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 BIO SCIENCES


'Effective cleaning and decontamination of the internal air and water channels, heads and head-gears of multiple contra angle dental handpieces using an enzymatic detergent and automated washer disinfection in a dental hospital setting', Journal of Hospital Infection, 128, October (2022), 80-88 [E.C. Deasy, T.A. Scott, J.S. Swan, M.J. O'Donnell, D.C. Coleman]


Deasy, Emily, 'Effective cleaning and decontamination of the internal air and water channels, heads and head-gears of multiple contra angle dental handpieces using an enzymatic detergent and automated washer disinfection in a dental hospital setting', Journal of Hospital Infection, 128, October (2022), 80-88 [E.C. Deasy, T.A. Scott, J.S. Swan, M.J. O'Donnell, D.C. Coleman]


'Effective cleaning and decontamination of the internal air and water channels, heads and head-gears of multiple contra angle dental handpieces using an enzymatic detergent and automated washer disinfection in a dental hospital setting', Journal of Hospital Infection, 128, October (2022), 80-88 [E.C. Deasy, T.A. Scott, J.S. Swan, M.J. O'Donnell, D.C. Coleman]


Deasy, Emily, 'Effective cleaning and decontamination of the internal air and water channels, heads and head-gears of multiple contra angle dental handpieces using an enzymatic detergent and automated washer disinfection in a dental hospital setting', Journal of Hospital Infection, 128, October (2022), 80-88 [E.C. Deasy, T.A. Scott, J.S. Swan, M.J. O'Donnell, D.C. Coleman]


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'A dentifrice containing salivary enzymes and xylitol exhibits superior antimicrobial activity in vitro against adherent Streptococcus mutans compared to a chlorhexidine dentifrice', Letters in Applied Microbiology, 76, 2 (2023) [M. O'Connor, G. Harrison, D. Lenahan, G.P. Moran]

'Does fluoride exposure impact on the human microbiome?', Toxicology Letters (2023), S0378-4274(23)00098-X [G.P. Moran, L. Zgaga, B. Daly, M. Harding, T. Montgomery]


ORAL AND MAXILLOFACIAL SURGERY, MEDICINE, PATHOLOGY AND RADIOLOGY


'Successful treatment of oral potentially malignant lesions with ruxolitinib in STAT3 gain-of-function disease', Oral Oncology, 132 (2022), 106015 [C. Mulvihill, K. Fitzgerald, E. O'Regan, C.M. Healy, T.R. Leahy]


'Occupational socioeconomic risk associations for head and neck cancer in Europe and South America: individual participant data analysis of pooled case-control studies within the INHANCE consortium', Journal of Epidemiology and Community Health, 75, 8 (2021), 779-787 [D.I. Conway, J. Hovanec, W. Ahrens, A. Ross, T. Behrens, A.D. McMahon]

'A review of the evidence for the provision of the routine scale and polish for the prevention of periodontal disease', Dental Update, 48, 3 (2021), 201-205 [R. Birt, C.M. Healy, D. McCarthy, L. Winning]


'Risk factors for head and neck cancer in more and less developed countries: analysis from the INHANCE consortium', Oral Diseases [Y.A. Lee, J.E. Muscat]


PUBLIC AND CHILD DENTAL HEALTH


RESTORATIVE DENTISTRY AND PERIODONTOLOGY


X54
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'Developing students' feedback literacy in healthcare curriculum: a supportive educational innovation', *ADEE August 2022* (2022), http://hdl.handle.net/2262/101144 [S. Davis, D. Quigley, M. O' Neill, L. Alpine, E. O'Connor, M. Kearney, C. Poole]


'Association of TGFβ1 rs1800469 and BCMO1 rs6564851 with coronary heart disease and IL1B rs16944 with all-cause mortality in men from the Northern Ireland PRIME study', *PLoS ONE*, 17, 8 (2022), e0273333 [R.E. Mooney, G.J. Linden, L. Winning (...), C.C. Patterson, G.J. McKay]


"My role as a parent, to me, has narrowed" the impact of early inflammatory arthritis on parenting roles: a qualitative study', *Disability and Rehabilitation* (2022), http://dx.doi.org/10.1080/09638288.2022.2025928 [Y. Codd, A. Coe, R.H. Mullan, D. Kane, T. Stapleton]


'A multidisciplinary led early arthritis service to manage client identified participation restrictions in early inflammatory arthritis: a qualitative study of service user and staff perspectives', *Musculoskeletal Care*, 21, 1 (2023), 130-142 [Y. Codd, A. Coe, D. Kane, R.H. Mullan, T. Stapleton]

'Comparative genetic analysis of psoriatic arthritis and psoriasis for the discovery of genetic risk factors and risk prediction modeling', *Arthritis and Rheumatology*, 74, 9 (2022), 1535-1543 [M. Soomro, M. Stadler, N. Dand, J. Bluett, J. Bowes, A. Barton]


"You don't want to be seen as a burden" - experiences of working with early inflammatory arthritis: a qualitative study', *Disability and Rehabilitation* (2022), http://dx.doi.org/10.1080/09638288.2022.2107084 [Y. Codd, R.H. Mullan, D. Kane, T. Stapleton]


'A physiotherapy-led transition to home intervention for older adults following emergency department discharge: protocol for a pilot feasibility randomised controlled trial', *Pilot and Feasibility Studies*, 8, 1 (2022), 1-14 [M. Conneely, A. Leahy, M. O'Connor (...), D. Trepel et al.]
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'A physiotherapy-led transition to home intervention for older adults following emergency department discharge: a pilot feasibility randomised-controlled trial', *Age and Ageing*, 51, 3 (2022), afac218-233 [M. Conneely, A. Holmes, M. O'Connor (…), L. Barry, A. Griffin]


ANATOMY


*Mahony, Nicholas,* 'Efficacy of resistance training during adjuvant chemotherapy and radiation therapy in cancer care: a systematic review and meta-analysis', *Supportive Care in Cancer* (2022), http://hdl.handle.net/2262/101060 [A. McGovern, N. Mahony, D. Mockler, N. Fleming]


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**CLINICAL MEDICINE**


'The effects of trained innate immunity on T cell responses; clinical implications and knowledge gaps for future research', *Frontiers in Immunology*, 12, 706583 (2021), http://hdl.handle.net/2262/97208 [D.M. Murphy, K.H.G. Mills, S.A. Basdeo]


'Trained immunity is induced in humans after immunization with an adenoviral vector covid-19 vaccine', *Journal of Clinical Investigation*, 133, 2 (2023), http://dx.doi.org/10.1172/JCI162581 [D.M. Murphy, D.J. Cox, S.A. Connolly (...), S.A. Basdeo]


'Thalamic pathology in frontotemporal dementia: predilection for specific nuclei, phenotype-specific signatures, clinical correlates, and practical relevance', *Brain Behav*, 13, 2 (2023), e2881 [M.C. McKenna, J. Lope, P. Bede, E.L. Tan]


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**Bradley, David**, 'Patients' experiences of remote neurology consultations during the covid-19 pandemic', *European Neurology*, 83, 6 (2021), 622-625 [M.C. McKenna, M. Al-Hinai, D. Bradley (...), E. Troy, C.P. Doherty]

‘Recurrent hypothalamic dysfunction in seropositive neuromyelitis optica’, *Neurology. Clinical Practice*, 11, 6 (2021), e911-e912 [M.C. McKenna, N. McNicholas, C. Fearon, D. Bradley]


‘Myeloid cell nuclear differentiation antigen controls the pathogen-stimulated type I interferon cascade in human monocytes by transcriptional regulation of IRF7’, *Nature Communications*, 13, 1 (2022), 14 [L. Gu, D. Casserly, G. Brady (...), L. Unterholzner, A.G. Bowie]


**Cloonan, Suzanne**, 'Mutant CHCHD10 causes an extensive metabolic rewiring that precedes OXPHOS dysfunction in a murine model of mitochondrial cardiomyopathy', *Cell Reports*, 38, 10 (2022), http://dx.doi.org/10.1016/j.celrep.2022.110475 [N.M. Sayles, N. Southwell, K. McAvoy (...), S. Cloonan et al.]


'Copper depletion modulates mitochondrial oxidative phosphorylation to impair triple negative breast cancer metastasis', *Nature Communications*, 12, 1 (2021), http://dx.doi.org/10.1038/s41467-021-27559-z [D. Ramchandani, M. Berisa, D.A. Tavarez (...), S.M. Cloonan et al.]


**Conway, Richard**, 'The 'unwell' clinical presentation - an opportunity for admission avoidance?', *Acute Medicine*, 21, 1 (2012), 12-18 [R. Conway, D. Byrne, D. O'Riordan, B. Silke]


'Benchmarking tocilizumab use for giant cell arteritis', *Rheumatol Adv Pract*, 6, 2 (2022) [R. Conway, M.S. Putman, S.L. Mackie]


'Ruxolitinib takes center stage for VEXAS syndrome', *Blood*, 140, 8 (2022), 807-808 [R. Conway]


'Prolonged covid-19 symptom duration in people with systemic autoimmune rheumatic diseases: results from the covid-19 global rheumatology alliance vaccine survey', *RMD Open*, 8, 2 (2022), e002587 [M. Dilorio, K. Kennedy, J.W. Liew, M.S. Putman, J.F. Simard, J.A. Sparks]


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'Prognostic value of positive blood cultures and culture results on outcomes in emergency medical admissions', European Journal of Internal Medicine (2022), S0953-6205(22)00434-4 [R. Conway, D.G. Byrne, D. O'Riordan, B. Silke]

'Metabolic bone health considerations in giant cell arteritis and polymyalgia rheumatica', Women's Health (London, England), 19 (2023), 17455057221147385 [C. Low, R. Conway]


'Outcome and utility of troponin and NT-proBNP testing in dyspnoea presentations', Irish Medical Journal, 116, 1 (2023), 710-710 [R. Conway, D.G. Byrne, D. O'Riordan, B. Silke]

'Lessons learned from a case of Behcet's disease presenting with fever and life-threatening venous thromboembolism', Cureus, 14, 12 (2022), e32546 [P. Conlon, D. Swan, N. O'Connell, Conway R.]

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'Correspondence re MASCC evidence-based recommendations for the management of malignant bowel obstruction', Supportive Care in Cancer: Official Journal of the Multinational Association of Supportive Care in Cancer, 30, 10 (2022), 7823-7824 [N. Cleary, C. Gouldthorpe, J. Power, A. Davies]


'A prospective, real-world, multinational study of naloxegol for patients with cancer pain diagnosed with opioid-induced constipation - the NACASY study', Cancers (Basel), 14, 5 (2022), 1128 [A. Davies, S. Cinieri, D. Dupoiron (...), J. Serna, J. Tack]

'Palliative care in the era of novel oncological interventions: needs some "tweaking"', Supportive Care in Cancer: Official Journal of the Multinational Association of Supportive Care in Cancer, 30, 7 (2022), 5569-5570 [J. Power, C. Gouldthorpe, A. Davies]


'Clinically-assisted hydration in patients in the last days of life (CHELSEA II trial): a cluster randomised trial', BMJ Open, 12 (2022), e068846 [A. Davies, M. Waghorn, M. Roberts, H. Gage, S. Skene]

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'Evaluation of the dose-dependent inflammatory response and no-observable adverse effect level of intravitreal endotoxin in the African green monkey', *Transl Vis Sci Technol* (2022), http://dx.doi.org/10.1167/tvst.11.8.17. [T.M. Corey, V.V. Woodley, M. O’Connor (…), S. Doyle et al.]


'Predicted cardiac and second cancer risks for patients undergoing VMAT for mediastinal Hodgkin lymphoma', *Clinical and Translational Oncology* (2023) [G. O Houlihan, G. Ntentas, D.J. Cutter, P. Daly, C. Gillham, O. McCrindle, F.K. Duane]


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'The IL-1 cytokine family as custodians of barrier immunity', *Cytokine*, 154, 155890 (2022) [L. Matarazzo, Y.E. Hernandez Santana, P.T. Walsh, P.G. Fallon]
'Study protocol for the St James’s Hospital, Tallaght University Hospital, Trinity College Dublin Allied Researchers’ (STTAR) bioresource for covid-19’, *HRB Open Research* (2022) [L. O'Doherty, S. Hendricken Phelan, N. Wood (...), P. Fallon et al.]

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'Ly6Chi monocytes balance regulatory and cytotoxic CD4 T cell responses to control virus-induced immunopathology', *Science Immunology*, 7 (2022), 3240 [C. Maquet, J. Baiwir, P. Loos (...), P.G. Fallon et al.]

'Obesity-mediated immune modulation: one step forward, (Th)2 steps back', *Frontiers in Immunology*, 13 (2022), 932893 [V. Schmidt, A.E. Hogan, P.G. Fallon, C. Schwartz]


'Von Willebrand factor links primary hemostasis to innate immunity', *Nature Communications*, 13 (2022), 6320 [C. Drakeford, S. Aguila, F. Roche (...), P. Fallon, J.S. O'Donnell]


'Reciprocal transcription factor networks govern tissue-resident ILC3 subset function and identity', *Nature Immunology*, 22, 10 (2021), 1245-1255 [R. Fiancette, C.M. Finlay, C. Willis (...), M.R. Hepworth, D.R. Withers]
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**Giunti, Guido**, 'Smart home applications for cognitive health of older adults', *Smart Home Technologies and Services for Geriatric Rehabilitation* (2022), 123-140 [G. Giunti]


'Usability assessment of an interactive health technology for kidney living donors', *BMJ Open* (2022), http://dx.doi.org/10.1136/bmjopen-2021-051166 [F. Ortiz, G. Giunti]


'Digital patient experience: umbrella systematic review’, *Journal of Medical Internet Research*, 24, 8 (2022), e37952 [T. Wang, G. Giunti, M. Melles, R. Goossens]

'Designing depression screening chatbots’, *15th International congress in nursing informatics, smart home technologies and services for geriatric rehabilitation* (2021), 259-263 [G. Giunti, M. Isomursu, E. Gabarron, Y. Solad]


**Gray, Steven**, 'Epigenetic modifier UHRF1 may be a potential target in malignant pleural mesothelioma', *Journal of Thoracic Oncology: Official Publication of the International Association for the Study of Lung Cancer*, 16, 1 (2021), 14-16 [A.M. Baird, S.P. Finn, S.G. Gray, O. Sheils]

'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]


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'Fibrosis in mesothelioma: potential role of lysyl oxidases', Cancers, 14, 4 (2022), 981 [L. Perryman, S.G. Gray]

'Comparison of 3 randomized clinical trials of frontline therapies for malignant pleural mesothelioma', JAMA Netw Open, 5, 3 (2022), e221490 [T. Meirson, F. Pentimalli, F. Cerza (...), S.G. Gray et al.]


'Emerging avenues in immunotherapy for the management of malignant pleural mesothelioma', BMC Pulmonary Medicine, 21, 1 (2021), 148 [S.G. Gray]

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'Healy, Claire', 'Growth of Mycobacterium tuberculosis at acidic pH depends on lipid assimilation and is accompanied by reduced GAPDH activity', PNAS, 118, 32 (2021) [A. Gouzy, C. Healy, K. Black, K.Y. Rhee, S. Ehrt]

'Irvine, Alan', 'Novel mixed-method, inclusive protocol involving global key stakeholders, including carers as experts, to co-develop relevant Caregiver-Reported Outcome Domains (CRODs) in skin disease', BMJ Open, 13, 1 (2023), e068893 [C. Walsh, G. Leavey, M. Mc Laughlin (...), A.D. Irvine et al.]

'Peripheral blood gene expression profile of infants with atopic dermatitis', JID Innovations, 3, 2 (2023), 100165 [J. Nousbeck, M.A. McAleer, A.D. Irvine]

'Kearney, Hugh', 'Postural stability is a valid and meaningful disability metric in progressive MS with potential for use in neuroprotective therapy trials', Multiple Sclerosis and Related Disorders, 52 (2021), 102946 [S.M. Yap, M.S. Etzelmueller, C. O'Keefe (...), H. Kearney et al.]

'Heterozygous variants in KCNC2 cause a broad spectrum of epilepsy phenotypes associated with characteristic functional alterations', medRxiv (2021), http://dx.doi.org/10.1101/2021.05.21.21257099 [N. Schwarz, S. Seiffert, M. Pendziwiat, A. Rademacher, I. Helbig, Y. Weber]


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'Dysphagia in solid tumors outside the head, neck or upper GI tract: clinical characteristics', *Journal of Pain and Symptom Management* (2022), http://dx.doi.org/10.1016/j.jpainsymman.2022.08.019 [C. Kenny, J. Regan, L. Balding (…), F. Kelleher et al.]


'The importance of real-world validation of machine learning systems in wearable exercise biofeedback platforms: a case study', *Sensors (Basel, Switzerland)*, 21, 7 (2021), 2346 [R. Argent, A. Bevilacqua, A. Keogh, A. Daly, B. Caulfield]

'It's not about the capture, it's about what we can learn': a qualitative study of experts' opinions and experiences regarding the use of wearable sensors to measure gait and physical activity', *Journal of Neuroengineering and Rehabilitation*, 18, 1 (2021), 78 [A. Keogh, K. Taraldsen, B. Caulfield, B. Vereijken]


'A cohort study to investigate sex-specific differences in ANCA-associated glomerulonephritis outcomes', *Scientific Reports*, 11, 1 (2021), http://dx.doi.org/10.1038/s41598-021-92629-7 [J. Scott, C. Canepa A. Buettner (…), A.D. Salama, M.A. Little]


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'Towards a rare disease registry standard: semantic mapping of common data elements between FAIRVASC and the European joint programme for rare disease', 5th Workshop on Semantic Web solutions for large-scale biomedical data analytics (SeWeBMeDA-2022), eds A. Hasnain, T. Robson, M. Dumontier, B. Kirby, D. Rebholz-Schuhmann, Hersonissos, Greece (2022), 1-11 [B. Yaman, K. McGlinn, L. Hederman, D. O'Sullivan, M.A. Little]


'Inhibitor of apoptosis proteins antagonist SM164 ameliorates experimental MPO-ANCA-associated vasculitis via enhancing fatty acid oxidation in neutrophils', *Rheumatology* (2022), http://dx.doi.org/10.1093/rheumatology/keac621 [L-Y. Wang, R-X. Wang, C. Wang (…), M.A. Little, M-. Zhao]


'MO214: health-related quality of life among patients with anca vasculitis', *Nephrology Dialysis Transplantation*, 37, 3 (2022) [E. Nic an Riogh, E. Gogarty, B. Reedy (…), A. White, M. Little]

**Long, Aideen**, 'IL-36 cytokines imprint a colitogenic phenotype on CD4+ T helper cells', *Mucosal Immunology* (2022), http://hdl.handle.net/2262/98443 [G. Leon, Y.E. Hernandez-Santana, N. Irwin (…), A. Long et al.]

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'SARS-CoV-2 spike and nucleocapsid proteins fail to activate human dendritic cells or T cells', *PLoS ONE*, 17, 7 (2022), e0271463 [K. Singh, S. Cogan, S. Elekes (…), A. Long et al.]

'L-plastin expression in HCT 116 colorectal cells increases migration and ROS in an NADPH oxidase-dependent manner', *Journal of Carcinogenesis and Mutagenesis*, 13, 4 (2022), 390 [E. Foran, M. Freeley, A. Long]
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**Maher, Vincent**, 'Evaluation of the effectiveness of a phase III specialised heart failure cardiac rehabilitation programme on patient's cardiovascular risk factor profile', *British Journal of Cardiac Nursing*, 16, 8 (2021), 1-10 [N. Fallon, M. Quirke, C. Edgeworth (…), V. Maher et al.]


'The use of deformation imaging in the assessment of patients pre and post transcatheter aortic valve implantation', *Echo Research and Practice*, 10, 1 (2023), 3 [M. Coyle, G. King, K. Bennett (…), A. Maree et al.]

**McGowan, Emer**, 'There’s definitely something wrong but we just don’t know what it is': a qualitative study exploring rowers’ understanding of low back pain', *Journal of Science and Medicine in Sport*, 25, 7 (2022), 557-563 [M.B. Casey, F. Wilson, L. Ng (…), J. Wall, E. McGowan]


'Comparative genetic analysis of psoriatic arthritis and psoriasis for the discovery of genetic risk factors and risk prediction modeling', *Arthritis and Rheumatology*, 74, 9 (2022), 1535-1543 [M. Soomro, M. Stadler, N. Dand, J. Bluett, J. Bowes, A. Barton]


'Score reproducibility and reliability in differentiating small bowel subepithelial masses from innocent bulges', *Digestive and Liver Disease*, 54, 10 (2022), 1403-1409 [M. Sciberras, K. Conti, L. Elli McNamara et al.]


'Key research questions for implementation of artificial intelligence in capsule endoscopy', *Therapeutic Advances in Gastroenterology*, 15 (2022), 17562848221132683. [R. Leenhardt, A. Koulaouzidis, A. Histace (…), D. McNamara et al.]

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'Single or double headed capsules for the investigation of suspected small bowel bleeding: are two heads better than one', *Frontiers in Gastroenterology*, 1 (2022), 1071797 [E. McCarthy, S. Sihag, C. Deane (…), S. O'Donnell, D. McNamara]

'The role of defensive information processing in population-based colorectal cancer screening uptake', *Cancer* (2023), 1-8 [N. Clarke, L. Hayes, A. McQueen (…), D. McNamara et al.]

'Low Colon Capsule Endoscopy (CCE) false negative rate for polyps excluding reader error', *Diagnostics*, 13, 1 (2022), 56 [S. Semenov, C. Costigan, M.S. Ismail, D. McNamara]

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'Early IFNβ secretion determines variable downstream IL-12p70 responses upon TLR4 activation', *Cell Reports*, 39, 13 (2022), 110989 [C. Posseme, A. Llibre, B. Charbit, L. Quintana-Murci, D. Duffy]


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'Publisher correction: 'Markedly poor physical functioning status of people experiencing homelessness admitted to an acute hospital setting' (10.1038/s41598-021-88590-0)', *Scientific Reports*, 11, 1 (2021), http://dx.doi.org/10.1038/s41598-021-96672-2 [S. Kiernan, C. Ni Cheallaigh, N. Murphy, J. Dowds, J. Broderick]
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'A qualitative study of older adults' experiences of embedding physical activity within their home care services in Ireland', *Journal of Multidisciplinary Healthcare*, 15 (2022), 1163-1173 [E. Burton, F.N. Horgan, V. Cummins (…), M. O'Sullivan et al.]


'Development of inhalable ATRA-loaded PLGA nanoparticles as host-directed immunotherapy against tuberculosis', *Pharmaceutics*, 14, 8 (2022), 1745 [A.Z. Bahlool, S. Fattah, A. O'Sullivan (…), M.P. O'Sullivan, S.A. Cryan]

'All trans retinoic acid as a host-directed immunotherapy for tuberculosis', *Curr Res Immunol*, 3 (2022), 54-72 [A.Z. Bahlool, C. Grant, S.A. Cryan, J. Keane, M.P. O'Sullivan]
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Prina Mello, Adriele, 'Endotoxin contamination of engineered nanomaterials: overcoming the hurdles associated with endotoxin testing', WIREs Nanomedicine and Nanobiotechnology (2021), http://dx.doi.org/10.1002/wnan.1738 [G. Hannon, A. Prina Mello]


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Calendar 2023-24 X87
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