

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**, 'First detailed characterization of the structural organization of type III arginine catabolic mobile elements (ACMES) harbored by *Staphylococcus epidermidis* by whole genome sequencing', *Antimicrobial Agents and Chemotherapy*, 61, 10 (2017), 1-5 [B.A. McManus, A.M. O'Connor, P.M. Kinnevey, M. O'Sullivan, I. Polyzois, D.C. Coleman]
- 'Dissemination of high-level mupirocin-resistant cc22-MRSA-iv in Saxony', *GMS Hygiene and Infection Control*, 12, 19 (2017), 1-5 [S. Monecke, A. Ruppelt-Lorz, E. Müller (...), D.C. Coleman *et al.*]
- 'Novel multiresistance cfr-plasmids in linezolid-resistant methicillin resistant *Staphylococcus epidermidis* and vancomycin-resistant *Enterococcus faecium* (VRE) from a hospital outbreak: first report of the co-location of cfr and optrA in VRE', *Journal of Antimicrobial Chemotherapy*, 72, 12 (2017), 3252-3257 [A. Lazaris, D.C. Coleman, A.M. Kearns (...), G.I. Brennan, A.C. Shore]
- 'Fungal infections of humans', *Fungi: Biology and Applications*, 3rd edition, ed K. Kavanagh, Oxford, United Kingdom, John Wiley and Sons Ltd. (2017), 251-274 [D.J. Sullivan, G.P. Moran, D.C. Coleman]
- 'Range expansion and the origin of USA300 North American epidemic MRSA', *MBIO*, 9, 1 (2018), 1-15 [L. Challagundla, X. Luo, I.A. Tickler (...), D.C. Coleman *et al.*]
- 'Minimizing microbial contamination risk simultaneously from multiple hospital washbasins by automated cleaning and disinfection of u-bends with electrochemically activated solutions', *Journal of Hospital Infection*, 98 (2018), 1-13 [E.C. Deasy, E.M. Moloney, M.A. Boyle (...), M.J. O'Donnell, D.C. Coleman]
- 'First description of novel arginine catabolic mobile elements (ACMES) types IV and V harboring a kdp operon in *Staphylococcus epidermidis* characterized by whole genome sequencing', *Infection, Genetics and Evolution*, 61 (2018), 60-66 [A.M. O'Connor, B.A. McManus, D.C. Coleman]
- Deasy, Emily**, 'Minimizing microbial contamination risk simultaneously from multiple hospital washbasins by automated cleaning and disinfection of u-bends with electrochemically activated solutions', *Journal of Hospital Infection*, 98 (2018), 1-13 [E.C. Deasy, E.M. Moloney, M.A. Boyle (...), M.J. O'Donnell, D.C. Coleman]
- Flanagan, Peter**, 'Phosphate is the third nutrient monitored by TOR in *Candida albicans* and provides a target for fungal-specific indirect TOR inhibition', *Proceedings of the National Academy of Sciences of the United States of America*, 114, 24 (2017), 6346-6351 [N.N. Liu, P.R. Flanagan, J. Zeng, N.M. Jani, M.E. Cardenas, G.P. Moran, J.R. Köhler]

Recent publications – Faculty of Health Sciences

- 'The *Candida albicans* TOR-activating GTPases Gtr1 and Rbh1 coregulate starvation responses and biofilm formation', *mSphere*, 2, 6 (2017), <http://dx.doi.org/10.1128/mSphere.00477-17> [P.R. Flanagan, N.N. Liu, D.J. Fitzpatrick, K. Hokamp, J.R. Köhler, G.P. Moran]
- Fleming, Garry**, 'An approach to understanding tribological behaviour of dental composites through volumetric wear loss and wear mechanism determination; beyond material ranking', *Journal of Dentistry*, 59, 2 (2017), 41-47 [A. Altaie, N.L. Bubbs, P. Franklin, A.H. Dowling, G.J.P. Fleming, D.J. Wood]
- 'Implications of resin-based composite (RBC) restoration on cuspal deflection and microleakage score in molar teeth: placement protocol and restorative material', *Dental Materials*, 33, (2017), 329-335 [L.E.J. McHugh, I. Politi, R.S. Al-Fodeh, G.J.P. Fleming]
- 'Favorable residual stress induction by resin-cementation on dental porcelain', *Dental Materials*, 33, 11 (2017), 1258-1265 [G.J.P. Fleming, X. Cao, D.L. Romanyk, O. Addison]
- 'The impact of resin-coating on sub-critical crack extension in a porcelain laminate veneer material', *Dental Materials*, 33, 5 (2017), 498-504 [X. Cao, G.J.P. Fleming, O. Addison]
- Kinnevey, Peter**, 'First detailed characterization of the structural organization of type III arginine catabolic mobile elements (ACMES) harbored by *Staphylococcus epidermidis* by whole genome sequencing', *Antimicrobial Agents and Chemotherapy*, 61, 10 (2017), 1-5:E01216-17 [B.A. McManus, A.M. O'Connor, P.M. Kinnevey, M. O'Sullivan, I. Polyzois, D.C. Coleman]
- 'Novel multiresistance cfr-plasmids in linezolid-resistant methicillin resistant *Staphylococcus epidermidis* and vancomycin-resistant *Enterococcus faecium* (VRE) from a hospital outbreak: first report of the co-location of cfr and oprA in VRE', *Journal Of Antimicrobial Chemotherapy*, 72, 12 (2017), 3252-3257 [A. Lazaris, D.C. Coleman, A.M. Kearns (...), P.M. Kinnevey et al.]
- McManus, Brenda**, 'First detailed characterization of the structural organization of type III arginine catabolic mobile elements (ACMES) harbored by *Staphylococcus epidermidis* by whole genome sequencing', *Antimicrobial Agents and Chemotherapy*, 61, 10 (2017), 1-5:E01216-17 [B.A. McManus, A.M. O'Connor, P.M. Kinnevey, M. O'Sullivan, I. Polyzois, D.C. Coleman]
- 'First description of novel arginine catabolic mobile elements (ACMES) types IV and V harboring a kdp operon in *Staphylococcus epidermidis* characterized by whole genome sequencing', *Infection, Genetics and Evolution*, 61 (2018), 60-66 [A.M. O'Connor, B.A. McManus, D.C. Coleman]
- Moran, Gary**, 'Phosphate is the third nutrient monitored by TOR in *Candida albicans* and provides a target for fungal-specific indirect TOR inhibition', *Proceedings of the National Academy of Sciences of the United States of America*, 114, 24 (2017), 6346-6351 [N.N. Liu, P.R. Flanagan, J. Zeng, N.M. Jani, M.E. Cardenas, G.P. Moran, J.R. Köhler]
- 'The *Candida albicans* TOR-activating GTPases Gtr1 and Rbh1 coregulate starvation responses and biofilm formation', *mSphere*, 2, 6 (2017), <http://dx.doi.org/10.1128/mSphere.00477-17> [P.R. Flanagan, N.N. Liu, D.J. Fitzpatrick, K. Hokamp, J.R. Köhler, G.P. Moran]
- 'The microbiome of potentially malignant oral leukoplakia exhibits enrichment for *Fusobacterium*, *Leptotrichia*, *Campylobacter*, and *Rothia* species', *Frontiers in Microbiology*, 8 (2017), 2391 [A. Amer, S. Galvin, C.M. Healy, G.P. Moran]
- 'The oral mucosal microbiome in children with Crohn's disease exhibits reduced biodiversity compared to healthy children, revealed by 16s profiling', *Journal of Oral Microbiology*, 12th European oral microbiology workshop, ed Georgios Belibasakis, Stockholm, Sweden, Taylor and Francis (2017), 1325254 [K. Elmagrawy, G.P. Moran]
- 'The microbiome of oral leukoplakia shows enrichment in *Fusobacteria* and *Rothia* species', *Journal of Oral Microbiology*, 12th European oral microbiology workshop, ed Georgios Belibasakis, Stockholm, Sweden, Taylor and Francis (2017), 1325253 [A. Amer, S. Galvin, C. Healy, G.P. Moran]

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O'Donnell, Mary, 'Minimizing microbial contamination risk simultaneously from multiple hospital washbasins by automated cleaning and disinfection of u-bends with electrochemically activated solutions', *Journal Of Hospital Infection*, 98 (2018), 1-13, Pii:S0195-6701(18)30055-0 [E.C. Deasy, E.M. Moloney, M.A. Boyle (...), M.J. O'Donnell, D.C. Coleman]

Shore, Anna, 'Dissemination of high-level mupirocin-resistant Cc22-MRSA-IV in Saxony', *GMS Hygiene and Infection Control*, 12, 19 (2017), 1-5 [S. Monecke, A. Ruppelt-Lorz, E. Müller (...), A.C. Shore *et al.*]

'Novel multiresistance cfr-plasmids in linezolid-resistant methicillin resistant *Staphylococcus epidermidis* and vancomycin-resistant *Enterococcus faecium* (VRE) from a hospital outbreak: first report of the co-location of cfr and oprA in VRE', *Journal Of Antimicrobial Chemotherapy*, 72, 12 (2017), 3252-3257 [A. Lazaris, D.C. Coleman, A.M. Kearns (...), G.I. Brennan, A.C. Shore]

'Range expansion and the origin of USA300 North American epidemic MRSA', *Mbio*, 9, 1 (2018), 1-15 (E02016-17) [L. Challagundla, X. Luo, L.A. Tickler (...), A.C. Shore *et al.*]

ORAL AND MAXILLOFACIAL SURGERY, MEDICINE, PATHOLOGY AND RADIOLOGY

Beattie, Anna, 'Quantitative ultrasound of the mandible as novel screening approach for osteoporosis', *Journal of Clinical Densitometry*, 21, 1 (2018), 110-118 [A. Beattie, S. Courane, C. Finucane, J.B. Walsh, L.F.A. Stassen]

Clarke, Mary, 'An audit of the baseline dental status and treatment need of individuals referred to Dublin Dental University Hospital for a pre-radiotherapy dental and oral assessment', *Journal of the Irish Dental Association*, 63, 5 (2017), 269-276 [D. Mac Carthy, M. Clarke, M. O' Regan]

Galvin, Sheila, 'Circumoralificial plasmacytosis/plasma cell mucositis: a case series and review of the literature', *Oral Surgery Oral Medicine Oral Pathology and Oral Radiology*, 122, 3 (2016), e77-e81 [S. Galvin, C. Bowe, E.M. O Regan, N. Conlon, S.R. Flint, C. Healy]

Healy, Claire 'Circumoralificial plasmacytosis/plasma cell mucositis: a case series and review of the literature', *Oral Surgery Oral Medicine Oral Pathology and Oral Radiology*, 122, 3 (2016), e77-e81 [S. Galvin, C. Bowe, E.M. O Regan, N. Conlon, S.R. Flint, C. Healy]

'The microbiome of potentially malignant oral leukoplakia exhibits enrichment for *Fusobacterium*, *Leptotrichia*, *Campylobacter*, and *Rothia* Species', *Frontiers in Microbiology*, 8 (2017), 2391 [A. Amer, S. Galvin, C.M. Healy, G.P. Moran]

'The influence of smoking, age and stage at diagnosis on the survival after larynx, hypopharynx and oral cavity cancers in Europe: the ARCAGE study', *International Journal of Cancer*, (2018), <http://dx.doi.org/10.1002/ijc.31294> [R. Abrahão, D. Anantharaman, V. Gaborieau (...), C.M. Healy *et al.*]

'Oral lymphangiectasias and Crohn's disease: two case reports', *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology* (2017), <http://dx.doi.org/10.1016/j.oooo.2017.12.014> [S. Galvin, S.R. Flint, M.E. Toner, C.M. Healy, K. Ekanayake]

PUBLIC AND CHILD DENTAL HEALTH

Daly, Blanaid, 'Adherence and health behaviour change', *Social and behavioural sciences and dentistry*, eds S. Scambler, S. Scott, K. Asimakopoulou, London, Routledge (2016), 1-306 [K. Asimakopoulou, B. Daly]

'The effect of dental health education on pregnant women's adherence with toothbrushing and flossing - a randomised control trial', *Community Dentistry and Oral Epidemiology*, 45, 5 (2017), 469-477 [S. Al-Khamis, K. Asimakopoulou, T. Newton, B. Daly]

'A systematic review of the use of local analgesia in medically compromised children and adolescents', *European Archives of Paediatric Dentistry*, 18, 5 (2017), 331-343 [A. Dougall, M. Hayes, B. Daly]

Recent publications – Faculty of Health Sciences

- 'Development of a battery of tests to measure attitudes and intended behaviours of dental students towards people with disability or those in marginalised groups', *European Journal of Dental Education*, DOI: 10.1111/eje.122, (2017), DOI: 10.1111/eje.12292 [D. Faulks, A. Dougall, G. Ting (...), B. Daly *et al.*]
- Dougall, Alison**, '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 Phradaig, A. Dougall, S. Stapleton, D. McGeown, J. Nunn, S. Guerin]
- 'A systematic review of the use of local analgesia in medically compromised children and adolescents', *European Archives of Paediatric Dentistry*, 18, 5 (2017), 331-343 [A. Dougall, M. Hayes, B. Daly]
- 'Development of a battery of tests to measure attitudes and intended behaviours of dental students towards people with disability or those in marginalised groups', *European Journal of Dental Education*, (2017), DOI: 10.1111/eje.12292 [D. Faulks, A. Dougall, G. Ting (...), V. Roger-Leroi, J.T. Newton]
- 'Best clinical practice guidance for local analgesia in paediatric dentistry: an EAPD policy document', *European Archives of Paediatric Dentistry*, 18, 5 (2017), 313-321 [J. Kühnisch, M. Daubländer, G. Klingberg (...), A. Dougall *et al.*]
- 'Child oral health from the professional perspective-a global ICF-CY survey', *International Journal of Paediatric Dentistry*, 26, 4 (2016), 266-280 [D. Faulks, G. Molina, C. Eschevins, A. Dougall]
- Duane, Brett**, 'Delivery of information to orthodontic patients using social media', *Evidence-Based Dentistry*, 18, 2 (2017), 59-60 [S. O'Brien, B. Duane]
- 'Psychological approaches to behaviour for improving plaque control', *Evidence-Based Dentistry*, 18, 1 (2017), 3-4 [B. Duane]
- 'An estimated carbon footprint of NHS primary dental care within England. How can dentistry be more environmentally sustainable?', *British Dental Journal*, 223, 8 (2017), 589-593 [B. Duane, M.B. Lee, S. White, R. Stancliffe, I. Steinbach]
- 'Coronally advanced flap combined with connective tissue graft; treatment of choice for root coverage following recession?', *Evidence-Based Dentistry*, 18, 1 (2017), 6-7 [E. Madeley, B. Duane]
- 'Evidence for use of intraoral scanners under clinical conditions for obtaining full-arch digital impressions is insufficient', *Evidence-Based Dentistry*, 18, 1 (2017), 24-25 [H. Khraishi, B. Duane]
- 'Using the simplified case mix tool (sCMT) to identify cost in special care dental services to support commissioning', *Community Dental Health*, 34, 1 (2017), 56-59 [B.G. Duane, R. Freeman, D. Richards, S. Crosbie, P. Patel, S. White, G. Humphris]
- Mac Giolla Phadraig, Caoimhin**, 'Evidence-based dentistry can effectively be taught to dental care professional students - a mixed methods study', *European Journal of Dental Education* (2017), 10.1111/eje.12302 [A.F. Kahatab, Y.B. Ho, D. O'Reilly (...), A. Abdollahi, C. Mac Giolla Phadraig]
- O'Connell, Anne**, 'Selective reduction of talon cusps - a case series', *The Journal of Clinical Pediatric Dentistry* (2017), <http://dx.doi.org/10.17796/1053-4628-42.1.1> [R. Leith, A.C. O'Connell]
- Sagheri, Darius**, 'Evidence-based dentistry can effectively be taught to dental care professional students - a mixed methods study', *European Journal of Dental Education* (2017), 10.1111/eje.12302 [A.F. Kahatab, Y.B. Ho, D. O'Reilly (...), D. Sagheri *et al.*]
- 'Diagnostic accuracy of parents' ratings of their child's oral health-related quality of life', *Quality of Life Research*, 26, 4 (2017), 881-891 [D.R. Reissmann, M.T. John, D. Sagheri, I. Sierwald]

RESTORATIVE DENTISTRY AND PERIODONTOLOGY

- Duncan, Hal**, 'A re-audit of the technical quality of undergraduate root canal treatment after the introduction of new technology and teaching practices', *International Endodontic Journal*, 50, 10 (2017), 941-950 [A. Donnelly, D. Coffey, H.F. Duncan]
- 'A new diagnosis diagnostic system for assessing pulpitis and subsequent treatment needs', *International Endodontic Journal*, 50, 9 (2017), 825-829 [W.J. Wolters, H.F. Duncan, P.L. Tomson, M. Dorri, L. Stangvaltaite, L.W.M. van der Sluis]
- 'Research that matters - clinical studies', *International Endodontic Journal*, 49, 3 (2016), 224-226 [H.F. Duncan, L.L. Kirkevang, D. Ørstavik, P. Sequeira-Byron]
- Harrison, Peter**, 'Long-term clinical response to treatment and maintenance of localized aggressive periodontitis: a cohort study', *Journal of Clinical Periodontology*, 44, 2 (2017), 158-168 [K.A. Miller, L.S. Branco-de-Almeida, S. Wolf (...), P. Harrison *et al.*]
- '*Aggregatibacter actinomycetemcomitans* in African-Americans with localized aggressive periodontitis', *JDR Clinical and Translational Research*, 2, 3 (2017), 249-257 [D. Burgess, H. Huang, P. Harrison, I. Aukhil, L.M. Shaddox]
- 'Local and plasma biomarker profiles in localized aggressive periodontitis', *JDR Clinical and Translational Research*, 2, 3 (2017), 258-268 [L.S. Branco-de-Almeida, Y. Cruz-Almeida, Y. Gonzalez-Marrero, H. Huang, I. Aukhil, P. Harrison, S.M. Wallet, L.M. Shaddox]
- 'Non-surgical therapy reduces presence of JP2 clone in localized aggressive periodontitis', *Journal of Periodontology*, 88, 12 (2017), 1263-1270 [D.K. Burgess, H. Huang, P. Harrison, T. Kompotiati, I. Aukhil, L.M. Shaddox]
- 'Wellness among dental students: an institutional study', *Journal of Dental Education*, 80, 9 (2016), 1119-1125 [P.L. Harrison, L.M. Shaddox, C.W. Garvan, L.S. Behar-Horenstein]
- 'Plaque control and oral hygiene methods', *Journal of the Irish Dental Association*, 63, 3 (2017), 151-156 [P. Harrison]
- 'Periodontics for the general dental practitioner', *The dental reference manual: a daily guide for students and practitioners*, eds G.M. Weinstein, M.T. Zientz, USA, Springer (2017), 197-226 [P. Harrison, E. Monaghan, K. Schey]
- 'In situ anabolic activity of periodontal pathogens *Porphyromonas gingivalis* and *Filifactor alocis* in chronic periodontitis', *Scientific Reports*, 6 (2016), <http://dx.doi.org/10.1038/srep33638> [R. Spooner, K.M. Weigel, P.L. Harrison, K. Lee, G.A. Cangelosi, O. Yilmaz]
- 'Inflammatory response influences treatment of localized aggressive periodontitis', *Journal of Dental Research*, 95, 6 (2016), 635-641 [N. Allin, Y. Cruz-Almeida, I. Velsko (...), P. Harrison *et al.*]
- Leite Pimentel, Marina**, 'Retention systems for extraoral maxillofacial prosthetic implants: a critical review', *British Journal of Oral and Maxillofacial Surgery*, 55, 8 (2017), 763-769 [M.V. Cobain, N.P. Coto, O. Crivello Junior, J.B.D. Lemos, L.M. Vieira, M. Leite Pimentel, H.J. Byrne, R.B. Dias]
- MacCarthy, Denise**, 'An audit of the baseline dental status and treatment need of individuals referred to Dublin Dental University Hospital for a pre-radiotherapy dental and oral assessment', *Journal of the Irish Dental Association*, 63, 5 (2017), 269-276 [D. MacCarthy, M. Clarke, M. O'Regan]
- 'Campaign for awareness of cancer of the head and neck in Ireland', *British Journal of Oral and Maxillofacial Surgery*, 55 (2017), 213-214 [D. MacCarthy, C. McAlister, E. O'Sullivan]
- O'Connell, Brian**, 'Multidisciplinary management of hypodontia', *Prim Dent J*, 6, 1 (2017), 62-73 [M. O'Sullivan, B. O'Connell]
- O'Sullivan, Jeffrey**, 'Comparison of two different techniques used for the maintenance of peri-implant soft tissue health: a pilot randomized clinical trial', *Acta Odontologica Scandinavica*, 75, 7 (2017), 542-549 [L. Al Ghazal, J. O'Sullivan, N. Claffey, I. Polyzois]

Recent publications – Faculty of Health Sciences

- 'Raman spectroscopic analysis of oral cells in the high wavenumber region', *Experimental and Molecular Pathology*, 103, 3 (2017), 255-262 [L.F.C.S. Carvalho, F. Bonnier, C. Tellez (...), J. O'Sullivan *et al.*]
- O'Sullivan, Michael, 'Multidisciplinary management of hypodontia', *Prim Dent J*, 6, 1 (2017), 62-73 [M. O'Sullivan, B. C O'Connell]
- 'Weight status and dental problems in early childhood: classification tree analysis of a national cohort', *Dent. J.*, 5, 3 (2017), 25 [M. Crowe, M. O'Sullivan, O. Cassetti, A. O'Sullivan]
- 'First detailed characterization of the structural organization of type iii arginine catabolic mobile elements (ACMES) harbored by *Staphylococcus epidermidis* by whole genome sequencing', *Antimicrobial Agents And Chemotherapy*, 61, 10 (2017), 1-5:E01216-17 [B.A. McManus, A.M. O'Connor, P.M. Kinnevey, M. O'Sullivan, I. Polyzois, D.C. Coleman]
- Polyzois, Ioannis, 'Comparison of two different techniques used for the maintenance of peri-implant soft tissue health: a pilot randomized clinical trial', *Acta Odontologica Scandinavica*, 75, 7 (2017), 542-549 [L. Al Ghazal, J. O'Sullivan, N. Claffey, I. Polyzois]
- 'First detailed characterization of the structural organization of type iii arginine catabolic mobile elements (ACMES) harbored by *Staphylococcus epidermidis* by whole genome sequencing', *Antimicrobial Agents and Chemotherapy*, 61, 10 (2017), 1-5:E01216-17 B.A. McManus, A.M. O'Connor, P.M. Kinnevey, M. O'Sullivan, I. Polyzois, D.C. Coleman]
- 'Treatment of pathologic peri-implant pockets', *Periodontology 2000*, 76, 1 (2018), 180-190 [S. Renvert, I. Polyzois]

School of Medicine

- Guinan, Emer, 'Sarcopenia during neoadjuvant therapy for oesophageal cancer: characterising the impact on muscle strength and physical performance', *Supportive Care in Cancer* (2017), <http://dx.doi.org/10.1007/s00520-017-3993-0> [E.M. Guinan, S.L. Doyle, A.E. Bennett (...), J.V. Reynolds, J. Hussey]
- 'Multidisciplinary rehabilitation across the esophageal cancer journey', *Journal of Thoracic Diseases*, 9, 12 (2017), E1140-E1142 [L. O'Neill, J. Gannon, E. Guinan, J.V. Reynolds, J. Hussey]
- 'The ExPeCT (Exercise, Prostate Cancer and Circulating Tumour Cells) trial: study protocol for a randomised controlled trial', *Trials*, 18 (2017), 456 [G. Sheill, L. Brady, E. Guinan (...), R. McDermott, S. Finn]
- 'Sarcopenia: prevalence, and impact on operative and oncologic outcomes in the multimodal management of locally advanced esophageal cancer', *Annals of Surgery*, 266, 5 (2017), 822-830 [J.A. Elliott, S.L. Doyle, C.F. Murphy, S. King, E.M. Guinan, P. Beddy, R. Narayanasamy]
- 'Physical activity and advanced cancer: the views of chartered physiotherapists in Ireland', *Physiotherapy Theory and Practice*, 3 (2018), 1-8 [G. Sheill, E.M. Guinan, L. O'Neill, D. Hevey, J. Hussey]
- 'Reduced fitness and physical functioning are long-term sequelae after curative treatment for oesophageal cancer: a case-control study', *Diseases of the Esophagus*, 30, 8 (2017), 1-7 [J.A. Gannon, E.M. Guinan, S.L. Doyle, P. Beddy, J.V. Reynolds, J. Hussey]
- 'Response to: Is prehabilitation limited to preoperative exercise?', *Surgery*, 162, 1 (2017), 192-193 [J. Moran, E. Guinan, P. McCormick, J. Larkin, D. Mockler, J. Hussey, J. Moriarty, F. Wilson]
- 'Patient experiences of a physiotherapy-led multidisciplinary rehabilitative intervention after successful treatment for oesophago-gastric cancer', *Supportive Care in Cancer* (2018), 1-9 [A.E. Bennett, L. O'Neill, D. Connolly (...), E.M. Guinan *et al.*]
- Teeling, Mary, 'Impact of safety warnings on domperidone prescribing in Ireland', *Irish Journal of Medical Science* (2017), 5 [M. Teeling, M. MacAvin, K. Bennett]

CLINICAL MEDICINE

- Armstrong, Michelle**, 'Macrophage migration inhibitory factor enhances *Pseudomonas aeruginosa* biofilm formation, potentially contributing to cystic fibrosis pathogenesis', *FASEB Journal: Official Publication of the Federation of American Societies for Experimental Biology*, 31, 11 (2017), 5102-5110 [A. Tynan, L. Mawhinney, M.E. Armstrong (...), G. Cooke, S.C. Donnelly]
- Barr, Martin**, 'Cancer stem cells in drug resistant lung cancer: targeting cell surface markers and signaling pathways', *Pharmacology and Therapeutics*, 158 (2016), 71-90 [G. Leon, L. MacDonagh, S.P. Finn, S. Cuffe, M.P. Barr]
- 'Lung cancer stem cells: the root of resistance', *Cancer Letters*, 372, 2 (2016), 147-56 [L. MacDonagh, S.G. Gray, E. Breen, S. Cuffe, S.P. Finn, K.J. O'Byrne, M.P. Barr]
- 'KAT5 (Tip60) is a potential therapeutic target in malignant pleural mesothelioma', *International Journal of Oncology*, 48, 3 (2016), 1290-6 [S. Cregan, L. McDonagh, Y. Gao, M.P. Barr, K.J. O'Byrne, S.P. Finn, S. Cuffe, S.G. Gray]
- 'Targeting the cancer stem cell marker, aldehyde dehydrogenase 1, to circumvent cisplatin resistance in NSCLC', *Oncotarget*, 8, 42 (2017), 72544-72563 [L. MacDonagh, M.F. Gallagher, B. Ffrench (...), K.J. O'Byrne, M.P. Barr]
- 'Development and characterisation of a panel of phosphatidylinositide 3-kinase - mammalian target of rapamycin inhibitor resistant lung cancer cell lines', *Scientific Reports*, 8, 1 (2018), 1652 [S. Heavey, P. Dowling, G. Moore (...), M.P. Barr *et al.*]
- 'In vitro anticancer activity and in vivo biodistribution of rhenium(I) tricarbonyl aqua complexes', *Journal of the American Chemistry Society*, 139, 40 (2017), 14302-14314 [K.M. Knopf, B.L. Murphy, S.N. MacMillan, J.M. Baskin, M.P. Barr, E. Boros, J.J. Wilson]
- 'Bafilomycin a1 induces caspase-independent cell death in hepatocellular carcinoma cells via targeting of autophagy and MAPK pathways', *Scientific Reports*, 6 (2016), 37052 [Y. Yan, K. Jiang, P. Liu (...), M.P. Barr *et al.*]
- 'Modulating lysosomal function through lysosome membrane permeabilization or autophagy suppression restores sensitivity to cisplatin in refractory non-small-cell lung cancer cells', *PLoS ONE*, 12, 9 (2017), e0184922 [M. Circu, J. Cardelli, M. Barr, K. O'Byrne, G. Mills, H. El-Osta]
- Basdeo, Sharee**, 'Suppression of human alloreactive T cells by linear tetrapyrroles; relevance for transplantation', *Translational Research*, 178 (2016), 81-94 [S.A. Basdeo, N.K. Campbel, L.M. Sullivan, B. Flood, E.M. Creagh, T.J. Mantle, J.M. Fletcher, A. Dunne]
- 'Ex-Th17 (nonclassical Th1) cells are functionally distinct from classical Th1 and Th17 cells and are not constrained by regulatory T cells', *Journal of Immunology* (2017), <https://doi.org/10.4049/jimmunol.1600737> [S.A. Basdeo, D. Cluxton, J. Sulaimani (...), U. Fearon, J.M. Fletcher]
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