

## Recent Publications – Research Institutes and Centres

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

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### ADAPT Centre For Digital Content Technology

*Kelleher, John*, 'Poisoning knowledge graph embeddings via relation inference patterns', *Proceedings of the joint conference of the 59th annual meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing (ACL-IJCNLP 2021)*, (2021), 16-30 [P. Bhardwaj, J. Kelleher, L. Costabello, D. O'Sullivan]

'Toward personalized web-based cognitive rehabilitation for patients with ischemic stroke: Elo rating approach', *JMIR Medical Informatics*, 9, 11 (2021), <http://dx.doi.org/10.2196/28090> [A. Garcia-Rudolph, E. Opisso, J.M. Tormos (...), J.D. Kelleher, M.B. Guitart]

'Using a hybrid agent-based and equation based model to test school closure policies during a measles outbreak', *BMC Public Health*, 21, 1 (2021), <http://hdl.handle.net/2262/98328> [E. Hunter, J.D. Kelleher]

'Adapting an agent-based model of infectious disease spread in an Irish county to covid-19', *Systems*, 9, 2 (2021), <http://hdl.handle.net/2262/98329> [E. Hunter, J.D. Kelleher]

'The impact of body mass index on functional rehabilitation outcomes of working-age inpatients with stroke', *European Journal of Physical and Rehabilitation Medicine*, 57, 2 (2021), 216-226 [J.D. Kelleher, B. Cegarra, J.S. Ruiz (...), J.M. Tormos, M. Bernabeu]

'Style as sentiment versus style as formality: the same or different?', *Lecture notes in computer science (including subseries lecture notes in artificial intelligence and lecture notes in bioinformatics)*, 12895 LNCS (2021), 487-499 [S. Jafaritazehjani, D. Lolive, J.D. Kelleher]

'Hybrid modelling for stroke care: review and suggestions of new approaches for risk assessment and simulation of scenarios', *NeuroImage: Clinical*, 31, 102694 (2021), <http://hdl.handle.net/2262/98331> [V.I. Madai, J.D. Kelleher, R. Magnusson (...), P. Gennemark, G. Cedersund]

'A hybrid agent-based and equation based model for the spread of infectious diseases', *JASSS*, 23, 4 (2020), 1-25 [E. Hunter, B.M. Namee, J. Kelleher]

*Ngo, Vuong*, 'A semantic search engine for historical handwritten document images', *Lecture notes in computer science, 25th international conference on Theory and Practice of Digital Libraries (TPDL)*, UK, Springer (2021), 60-65 [V.M. Ngo, G. Munnelly, F. Orlandi, P. Crooks, D. O'Sullivan, O. Conlan]

'An efficient classification algorithm for traditional textile patterns from different cultures based on structures', *Journal on Computing and Cultural Heritage (JOCCH)*, 14, 4 (2021), 1-22 [V.M. Ngo, T-V.T. Duong, T-B-T Nguyen, P.T. Nguyen, O. Conlan]

*Orlandi, Fabrizio*, 'Semantic schema mapping for interoperable data-exchange', *International Workshop on Ontology Matching (OM2020)*, (2020), 1-11 [H.J. Pandit, D. Graux, F. Orlandi, A. Crotti Junior, D. O'Sullivan, D. Lewis]

## Recent publications – Research Institutes and Centres

- 'Enhancing rare disease research with semantic integration of environmental and health data', *The tenth International Joint Conference on Knowledge Graphs (IJCKG'21)*, Thailand, ACM (2021), <http://hdl.handle.net/2262/97660> [A. Navarro-Gallinad, F. Orlandi, D. O'Sullivan]
- 'Hash-ssessing the freshness of SPARQL pipelines', *International Semantic Web Conference (ISWC) 2021: Posters, Demos, and Industry Tracks*, CEUR (2021), 1-5 [D. Graux, F. Orlandi, D. O'Sullivan]
- Pandit, Harshvardhan**, 'Semantic schema mapping for interoperable data-exchange', *International workshop on Ontology Matching (OM2020)*, (2020), 1-11 [H.J. Pandit, D. Graux, F. Orlandi, A. Crotti Junior, D. O'Sullivan, D. Lewis]
- 'Comparison of notice requirements for consent between ISO/IEC 29184:2020 and GDPR', *Journal of Data Protection and Privacy*, 4, 2 (2021), 194-203 [H.J. Pandit, G.P. Krog]
- 'An ontology for standardising trustworthy AI', *Factoring ethics in technology, policy making and regulation*, ed A.G. Hessami, London, UK, IntechOpen (2021), <http://hdl.handle.net/2262/96114> [D. Lewis, D. Filip, H.J. Pandit]
- 'Role of identity, identification, and receipts for consent', *Open Identity Summit 2021*, (2021), <http://hdl.handle.net/2262/96086> [H.J. Pandit, V. Jesus, S. Ammai, M. Lizar, S. D'Agostino]
- 'Consent receipts for a usage and auditable web of personal data', *IEEE Access* (2022), <http://hdl.handle.net/2262/98308> [V. Jesus, H.J. Pandit]
- Spillane, Brendan**, 'Provence: an intermediary-free solution for digital content verification', *Fourth workshop on knowledge-driven analytics and systems impacting human quality of life (KDAH-CIKM-2021)*, eds G. Cong, M. Ramanath, Gold Coast, Queensland, Australia (2021), 1-13 [B. Yousuf, M.A. Qureshi, B. Spillane (...), O. Conlan, J. Suiter]

### Centre for Research on Adaptive Nanostructures and Nanodevices (CRANN)

- Bekarevich, Raman**, 'Concerted influence of microstructure and adsorbed water on lithium-ion conduction of  $\text{Li}_{1.3}\text{Al}_{0.3}\text{Tl}_{1.7}(\text{PO}_4)_3$ ', *Journal of Power Sources*, 511 (2021), 230422 [H. Yamada, N. Morimoto, H. Mukohara (...), R. Bekarevich, K. Mitsuishi]
- Browne, Michelle**, 'Low-temperature synthesis and electrocatalytic application of large-area  $\text{PtTe}_2$  thin films', *Nanotechnology*, 31, 37 (2020), <http://hdl.handle.net/2262/96353> [J.B. Mc Manus, D.V. Horvath, M.P. Browne (...), G.S. Duesberg, N. McEvoy]
- 'Oxygen evolution catalysts under proton exchange membrane conditions in a conventional three electrode cell vs. electrolyser device: a comparison study and a 3D-printed electrolyser for academic labs', *Journal of Materials Chemistry A*, 9, 14 (2021), 9113-9123 [M.P. Browne, J. Dodwell, F. Novotny, V. Nicolosi, D.J.L. Brett, M. Pumera]
- '3D printing for electrochemical energy applications', *Chemical Reviews*, 120, 5 (2020), 2783-2810 [M.P. Browne, E. Redondo, M. Pumera]
- 'Hydrogen energy currency: beyond state-of-the-art transition metal oxides for oxygen electrocatalysis', *Current Opinion in Electrochemistry*, 21 (2020), 55-61 [H. Nolan, M.P. Browne]
- 'Inherent impurities in 3D-printed electrodes are responsible for catalysis towards water splitting', *Journal of Materials Chemistry A*, 8, 3 (2020), 1120-1126 [M.P. Browne, V. Urbanova, J. Plutnar, M. Pumera]
- 'Metal-organic-frameworks on 3D-printed electrodes: in situ electrochemical transformation towards the oxygen evolution reaction', *Sustainable Energy and Fuels*, 4, 7 (2020), 3732-3738 [Y. Ying, M.P. Browne, M. Pumera]
- McEvoy, Niall**, 'Synthesis and characterisation of thin-film platinum disulfide and platinum sulfide', *Nanoscale*, 13, 15 (2021), 7403-7411 [C.P. Cullen, O. Hartwig, D. McCloskey, G.S. Duesberg, N. McEvoy]

## Recent publications – Research Institutes and Centres

- 'Highly selective non-covalent on-chip functionalization of layered materials', *Advanced Electronic Materials* (2021), <http://hdl.handle.net/2262/96327> [R. Tilmann, T. Stimpel-Lindner, K.C. Knirsch, N. McEvoy, A. Hirsch, G.S. Duesberg]
- Mir, Sajjad*, 'Enhanced dye degradation through multi-particle confinement in a porous silicon substrate: a highly efficient, low band gap photocatalyst', *Advanced Optical Materials*, 2002238 (2021), 1-9 [S.H. Mir, B.D. Jennings, G. Engin Akinoglu, A. Selkirk, R. Gatensby, P. Mokarian-Tabari]
- 'Functional elastomeric copolymer membranes designed by nanoarchitectonics approach for methylene blue removal', *Journal of Inorganic and Organometallic Polymers and Materials* (2021), 1-12 [F. Sciortino, N.M. Sanchez-Ballester, S.H. Mir, G. Rydzek]
- Ponnupandian, Siva*, 'Self-healing hydrophobic POSS-functionalized fluorinated copolymers: via RAFT polymerization and dynamic Diels-Alder reaction', *Polymer Chemistry*, 12, 6 (2021), 876-884 [S. Ponnupandian, P. Mondal, T. Becker, R. Hoogenboom, A.B. Lowe, N.K. Singha]
- 'Polydimethylsiloxane based polyurethane and its composite with layered double hydroxide: synthesis and its thermal properties', *Polymer Engineering and Science*, 61, 12 (2021), 3163-3169 [C. Saha, S. Ponnupandian, F.R. Costa, G. Heinrich, N.K. Singha]
- 'POSS and fluorine containing nanostructured block copolymer; synthesis via RAFT polymerization and its application as hydrophobic coating material', *European Polymer Journal*, 131 (2020), <http://dx.doi.org/10.1016/j.eurpolymj.2020.109679> [S. Ponnupandian, A. Mondal, R. Hoogenboom, A.B. Lowe, N.K. Singha]
- Wang, Jing*, 'Microplastics in soils: an environmental geotechnics perspective', *Environmental Geotechnics*, 8, 8 (2021), 586-618 [B.C. O'Kelly, A. El-Zein, X. Liu, S.D.N. Patel]

## CONNECT

- Kilper, Daniel*, 'Demonstration of software-defined packet-optical network emulation with mininet-optical and ONOS', *Optical Fibre Communications (OFC)* (2020), 1-3 [B. Lantz, A. Diaz-Montiel, J. Yu, C. Rios, M. Ruffini, D. Kilper]
- 'Hybrid machine learning EDFA model', *Optical Fibre Communications (OFC)* (2020), 1-3 [S. Zhu, C. Gutterman, A. Diaz Montiel, J. Yu, M. Rufini, G. Zussman, D. Kilper]
- 'Real-time QoT estimation through SDN control plane monitoring evaluated in mininet-optical', *IEEE Photonics Technology Letters* (2021), 1050-1053 [A. Diaz-Montiel, B. Lantz, J. Yu, D. Kilper, M. Ruffini]
- 'SDN-controlled dynamic front-haul provisioning, emulated on hardware and virtual COSMOS optical x-Haul testbeds', *Optical Fibre Communications (OFC)* (2021), 1-3 [B. Lantz, J. Yu, A. Bhardwaj, A. Diaz-Montiel, A. Quraishy, S. Santaniello, T. Chen, R. Fujieda, A. Mukhopadhyay, G. Zussman, M. Ruffini and D. Kilper]
- 'Real-time control plane operations for gOSNR QoT estimation through OSNR monitoring', *Optical Fibre Communications (OFC)* (2021), 1-3 [A. Diaz-Montiel, A. Bhardwaj, B. Lantz, J. Yu, A.N. Quraishy, D. Kilper, M. Ruffini]
- 'Evolution to mesh 5G X-haul networks', *Optics InfoBase Conference Papers*, Part F174-OFC 2020(2020), <http://dx.doi.org/10.1364/OFC.2020.T3E.4> [J. Yu, S. Zhu, D. Kilper]
- 'Experiments on cloud-RAN wireless handover using optical switching in a dense urban testbed', *Optics InfoBase Conference Papers*, Part F174-OFC 2020 (2020), <http://dx.doi.org/10.1364/OFC.2020.Th2A.25> [A. Minakhmetov, C. Gutterman, T. Chen, J. Yu, C. Ware, L. Iannone, D. Kilper, G. Zussman]
- 'Efficient classification of polarization events based on field measurements', *Optics InfoBase Conference Papers*, Part F174-OFC 2020(2020), <http://dx.doi.org/10.1364/OFC-2020-Th3D.7> [K. Guan, J.E. Simsarian, F. Boitier, D. Kilper, J. Pesic, M. Sherman]
- 'Energy efficiency in optical networks', *Springer Handbooks* (2020), 631-664 [D.C. Kilper]

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- 'Dual use SDN controller for management and experimentation in a field deployed testbed', *Optics infobase conference papers*, F174-OFC 2020 (2020), <http://dx.doi.org/10.1364/OFC.2020.T3J.3> [J. Yu, C. Gutterman, A. Minakhmetov (...), I. Seskar, D. Kilper]
- 'New research scope', *IEEE Transactions on Green Communications and Networking*, 4, 4 (2020), 939-943 [D. Kilper, J. Thompson, Y. Zhang, K. Huang]
- 'Changing evolution of optical communication systems at the network edges', *Applied Optics*, 59, 22 (2020), G209-G218 [D.C. Kilper, N. Peyghambarian]
- 'Challenge: COSMOS: a city-scale programmable testbed for experimentation with advanced wireless', *Proceedings of the annual international conference on Mobile Computing and Networking, MOBICOM* (2020), 177-189 [D. Raychaudhuri, I. Seskar, G. Zussman (...), D. Kilper *et al.*]
- 'AgileDCN: an agile reconfigurable optical data center network architecture', *Journal of Lightwave Technology*, 38, 18 (2020), 4922-4934 [D.D. Le, L.P. Barry, D.C. Kilper, P. Perry, J. Wang, C. McArdle]
- 'Machine-learning-based EDFA gain estimation', *Journal of Optical Communications and Networking*, 13, 4 (2021), B83-B91 [J. Yu, S. Zhu, C.L. Gutterman, G. Zussman, D.C. Kilper]
- 'Towards enabling residential virtual-desktop computing', *IEEE Transactions on Cloud Computing* (2021), <http://dx.doi.org/10.1109/TCC.2021.3113905> [H. Dong, A.T. Kinfe, J. Yu, Q. Liu, D. Kilper, R.D. Williams, M. Veeraraghavan]
- 'Optical networking in smart city and wireless future networks platforms', *2021 European Conference on Optical Communication, ECOC 2021* (2021), <http://dx.doi.org/10.1109/ECOC52684.2021.9605836> [D. Kilper, J. Yu, S. Santaniello]
- Narbudowicz, Adam**, 'Energy efficient dynamic directional modulation with electrically small antennas', *IEEE Antennas and Wireless Propagation Letters* (2022), <http://dx.doi.org/10.1109/LAWP.2022.3141212> [A. Narbudowicz, A. Zandamela, N. Marchetti, M. Ammann]
- 'Digital pattern synthesis with a compact MIMO antenna of half-wavelength diameter', *AEU International Journal of Electronics and Communications*, 135, June 2021 (2021), <http://hdl.handle.net/2262/97932> [A. Zandamela, K. Schraml, S. Chalermwisutkul, D. Heberling, A. Narbudowicz]

## Trinity College Institute of Neuroscience (TCIN)

- Setti, Annalisa**, 'The effect of eye disease, cataract surgery and hearing aid use on multisensory integration in ageing', *Cortex; a journal devoted to the study of the nervous system and behavior*, 133 (2020), 161-176 [R.J. Hirst, A. Setti, C. De Looze, K.O. Akuffo, T. Peto, R.A. Kenny, F.N. Newell]
- 'Social factors may mediate the relationship between subjective age-related hearing loss and episodic memory.', *Aging and Mental Health* (2020), 1-8 [D.G. Loughrey, J. Feeney, F. Kee, B.A. Lawlor, J.V. Woodside, A. Setti, J.M. Power]
- 'Urban and rural environments differentially shape multisensory perception in ageing', *Aging, Neuropsychology, and Cognition* (2021), <http://hdl.handle.net/2262/96231> [R.J. Hirst, M. Cassarino, R.A. Kenny, F.N. Newell, A. Setti]
- 'Gray matter volume in the right angular gyrus is associated with differential patterns of multisensory integration with aging', *Neurobiology of Aging*, 100 (2021), 83-90 [R.J. Hirst, R. Whelan, R. Boyle (...), A. Setti *et al.*]
- 'What you see is what you hear: twenty years of research using the sound-induced flash illusion', *Neuroscience and Biobehavioral Reviews*, 118 (2020), 759-774 [R.J. Hirst, D.P. McGovern, A. Setti, L. Shams, F.N. Newell]
- 'Virtual reality nature exposure and test anxiety', *Multimodal Technologies and Interaction*, 4, 4 (2020), 1-14 [A. O'Meara, M. Cassarino, A. Bolger, A. Setti]

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'Audio-visual training in older adults: 2-interval-forced choice task improves performance', *Frontiers in Neuroscience*, 14, 569212 (2020), <http://hdl.handle.net/2262/96263> [J.M. O'Brien, J.S. Chan, A. Setti]

'Neighbourhood environment and cognitive vulnerability - a survey investigation of variations across the lifespan and urbanity levels', *Sustainability (Switzerland)*, 12, 19 (2020), 1-15 [M. Cassarino, E. Bantry-White, A. Setti]

'Editorial: Factors underpinning and influencing drivers' aberrant behaviors across the life course', *Frontiers in Psychology*, 10, 3030 (2020), <http://dx.doi.org/10.3389/fpsyg.2019.03030> [F. Lucidi, A. Bosco, L. Mallia, A. Setti]

'Parenting stress during the covid-19 outbreak: socioeconomic and environmental risk factors and implications for children emotion regulation', *Family Process* (2020), <http://dx.doi.org/10.1111/famp.12601> [M. Spinelli, F. Lionetti, A. Setti, M. Fasolo]

## Trinity Long Room Hub

**Doran, Michelle**, 'Evaluating a taxonomy of textual uncertainty for collaborative visualisation in the digital humanities', *Information*, 12, 11 (2021), 20 [A. Benito-Santos, M. Doran, A. Dorn (...), R. Therón, E. Wandl-Vogt]

'Digitized Beckett: Samuel Beckett's self-translation praxes mediated through digital technology', *Anglia Special Issue 1 2021: Book Histories in the Digital Age*, 1 (2021), 181-194 [M. Doran, G. Nugent Folan]

'Reflections on digital editions: from humanities computing to digital humanities, the influence of web 2.0 and the impact of the editorial process', *Variants*, 15-16 (2021), 213-230 [M. Doran]

**Szita, Kata**, 'Remote and lab-based research of viewing experiences and recollection in cinematic virtual reality', *Swedish Cognitive Science Society (SweCog) 16th annual conference*, eds E. Billing, A. Kalckert, (2021), 41-43 [K. Szita, P. Gander]

'Embodied interaction and immersive film experiences on smartphones', *Mobile storytelling in an age of smartphones*, eds M. Schleser, X. Xu, Cham, Palgrave Macmillan (2021), 205-219 [K. Szita]

**Whelan, Caoimhe**, 'Dragons, giants and beautiful women: medieval Dublin in the European imagination', *Medieval Dublin XVIII* (2021), 264-82 [C. Whelan]

## Trinity Translational Medicine Institute (TTMI)

**Heeran, Aisling**, 'The protein secretome is altered in rectal cancer tissue compared to normal rectal tissue, and alterations in the secretome induce enhanced innate immune responses', *Cancers*, 13, 3 (2021), 571 [A.B. Heeran, M.R. Dunne, M.E. Morrissey (...), N. Lynam-Lennon, J. O'Sullivan]

'Characterizing caspase-1 involvement during esophageal disease progression', *Cancer Immunology Immunotherapy*, 69, 12 (2020), 2635-2649 [G. Barber, A. Anand, K. Oficjalska (...), A.B. Heeran *et al.*]

'The prognostic value of the lymph node in oesophageal adenocarcinoma; incorporating clinicopathological and immunological profiling', *Cancers* (2021), <http://dx.doi.org/10.3390/cancers13164005> [N.E. Donlon, M. Davern, A. Sheppard (...), A.B. Heeran *et al.*]

'High cysteinyl leukotriene receptor 1 expression correlates with poor survival of uveal melanoma patients and cognate antagonist drugs modulate the growth, cancer secretome, and metabolism of uveal melanoma cells', *Cancers*, 12, 10 (2020), <http://dx.doi.org/10.3390/cancers12102950> [K. Slater, A.B. Heeran, S. Garcia-Mulero (...), J. O'Sullivan, B.N. Kennedy]

'Radiation-Induced Bystander Effect (RIBE) alters mitochondrial metabolism using a human rectal cancer ex vivo explant model', *Translational Oncology*, 14, 1 (2021), 100882 [A.B. Heeran, H.P. Berrigan, C.E. Buckley (...), N. Lynam-Lennon, J. O'Sullivan]

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'Opposing immune-metabolic signature in visceral versus subcutaneous adipose tissue in patients with adenocarcinoma of the oesophagus and the oesophagogastric junction', *Metabolites*, 11, 11 (2021), <http://dx.doi.org/10.3390/metabo11110768> [A.B. Heeran, J. McCready, M.R. Dunne (...), N. Lynam-Lennon, J. O'Sullivan]

*Movia, Dania*, 'Editorial: use of 3D models in drug development and precision medicine - advances and outlook', *Frontiers in Bioengineering and Biotechnology*, 9, 658941 (2021), <http://dx.doi.org/10.3389/fbioe.2021.658941> [A. Prina-Mello, L. Bonacina, D. Staedler, D. Movia]

## Library

*Davis, Edie*, 'Preserving data journalism: a systematic literature review', *Journalism Practice* (2021), 1-23 [B. Heravi, K. Cassidy, E. Davis, N. Harrower]

'Linked data and cultural heritage', *Journal on Computing and Cultural Heritage*, 14, 2 (2021), 1-18 [E. Davis, B. Heravi]

*Eustace-Cook, Jessica*, 'Challenges faced by student nurses and midwives in clinical learning environment - a systematic review and meta-synthesis', *Nurse Education Today*, 101 (2021), 104875 [S. Panda, M. Dash, J. John (...), K. Mohanty, J. Eustace-Cook]

'Prevalence of tobacco smoking among European migrants residing in EU 15 countries: a quantitative systematic review protocol', *JBI Evidence Synthesis*, 18, 12 (2020), 2647-2657 [G. Byrne, F. Murphy, J. Eustace-Cook (...), K. Neenan, G. McKee]

'Community nurses' attitudes, knowledge and educational needs in relation to urinary continence, continence assessment, and management: a systematic review', *Journal of Clinical Nursing* (2021), <https://doi-org.elib.tcd.ie/10.1111/jocn.15969> [M. McCann, A.M. Kelly, J. Eustace-Cook, C. Howlin, L. Daly]

'The use of mHealth apps by nurses in the management of chronic wounds: a scoping review protocol', *JBI Evidence Synthesis*, 19, 10 (2021), 2783-2789 [G. Vaughan, G. Prizeman, J. Eustace Cook, G. Byrne]

'Initiating technology dependence to sustain a child's life: a systematic review of reasons', *Journal of Medical Ethics* (2021), <http://hdl.handle.net/2262/97423> [D. Alexander, M.B. Quirke, J. Berry (...), M. Healy, M. Brenner]

'Assessment of workplace integration of migrant nurses and midwives within international health care settings: a scoping review protocol', *JBI Evidence Synthesis* (2022), <http://dx.doi.org/10.1112/JBIES-21-00239> [B. McBrien, F. O'Brien, S.R. Shetty, J. Eustace-Cook, G. Byrne]

*Gillis, John*, *The Faddan More Psalter the discovery and conservation of a medieval treasure*, first edition, Dublin, Wordwell Books (2021), 1-310 [J. Gillis]

*Harpur, Isolde*, 'The effects of caffeine on voice: a systematic review', *Journal of Voice: Official Journal of the Voice Foundation* (2021), <http://hdl.handle.net/2262/97404> [V.L. Georgalas, N. Kalantzi, I. Harpur, C. Kenny]

*Mockler, David*, 'Pregnancy in axial spondyloarthritis. A systematic review and meta-analysis', *Seminars in Arthritis and Rheumatism* (2020), <https://doi.org/10.1016/j.semarthrit.2020.08.011> [S. Maguire, T. O'Dwyer, D. Mockler, F. O'Shea, F. Wilson]

'Environmental risk factors associated with ANCA associated vasculitis: a systematic mapping review', *Autoimmunity Reviews* (2020), 102660 [J. Scott, J. Hartnett, D. Mockler, M.A. Little]

'Prevalence and risk factors for back pain in sports: a systematic review with meta-analysis', *British Journal of Sports Medicine* (2020), 1-9 [F. Wilson, C. Ardern, J. Hartvigsen (...), D. Mockler, J.S. Thornton]

'Treating low back pain in athletes: a systematic review with meta-analysis', *British Journal of Sports Medicine*, 55 (2021), 656-662 [J. Thornton, J.P. Caneiro, J. Hartvigsen (...), D. Mockler et al.]

## Recent publications – Research Institutes and Centres

- 'Health-related quality of life in narcolepsy: a systematic review and meta-analysis', *Journal of Sleep Medicine*, 00:e13383 (2021), <http://hdl.handle.net/2262/96485> [R. Tandrous, D. O'Rourke, D. Mockler, J. Broderick]
- 'Preoperative high intensity interval training for oncological resections: a systematic review and meta-analysis', *Surgical Oncology*, 38 (2021), 101620 [E. Smyth, L. O'Connor, D. Mockler, J.V. Reynolds, J. Hussey, E. Guinan]
- 'The effectiveness of community neurorehabilitation for persons with an acquired brain injury: protocol for a systematic review', *HRB Open Research*, 4 (2021), 25 [E. Mitchell, N. Phillips, E. Ahern (...), D. Mockler *et al.*]
- 'Transcutaneous spinal cord stimulation and motor responses in individuals with spinal cord injury: a methodological review', *PLoS ONE* (2021), <http://hdl.handle.net/2262/98150> [C. Taylor, C. McHugh, D. Mockler, C. Minogue, R.B. Reilly, N. Fleming]
- 'Decision aids for female BRCA mutation carriers: a scoping review protocol', *BMJ*, 11, 7 (2021), e045075 [S.A. McGarrigle, G. Prizeman, C. Spillane (...), D. Mockler *et al.*]
- 'Metastatic gastroesophageal cancer in older patients - is this patient cohort represented in clinical trials?', *BMC Cancer* (2021), <http://dx.doi.org/10.21203/rs.3.rs-684646/v1> [M.A. Hennessy, M. Hamid, N. Keegan (...), D. Mockler, A. O'Donovan]
- 'Epidural spinal cord stimulation for motor recovery in spinal cord injury: a systematic review', *Neuro Rehabilitation*, 49, 1 (2021), 1-22 [C. McHugh, C. Taylor, D. Mockler, N. Fleming]
- 'The effectiveness of nutrition interventions combined with exercise in upper gastrointestinal cancers: a systematic review', *Nutrients*, 13, 8 (2021), 2842 [F. Sadeghi, D. Mockler, E.M. Guinan, J. Hussey, S.L. Doyle]
- 'Neonatal sepsis definitions from randomised clinical trials', *Pediatric Research* (2021), <http://dx.doi.org/10.1038/s41390-021-01749-3> [R. Hayes, J. Hartnett, G. Semova, D. Mockler]
- 'It's not all about power: a systematic review and meta-analysis comparing sex-based differences in kicking biomechanics in soccer', *Sports Biomechanics* (2021), 1-44 [M. Boyne, C. Simms, N. van Dyk (...), D. Mockler, F. Wilson]
- 'Participation of older patients with advanced gastroesophageal cancer in clinical trials: a systematic review of age-restrictive inclusion criteria over the last 25 years', *Journal of Clinical Oncology*, 39, 15 (2021), e24017 [M. Hennessy, M. Hamid, C. Goggin (...), D. Mockler, A.G. O'Donovan]
- 'C-reactive protein and c-reactive protein-based scores to predict survival in esophageal and junctional adenocarcinoma: systematic review and meta-analysis', *Annals of Surgical Oncology* (2021), <http://dx.doi.org/10.1245/s10434-021-10988-x> [C.M. Lorton, L. Higgins, N. O'Donoghue (...), D. Mockler *et al.*]
- 'ASO visual abstract: c-reactive protein and c-reactive protein-based scores to predict survival in esophageal and junctional adenocarcinoma: systematic review and meta-analysis', *Annals of Surgical Oncology* (2021), <http://dx.doi.org/10.1245/s10434-021-11063-1> [C.M. Lorton, L. Higgins, N. O'Donoghue (...), D. Mockler *et al.*]
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## Recent publications – Research Institutes and Centres

- 'A systematic review of persistent symptoms and residual abnormal functioning following acute covid-19: ongoing symptomatic phase vs. post-covid-19 syndrome', *Journal of Clinical Medicine*, 10, 24 (2021), 10.3390/jcm10245913 [G. Jennings, A. Monaghan, F. Xue, D. Mockler, R. Romero-Ortuno]
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### **Recent publications – Research Institutes and Centres**

'Is there a bidirectional association between sedentary behaviour and cognitive decline in older adults? Findings from the Irish longitudinal study on ageing', *Preventive Medicine Reports*, 23 (2021), 101423 [C.M. Maasackers, J.A.H.R. Claassen, S. Scarlett (...), J. Feeney, R.J.F. Melis]