic potential of bovine  $\gamma$ -lactalbumin made lethal to tumour cells and oleic acid in oral squamous cell carcinoma', *European Journal of Cancer Prevention: the Official Journal of the European Cancer Prevention Organisation (ECP)* (2020), <http://dx.doi.org/10.1097/cej.0000000000000617> [N. Sinevici, N. Harte, I. O'Grady, Y. Xie, S. Min, K. Hun Mok, J. O'Sullivan]  
'Iron chelators in cancer therapy', *Biomaterials: an International Journal on the Role of Metal Ions In Biology, Biochemistry, And Medicine*, 33, 4-5 (2020), 201-215 [O. Ibrahim, J. O'Sullivan]  
'The interplay of the oral microbiome and alcohol consumption in oral squamous cell carcinomas', *Oral Oncology*, 110 (2020), 105011 [I. O'Grady, A. Anderson, J. O'Sullivan]
- Polyzois, Ioannis**, 'Periodontitis and air flow limitation in older Swedish individuals', *Journal of Clinical Periodontology*, 47, 6 (2020), 715-725 [L. Winning, I. Polyzois, J.S. Berglund, S. Renvert]  
'Comparative microbiological and whole-genome analysis of *Staphylococcus aureus* populations in the oro-nasal cavities, skin and diabetic foot ulcers of patients with type II diabetes reveals a possible oro-nasal reservoir for ulcer infection', *Frontiers in Microbiology*, 30, 11 (April) (2020), 748-757 [B. McManus, B. Daly, I. Polyzois (...), M.L. Healy, D.C. Coleman]

## Recent publications – Faculty of Health Sciences

'Treatment of stage I-III periodontitis - the EFP S3 level clinical practice guideline', *Journal of Clinical Periodontology*, 47, Suppl 22 (2020), 4-60 [M. Sanz, D. Herrera, I. Polyzois (...), N. West, G. Wimmer]

'The effect of L-PRF and permanent grafting materials on the preservation of the buccal bone plate following immediate implant placement', *International Journal of Periodontics and Restorative Dentistry*, 40, 5 (2020), 767-774 [G. Gkikas, M. McLouglin, S. Renvert, I. Polyzois]

**Winning, Lewis**, 'Periodontitis and air flow limitation in older Swedish individuals', *Journal of Clinical Periodontology*, 47, 6 (2020), 715-725 [L. Winning, I. Polyzois, J.S. Berglund, S. Renvert]

'Association between diet and periodontitis: a cross-sectional study of 10,000 NHANES participants', *The American Journal of Clinical Nutrition* (2020), <http://dx.doi.org/10.1093/ajcn/nqaa266> [D.M. Wright, G. McKenna, A. Nugent, L. Winning, G.J. Linden, J.V. Woodside]

'Periodontitis and risk of prevalent and incident coronary heart disease events', *Journal of Clinical Periodontology* (2020), <http://dx.doi.org/10.1111/jcpe.13377> [L. Winning, C.C. Patterson, K. Linden, A. Evans, J. Yarnel, P.P. McKeown, F. Kee, G.J. Linden]

## School of Medicine

**Cunningham, Cathy**, 'An insight of Malaysian students attending European university toward participation in Malay language class', *MedEdPublish* (2020), <https://doi.org/10.15694/mep.2020.000072.1> [M.I. Marion, C. Cunningham, J. Harbison, A. Patterson]

**Gibney, James**, 'Cognitive performance in midlife type 2 diabetes: results from the ENBIND study', *Diabetic Medicine* (2020), <http://dx.doi.org/10.1111/dme.14412> [A. Dyer, L. McKenna, G. Gamage (...), J. Gibney *et al.*]

**Marion, Mohd**, 'An insight of Malaysian students attending European university toward participation in Malay language class', *MedEdPublish* (2020), <https://doi.org/10.15694/mep.2020.000072.1> [M. Marion, C. Cunningham, J. Harbison, A. Patterson]

**Patterson, Aileen**, 'An insight of Malaysian students attending European university toward participation in Malay language class', *MedEdPublish* (2020), <https://doi.org/10.15694/mep.2020.000072.1> [M.I. Marion, C. Cunningham, J. Harbison, A. Patterson]

**Pender, Niall**, 'Patterned functional network disruption in amyotrophic lateral sclerosis', *Human Brain Mapping*, 40, 16 (2019), 4827-4842 [S. Dukic, R. McMackin, T. Buxo (...), N. Pender *et al.*]

'Dynamic blood brain barrier regulation in mild head trauma', *Journal of Neurotrauma*, 37, 2 (2020), 347-356 [E. O'Keefe, N. Pender, D.B. Camarillo, C. Doherty, M. Campbell]

'Social cognition, neuropsychological functioning and mood disorder in Cervical Dystonia (CD)', *Movement Disorders*, 34 (2019), 1314, [R. Monaghan, D. McCormack, I. Ndukwe, T. Burke, N. Pender, S. O'Riordan, M. Hutchinson, F. O'Keefe]

'An investigation of the use of standardised leaving certificate performance as a method of estimating pre-morbid intelligence', *Irish Journal of Psychological Medicine*, 1 (2020), 1-9 [E. Costello, T. Burke, K. Lonergan, N. Pender, M. Mulrooney]

'Localization of brain networks engaged by the sustained attention to response task provides quantitative markers of executive impairment in amyotrophic lateral sclerosis', *Cerebral Cortex (New York, N.Y.:1991)* (2020), <http://dx.doi.org/10.1093/cercor/bhaa076> [R. McMackin, S. Dukic, E. Costello (...), N. Pender *et al.*]

'Plasma and tissue bioavailability and blood pressure lowering effects of omega-3 polyunsaturated fatty acids from commonly eaten, naturally enriched, foods', *Proceedings of the Nutrition Society*, 79 (2020), <https://doi.org/10.1017/S0029665120004681> [A. Stanton, K. Shortall, T. El-Sayed, N. Pender, N. Moran, D. Williams, E. Dolan]

'Cognitive impairment in angiographically negative subarachnoid haemorrhage: a case-matched prospective study 1-year post-incident', *Cortex*, 128, 4 (2020), 49-60 [T. Burke, A. Carr, A. Loughnane (...), M. Javadpour, N. Pender]

## Recent publications – Faculty of Health Sciences

'Switchboard' malfunction in motor neuron diseases: selective pathology of thalamic nuclei in amyotrophic lateral sclerosis and primary lateral sclerosis', *NeuroImage: Clinical*, 27, 5 (2020), <https://doi.org/10.1016/j.nicl.2020.102300> [R.H. Chipika, E. Finegan, A. Vajda, N. Pender, R.L. McLaughlin, O. Hardiman, P. Bede]

'The reading the mind in the eyes test short form (A and B): validation and outcomes in an amyotrophic lateral sclerosis cohort', *Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration*, 6 (2020), 1-9 [T. Burke, M. Pinto-Grau, E. Costello (...), O. Hardiman, N. Pender]

'Amygdala pathology in amyotrophic lateral sclerosis and primary lateral sclerosis', *J Neurol Sci* (2020), 0.1016/j.jns.2020.117039 [R.H. Chipika, F. Christidi, E. Finegan (...), N. Pender *et al.*]

'Cognitive and behavioural impairment in amyotrophic lateral sclerosis', *Current Opinion in Neurology*, 33, 5 (2020), 649-654 [N. Pender, M. Pinto-Grau, O. Hardiman]

'The StrokeCog study: development and description of a cognition-focused psychological intervention to address cognitive impairment following stroke', *Psychological Health*, 14 (2020), 1-18 [N.A. Merriman, N. Pender, D.J. Williams (...), M.A. Wren, A. Hickey]

'Social cognition in cervical dystonia: a case-control study', *Clinical Parkinsonism and Related Disorders*, 3 (2020), <https://doi.org/10.1016/j.prdoa.2020.100072> [T. Burke, R. Monaghan, D. McCormack (...), N. Pender, F. O'Keefe]

'Omega-3 index and blood pressure responses to eating foods naturally enriched with omega-3 polyunsaturated fatty acids: a randomized controlled trial', *Scientific Reports*, 10, 1 (2020), 1-10 [A.V. Stanton, K. James, M.M. Brennan (...), N. Pender *et al.*]

'Patterns of language impairment in early ALS', *Neurology: Clinical Practice* (2021), <http://dx.doi.org/10.1212/CPJ.0000000000001006> [M. Pinto-Grau, B. Donohoe, S. O'Connor (...), O. Hardiman, N. Pender]

'Validation and standardization of the Psycholinguistic Assessments of Language Processing in Aphasia (PALPA)', *Aphasiology* (2021), 10.1080/02687038.2020.1836317 [M. Pinto-Grau, S. O'Connor, L. Murphy, E. Costello, M. Heverin, A. Vajda, O. Hardiman, N. Pender]

## ANATOMY

**Barry, Denis**, 'Magnetic resonance diffusion weighted imaging using constrained spherical deconvolution-based tractography of the extracranial course of the facial nerve', *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology* (2020), <https://doi.org/10.1016/j.oooo.2019.12.012> [W. El Kininy, D. Roddy, S. Davy, E. Roman, V. O'Keefe, E. O'Hanlon, L.F.A. Stassen, D. Barry]

'Untangling the dorsal diencephalic conduction system: a review of structure and function of the stria medullaris, habenula and fasciculus retroflexus', *Brain Structure and Function* (2020), <http://dx.doi.org/10.1016/j.oooo.2019.12.012> [E. Roman, J. Weininger, B. Lim (...), D. Barry *et al.*]

'Magnetic resonance spectroscopy across chronic pain disorders: a systematic review protocol synthesising anatomical and metabolite findings in chronic pain patients', *Systematic Reviews*, 8, 338 (2019), <http://dx.doi.org/10.1186/s13643-019-1256-5>. [K.J. Levins, T. Drago, E. Roman (...), D. *et al.*]

'The growth response to beta-hydroxybutyrate in SH-SY5Y neuroblastoma cells is masked by glucose and pyruvate supplementation', *Neurochemical Research* (2021), <http://dx.doi.org/10.1007/s11064-020-03203-y> [M. Alherz, D. Lee, A. Alshangiti, D. Roddy, G. O'Keefe, R. White, D. Barry]

**Fleming, Neil**, 'Is the FTP test a reliable, reproducible and functional assessment tool in highly-trained athletes?', *International Journal of Exercise Science*, 12, 4 (2019), 1334-1345 [E. McGrath, N. Mahony, N. Fleming, B. Donne]

## Recent publications – Faculty of Health Sciences

**Mahony, Nicholas**, 'Bilateral reversed palmaris longus muscle: a case report and systematic literature review', *Surgical and Radiologic Anatomy* (2019), <http://dx.doi.org/10.1007/s00276-019-02363-z> [G. Longhurst, D. Stone, N. Mahony]

'The effect of diurnal variation in exercise-induced bronchoconstriction', *Journal of Asthma*, July (2019), <http://dx.doi.org/10.1080/02770903.2019.1640731> [A. Rowe, N. Mahony, N. Fleming, B. Donne]

'Do critical power and functional threshold power equate in highly trained athletes?', *International Journal of Exercise Science*, 14, 4 (2021), 45-59 [E. McGrath, N. Mahony, N. Fleming, C. Raleigh, B. Donne]

### CLINICAL MEDICINE

**Barr, Martin**, 'Programmed death-ligand 1 expression influenced by tissue sample size. Scoring based on tissue microarrays' and cross-validation with resections, in patients with, stage I-III, non-small cell lung carcinoma of the European thoracic oncology platform lungscape cohort', *Modern Pathology*, 33, 5 (2020), 792-801 [E. Thunnissen, K.M. Kerr, U. Dafni (...), S. Peters, R.A. Stahel]

'Prostate cancer-derived holoclones: a novel and effective model for evaluating cancer stemness', *Scientific Reports*, 10, 1 (2020), 11329, [L. Flynn, M.P. Barr, A.M. Baird (...), O. Sheils, S.P. Finn]

'Thyroid receptor-interacting protein 13 and EGFR form a feedforward loop promoting glioblastoma growth', *Cancer Letters*, 493 (2020), 156-166 [L. Hu, D. Shen, D. Liang (...), M.P. Barr *et al.*]

'Exploitation of the vitamin A/retinoic acid axis depletes ALDH1-positive cancer stem cells and re-sensitises resistant non-small cell lung cancer cells to cisplatin', *Translational Oncology*, 14, 4 (2021), 101025, [L. MacDonagh, S.G. Gray, E. Breen, S. Cuffe, S.P. Finn, K.J. O'Byrne, M.P. Barr]

**Basdeo, Sharee**, 'Burnout in the emergency department: randomized controlled trial of an attention-based training program', *Journal of Integrative Medicine* (2019), <http://dx.doi.org/10.1016/j.joim.2019.03.009> [P.J. Dunne, J. Lynch, L. Prihodova (...), S. Basdeo *et al.*]

'Desferrioxamine supports metabolic function in primary human macrophages infected with *Mycobacterium tuberculosis*', *Frontiers in Immunology* (2020), <http://hdl.handle.net/2262/95706> [J.J. Phelan, K. McQuaid, C. Kenny (...), S.A. Basdeo *et al.*]

'Inhibiting histone deacetylases in human macrophages promotes glycolysis, IL-1 $\beta$  and T helper cell responses to *Mycobacterium tuberculosis*', *Frontiers in Immunology* (2020), <http://hdl.handle.net/2262/95707> [D.J. Cox, A.M. Coleman, K.M. Gogan, J.J. Phelan, C. Maoldomhnaigh, P.J. Dunne, S.A. Basdeo, J. Keane]

**Bede, Peter**, 'Patterned functional network disruption in amyotrophic lateral sclerosis', *Human Brain Mapping*, 40, 16 (2019), 4827-4842 [S. Dukic, R. McMackin, T. Buxo (...), P. Bede *et al.*]

*Biomarkers and clinical indicators in motor neuron disease*, Lausanne: Frontiers Media SA (2020), 1-583 [F.F. Pradat, P. Bede]

'The French national protocol for Kennedy's disease (SBMA): consensus diagnostic and management recommendations', *Orphanet Journal Rare Dis.*, 15, 1 (2020), 90, [P.F. Pradat, E. Bernard, P. Corcia (...), P. Bede, C. Desnuelle]

'Spinal cord MRI for early detection of presymptomatic pathology in c9orf72 mutation carriers: a longitudinal neuroimaging study', *Neurology*, 94, 15 (2020), 2343, [G. Querin, P. Bede, M. El Mendili (...), I. Le Ber, P-F. Pradat.]

'Amygdala pathology in amyotrophic lateral sclerosis and primary lateral sclerosis', *J Neurol Sci.* (2020), 0.1016/j.jns.2020.117039 [R.H. Chipika, F. Christidi, E. Finegan (...), O. Hardiman, P. Bede]

## Recent publications – Faculty of Health Sciences

- 'Improvements in the definition of biomarkers for Spinal Muscular Atrophy (SMA) type III and IV: a multimodal longitudinal study', *Neuromuscular Disorders*, 30, S46-S150 (2020), 181, [G. Querin, J. Hogrel, R. Debs (...), P. Bede *et al.*]
- 'Degenerative and regenerative processes in amyotrophic lateral sclerosis: motor reserve, adaptation and putative compensatory changes', *Neural Regen Res*, 16, 6 (2021), 1208-1209 [P. Bede, U. Bogdahn, J. Lope, K.M. Chang, S. Xirou, F. Christidi]
- Bennett, Annemarie**, 'Rehabilitation strategies following oesophagogastric and hepatopancreaticobiliary cancer (ReStOre II): a protocol for a randomised controlled trial', *BMC Cancer*, 20 (2020), 1-20 [L. O'Neill, E. Guinan, S. Doyle (...), A. Bennett *et al.*]
- 'More adjustments than one might expect': perspectives of men on their preparedness for fatherhood', *Journal of Community and Public Health Nursing*, 6, 5 (2020), 1-7 [A.E. Bennett, J.M. Kearney]
- 'Perspectives of esophageal cancer survivors on diagnosis, treatment, and recovery', *Cancers*, 13, 1 (2021), 1-12 [A.E. Bennett, L. O'Neill, D. Connolly (...), J.V. Reynolds, J. Hussey]
- Cloonan, Suzanne**, 'To 'Fe'ed or not to 'Fe'ed: iron depletion exacerbates emphysema development in murine smoke model', *American Journal of Respiratory Cell and Molecular Biology*, 62, 5 (2020), 541-542 [W.Z. Zhang, S.M. Cloonan]
- 'Dendritic cell-derived hepcidin sequesters iron from the microbiota to promote mucosal healing', *Science (New York, N.Y.)*, 368, 6487 (2020), 186-189 [N.J. Bessman, J.R.R. Mathieu, C. Renassia (...), S.M. Cloonan *et al.*]
- 'Alveolar macrophage immunometabolism and lung function impairment in smoking and chronic obstructive pulmonary disease', *American Journal of Respiratory and Critical Care Medicine*, 201, 6 (2020), 735-739 [S.L. O'Beirne, S.A. Kikkers, C. Oromendia (...), R.G. Crystal, S.M. Cloonan]
- 'Association of urine mitochondrial DNA with clinical measures of COPD in the SPIROMICS cohort', *JCI Insight*, 5, 3 (2020), <http://dx.doi.org/10.1172/jci.insight.133984> [W.Z. Zhang, M.C. Rice, S.M. Cloonan, M.E. Choi]
- 'Mitochondria: at the crossroads of regulating lung epithelial cell function in chronic obstructive pulmonary disease', *American Journal of Physiology. Lung Cellular and Molecular Physiology*, 318, 1 (2020), L149-L164 [M. Aghapour, A.H.V. Remels, S.D. Pouwels (...), S.M. Clononan *et al.*]
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- 'ToF-SIMS mediated analysis of human lung tissue reveals increased iron deposition in COPD (GOLD IV) patients', *Scientific Reports*, 9, 1 (2019), 10060 [N. Najafinobar, S. Venkatesan, L. von Sydow (...), S.M. Cloonan, P. Malmberg]
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## OBSTETRICS AND GYNAECOLOGY

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