

Recent Publications – Research Institutes and Centres

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.

ADAPT Centre for Digital Content Technology

Burin, Dalila, 'Neuroendocrine response and state anxiety due to psychosocial stress decrease after a training with subject's own (but not another) virtual body: an RCT study', *International Journal of Environmental Research and Public Health*, 19, 10 (2022), 6340 [D. Burin, G. Cavanna, D. Rabellino, Y. Kotozaki, R. Kawashima]

'Editorial: Virtual, mixed, and augmented reality in cognitive neuroscience and neuropsychology', *Frontiers in Psychology* (2022), <http://dx.doi.org/10.3389/fpsyg.2022.1010852> [D. Burin, A. Salatino, M. Ziat]

Lasek-Markey, Marta, 'Conscientious objection in an uncertain time: new challenges in Ireland', *Religions*, 14 (2023), 1-16 [D. Ryan, M. Lasek-Markey, A. Mulligan, L. Hogan, B. Tunder]

Centre for Research on Adaptive Nanostructures and Nanodevices (CRANN)

Bekarevich, Raman, 'High cathode loading and low temperature operating garnet-based all-solid-state lithium batteries material/process/architecture optimization and understanding of cell failure', *Small* (2023), 2301904 (14 pp) [H. Yamada, T. Ito, T. Nakamura, R. Bekarevich, K. Mitsuishi, S. Palakkathodi Kammampata]

'Tantalum nitride-enabled solar water splitting with efficiency above 10%', *Advanced Energy Materials*, 13, 36 (2023), <http://dx.doi.org/10.1002/aenm.202301327> [Y. Pihosh, V. Nandal, T. Higashi, R. Shoji, R. Bekarevich]

'Nanostructured tantalum nitride for enhanced solar water splitting', *ACS Energy Letters*, 8, 5 (2023), 2106-2112 [Y. Pihosh, V. Nandal, R. Shoji, R. Bekarevich, T. Higashi, V. Nicolosi]

'Effect of the alloying elements in TiN sublayer on the structure and mechanical properties of carbon coatings', *Thin Solid Films*, 755 (2022), 139324-1-139324-10 [J. Fang, D.G. Piliptsov, R. Bekarevich, A.V. Rogachev, X. Jiang, E. Kulesh]

Carey, Tian, 'Solution-processed heterojunction photodiodes based on WSe₂ nanosheet networks', *Small* (2023), <http://hdl.handle.net/2262/103949> [S. Liu, T. Carey, J. Munuera, K. Synnatschke, H. Kaur]

'Tuneable piezoresistance of graphene-based 2D:2D nanocomposite networks', *Advanced Functional Materials*, 33, 34 (2023), <http://hdl.handle.net/2262/103952> [J.R. Garcia, M. McCrystal, T. Carey, J.N. Coleman]

'Solution processed, vertically stacked hetero-structured diodes based on liquid-exfoliated WS₂ nanosheets: from electrode-limited to bulk-limited behavior', *Nanoscale*, 14, 42 (2022), 15679-15690 [S. Liu, E.X. Ding, A.G. Kelly, L. Doolan, C. Gabett, T. Carey]

'High-mobility flexible transistors with low-temperature solution-processed tungsten dichalcogenides', *ACS Nano*, 17, 3 (2023), 2912-2922 [T. Carey, O. Cassidy, K. Synnatschke, E. Caffrey, J. Garcia, D. O'Suilleabhain]

Recent publications – Research Institutes and Centres

- 'Liquid-phase exfoliation of nonlayered non-Van-der-Waals crystals into nanoplatelets', *Advanced Materials*, 10, 2 (2023), 024003 [H. Kaur, J. Coleman]
- 'Quantifying the piezoresistive mechanism in high-performance printed graphene strain sensors', *ACS Applied Materials and Interfaces* (2022), <http://hdl.handle.net/2262/98390> [E. Caffrey, J.R. Garcia, D. O'Suilleabhain, C. Gabbett, T. Carey, J.N. Coleman]
- 'Highly conductive networks of silver nanosheets', *Small* (2022), <http://hdl.handle.net/2262/98370> [A.G. Kelly, J. O'Reilly, C. Gabbett, J.N. Coleman]
- 'Cyclic production of biocompatible few-layer graphene ink with in-line shear-mixing for inkjet-printed electrodes and Li-ion energy storage', *NPJ 2D Materials and Applications*, 6, 1 (2022), <http://hdl.handle.net/2262/98025> [T. Carey, A. Alhourani, R. Tian, S. Seyedin, J.N. Coleman]
- Li, Dunzhu, 'High levels of microparticles release from biodegradable polylactic acid paper cups compared with polyethylene-lined cups', *Chemical Engineering Journal*, 468 (2023), 143620 [J.J. Wang, L. Yang, D. Li, Y. Shi, J.J. Boland, L. Xiao]
- 'Recent implementations of hydrogel-based microbial electrochemical technologies (METs) in sensing applications', *Sensors*, 23, 2 (2023), 641 [Z. Wang, D. Li, Y. Shi, Y. Sun, S.I. Okeke, L. Xiao]
- 'Application of 3D printing technology in sensor development for water quality monitoring', *Sensors*, 23, 5 (2023), 2366 [Y. Sun, D. Li, Y. Shi, Z. Wang, S.I. Okeke, L. Xiao]
- 'Structure evolution of air cathodes and their application in electrochemical sensor development and wastewater treatment', *Science of the Total Environment*, 869 (2023), 161689 [D. Li, Y. Sun, Y. Shi, Z. Wang, S. Okeke, L. Yang]
- 'Alcohol pretreatment to eliminate the interference of micro additive particles in the identification of microplastics using Raman spectroscopy', *Environmental Science and Technology*, 56, 17 (2022), 12158-12168 [D. Li, E.D. Sheerin, Y. Shi, L. Xiao, L. Yang, J. Boland]
- 'Characterising operational performance and oxygen crossover of the low-cost cylindrical cathode in microbial fuel cells', *Journal of Environmental Chemical Engineering*, 11, 2 (2023), 109462 [D. Li, Y. Shi, Z. Wang, F. Gao, L. Yang, Y. Sun]
- 'Microbe-based sensor for long term detection of urine glucose', *Sensors*, 22 (2022), 5340 [D. Li, Y. Shi, Y. Sun, Z. Wang, D.K. Kehoe, L. Romeral, F. Gao]
- 'Extraction, characterisation and remediation of microplastics from organic solid matrices', *Environmental Geotechnics* (2022), 34 [V.S.N.S. Goli, E.K. Paleologos, A. Farid, A.M.O. Mohamed, B.C. O'Kelly, A. Mohammad]
- 'The influence of drinking water constituents on the level of microplastic release from plastic kettles', *Journal of Hazardous Materials*, 425, 127997 (2022), <http://hdl.handle.net/2262/98027> [Y. Shi, D. Li, L. Xiao, E.D. Sheerin, D. Mullarkey, L. Yang]
- 'Real-world natural passivation phenomena can limit microplastic generation in water', *Chemical Engineering Journal*, 425 (2022), <http://hdl.handle.net/2262/98026> [Y. Shi, D. Li, L. Xiao, D. Mullarkey, Y.K. Gun'ko, I.V. Shvets]

CONNECT

- Narbudowicz, Adam, 'Non-contact radio frequency level sensor based on wheeler cap', *2023 IEEE international symposium on antennas and propagation*, Kuala Lumpur (2023), <http://hdl.handle.net/2262/104161> [P. Pratoomma, A. Zandamela, A. Narbudowicz, S. Chalermwisutkul]
- 'Small dual-band 3D beamforming MIMO antenna', *European microwave conference*, Berlin, IEEE (2023), <http://hdl.handle.net/2262/104163> [A. Zandamela, N. Marchetti, A. Narbudowicz]

Disability Service

- Doyle, Alison, 'Whose right(s) is it anyway? A review of policy and practice(s) in inclusive education in Ireland', *Education Policy in Ireland Since 1922* (2022), 305-340 [G. Scanlon, A. Doyle]

**Recent publications – Research Institutes and Centres
Trinity Access Programmes**

Ni Chorcóra, Ellis, 'Overcoming barriers to teaching 21C skills: the Bridge21 approach', *Irish Educational Studies* (2023), <https://doi.org/10.1080/03323315.2023.2270564> [B. Tangney, C. Girvan, E. Ní Chorcóra, A. Bray]

'Students' perceptions of pedagogy for 21st century learning instrument (S-POP-21): concept, validation, and initial results', *Thinking Skills and Creativity* (2023), 20 [A. Bray, C. Girvan, E. Ní Chorcóra]

Trinity Centre for Contemporary Irish History

Callan, Patrick, 'Reuben J. Dodd's 'Malicious falsehood': Ulysses on the BBC (1954-5)', *Dublin James Joyce Journal*, 11/12/13, 1 (2022), 1-26 [P. Callan]

Trinity College Institute of Neuroscience (TCIN)

Brennan, Kiva, 'Innovative vaccine approaches - a keystone symposia report', *Annals of the New York Academy of Sciences*, 1511, 1 (2022), 59-86 [J. Cable, R. Rappuoli, E.J. Klemm, G. Kang, S.A. Madhi, C.L. Karp]

'Cytosolic dsRNA improves neonatal innate immune responses to adjuvants in use in paediatric vaccines', *Journal of Leukocyte Biology* (2022), <http://hdl.handle.net/2262/98563> [K. Brennan, S. Craven, M. Cheung, D. Kane, E. Noone, J. O'Callaghan]

Grogan, John, 'L-DOPA increases slow-wave sleep duration and selectively modulates memory persistence in older adults', *Frontiers in Behavioral Neuroscience*, 17 (2023), 1096720 [H.K. Isotalus, W.J. Carr, J. Blackman, G.G. Averill George, J.P. Grogan, E.J. Coulthard]

'Confidence is predicted by pre- and post-choice decision signal dynamics', *Imaging Neuroscience* (2023), <http://hdl.handle.net/2262/103955> [J.P. Grogan, W. Rys, S.P. Kelly, R.G. O'Connell]

Kerskens, Christian, 'Reply to comment on: 'Experimental indications of non-classical brain function (2022 Journal of Physics Communications 6 105001)', *Journal of Physics Communications*, 7, 3 (2023), 038002 [C. Kerskens, D. López Pérez]

'Author correction: A consensus protocol for functional connectivity analysis in the rat brain', *Nature Neuroscience* (2023), <http://dx.doi.org/10.1038/s41593-023-01328-1> [J. Grandjean, G. Desrosiers-Gregoire, C. Anckaerts, D. Angeles-Valdez, F. Ayad, D.A. Barrière]

'Experimental indications of non-classical brain functions', *Journal of Physics Communications*, 6, 10 (2022), 105001 [C. Matthias Kerskens, D. López Pérez]

'A consensus protocol for functional connectivity analysis in the rat brain', *Nature Neuroscience* (2023), <http://dx.doi.org/10.1038/s41593-023-01286-8> [J. Grandjean, G. Desrosiers-Gregoire, C. Anckaerts, D. Angeles-Valdez, F. Ayad]

'Complexity analysis of heartbeat-related signals in brain MRI time series as a potential biomarker for ageing and cognitive performance', *The European Physical Journal - Special Topics*, 232, 1 (2023), 123-133 [D. López Pérez, A.L.W. Bokde, C. Kerskens]

Kinchin, Irina, 'Roadmap for change in sex and gender inequities in brain health: a global perspective', *International Journal of Geriatric Psychiatry*, 37, 5 (2022), <http://dx.doi.org/10.1002/gps.5710> [A. Brugulat-Serrat, Y. Chen, N. Demnitz, A. Ashour, E. Adrion, S. Ilinca, I. Kinchin]

'Cost-effectiveness of a community-based integrated care model compared with usual care for older adults with complex needs: a stepped-wedge cluster-randomised trial', *Integrated Healthcare Journal* (2022), <http://dx.doi.org/10.1136/ihj-2022-000137> [I. Kinchin, S. Kelley, E. Meshcheriakova, R. Viney, J. Mann, F. Thompson]

Recent publications – Research Institutes and Centres

'Lower workforce participation is associated with more severe persisting breathlessness', *BMC Pulmonary Medicine*, 22, 1 (2022), <http://dx.doi.org/10.1186/s12890-022-01861-y> [J. Clark, S. Chang, I. Kinchin, D. Ferreira, S. Kochovska, D. Morgan]

Trinity Long Room Hub

Palladino, Nicola, *The content governance dilemma, digital constitutionalism, social media and the search for a global standard*, First edition, Springer/Palgrave Macmillan (2023), <http://hdl.handle.net/2262/103839> [E. Celeste, N. Palladino, D. Redeker, K. Yilma]

'Discourse coalitions in internet governance: shaping global policy by narratives and definitions', *Internet diplomacy: shaping the global politics of cyberspace*, eds Rowman and Littlefield (2022), 61-84 [N. Palladino, M. Santaniello]

'Digital constitutionalism: in search of a content governance standard', *Constitutionalising social media*, eds Hart (2022), 261-287 [E. Celeste, N. Palladino, D. Redeker, K.M. Yilma]

'A 'biased' emerging governance regime for artificial intelligence? How AI ethics get skewed moving from principles to practices', *Telecommunications Policy* (2023), 1-20 [N. Palladino]

Patterson, Daniel, 'Autobiographical acts in seventeenth-century english petitioning', *Journal for Early Modern Cultural Studies*, 22, 1 (2022), 84-106 [M. Chadwick, D. Patterson, J. Malay]

Szita, Kata, 'Going to the movies in VR: virtual reality cinemas as alternatives to in-person co-viewing', *International Journal of Human-Computer Studies*, 181 (2024), 103150- [K. Szita, W. Moss-Wellington, X. Sun, E. Chng]

'Smartphone spectatorship in unenclosed environments: the physiological impacts of visual and sonic distraction during movie watching on mobile devices', *Entertainment computing (Elsevier)*, 48 (2024), 100598 [K. Szita, B. Rooney]

'Taking the unreal seriously: enriching cognitive science with the notion of fictionality', *Frontiers in Psychology*, 14 (2023), 1205891 [P. Gander, K. Szita, A. Falck, W. Hedley Thompson]

'Visual storytelling and narrative experiences in extended reality: guest editors introduction', *Presence: virtual and augmented reality*, MIT press, 30 (2023), 1-9 [K. Szita, C. Hung Lo]

'AR cinema: visual storytelling and embodied experiences with augmented reality filters and backgrounds', *Presence: virtual and augmented reality*, MIT Press (2023), <http://hdl.handle.net/2262/102458> [J. O'Meara, K. Szita]

Trinity Translational Medicine Institute (TTMI)

Finlay, Conor, 'IL-4-ever young: type 2 cytokine signaling in macrophages slows aging', *Immunity*, 57, 3 (2024), 403-406 [C.M. Finlay, J.E. Allen]

'Bcl6 is a subset-defining transcription factor of lymphoid tissue inducer-like ILC3', *Cell reports*, 42, 11 (2023), 113425 [R. Tachó-Piñot, C.T. Stamper, M.R. Hepworth]

'Human serous cavity macrophages and dendritic cells possess counterparts in the mouse with a distinct distribution between species', *Nature Immunology*, 25, 1 (2024), 155-165 [J. Han A. Gallerand, E.C. Erlich, N. Zhang, G.J. Randolph]

Leisching, Gina, 'Mitochondrial bioenergetic changes in systemic lupus erythematosus immune cell subsets: contributions to pathogenesis and clinical applications', *Lupus* (2023), 096120332311646 [A.S. Yennemadi, J. Keane, G. Leisching]

'Chronic IFN- treatment induces leukopoiesis, increased plasma succinate and immune cell metabolic rewiring', *Cellular immunology*, 390 (2023), 104741 [A.S. Yennemadi, G. Jameson, M. Glass, C. De Pasquale, J. Keane, G. Leisching]

Recent publications – Research Institutes and Centres

Library

- Boran, Elizabethann**, 'Science in Trinity College Dublin in the seventeenth century', *Collected wisdom of the early modern scholar*, eds G. Manning, A.M. Roos, Springer (2023), 101-131 [E. Boran]
- Eustace-Cook, Jessica**, 'Prevalence and incidence of cancer amongst adults with intellectual disability - a systematic review and meta-analysis protocol', *HRB open* (2024), <http://hdl.handle.net/2262/104872> [M. McMahon, A. Wormald, J. Eustace-Cook, M. McCarron P. McCallion, V. Smith]
- 'A scoping review of the unmet needs of patients diagnosed with idiopathic pulmonary fibrosis (IPF)', *PLoS ONE*, 19, 1 (2024), e0297832 [C. Bramhill, D. Langan, H. Mulryan, J. Eustace-Cook, A.M. Russell, A.M. Brady]
- 'Key interoperability factors for patient portals and electronic health records: a scoping review', *International Journal of Medical Informatics* (2024), 105335 [O. Fennelly, D. Moroney, M. Doyle, J. Eustace-Cook, M. Hughes]
- 'Youths with asthma and their experiences of self-management education: a systematic review of qualitative evidence', *Journal of Advanced Nursing*, 78, 12 (2022), 3987-4002 [K. McTague, G. Prizeman, S. Shelly, J. Eustace-Cook, E. McCann]
- 'Informal caregivers' experiences of transitioning during end-of-life care - a scoping review', *Journal of Advanced Nursing* (2023), <http://dx.doi.org/10.1111/jan.15942> [B. McCarthy, F. Timmins, J. Eustace-Cook, M. Connolly]
- 'Pharmacist prescribing in cancer services: a scoping review', *OSF* (2023), <https://doi.org/10.17605/OSF.IO/4DKMQ> [L. Johnson, S. Khattab, J. Strawbridge, C. Cadogan, J. Eustace-Cook, A.M. Brady]
- 'Critical illness survivors' experiences of attending an intensive care unit follow-up service: a systematic review protocol', *JBI Evidence Synthesis*, 21, 12 (2023), 2438-2455 [S. Delaney, J. Eustace-Cook, M. Ryberg, S. O'Donnell, G. Byrne]
- 'Exploration of the unmet needs of patients diagnosed with idiopathic pulmonary fibrosis: a scoping review protocol', *BMJ Open*, 13, 5 (2023), e070513 [C. Bramhill, D. Langan, H. Mulryan, J. Eustace-Cook, A.M. Russell, A.M. Brady]
- 'Stakeholders' perspectives and experiences of patient and public involvement (PPI) in clinical trials in maternal and neonatal healthcare: protocol for a qualitative evidence synthesis', *HRB Open Research*, 6 (2023), 30 [K. Hannon, J. Eustace-Cook, D. Daly, V. Smith]
- Hansen, Ann-Marie**, 'Trois modes de secret stratégique épistolaire dans l'échange autour des lettres choisies de Pierre Bayle (1714)', *Secrets et surveillance épistolaires dans l'Europe du dix-huitième siècle*, eds S. Drouin, S. Côté, Oxford University Press (2024), 61-77 [A.M. Hansen]
- 'Goldmines or minefields? Private libraries and their documentation (1665-1830)', *Private libraries and their documentation, 1665-1830*, eds R. Jagersma, H. Blom, E. Chaye, A.M. Hansen, Brill (2023), 1-17 [R. Jagersma, H. Blom, A.M. Hansen]
- Private libraries and their documentation, 1665-1830. Studying and interpreting sources*, eds eds R. Jagersma, H. Blom, E. Chaye, A.M. Hansen, Leiden, Brill (2023)
- Mockler, David**, 'Retention rates and reasons for non-retention in exercise oncology trials in the post-treatment phase - a systematic review', *Journal of Cancer Survivorship* (2024), [S. Hu, E. Guinan, D. Mockler, L. O'Neill]
- 'Effectiveness and cost-effectiveness of palliative care in natural experiments: a systematic review', *BMJ Supportive and Palliative Care* (2023), spcare-2022-003993 [J. Jiang, N. Kim, m.M. Garrido, M. Jacobson, D. Mockler, P. May]
- 'The nebulous association between cognitive impairment and falls in older adults: a systematic review of the literature', *International Journal of Environmental Research and Public Health*, 20, 3 (2023), 2628 [V. Leroy, V. Martinet, O. Nunkessore, C. Dentel, H. Durand, D. Mockler]

Recent publications – Research Institutes and Centres

- 'Factors influencing engagement in advance care planning in the community: a mixed-research synthesis', *European Journal of Public Health*, 33, Supplement_2 (2023), 10.1093/eurpub/ckad160.1011 [M. Pilch, V. Cooper Lunt, A. Hickey, S. Thomas, C. Hayes, B. Kaminiecki]
- 'Midlife hypertension is a risk factor for some, but not all, domains of cognitive decline in later life: a systematic review and meta-analysis', *Journal of Hypertension* (2023), 10.1097/hjh.0000000000003614 [O.C. Joyce, C. McHugh, D. Mockler, F. Wilson, Á.M. Kelly]
- 'The effect of surface compliance on overground running biomechanics. A systematic review and meta-analysis', *Sports Biomechanics/International Society of Biomechanics in Sports*, 21 (2023), 1-25 [C. Mitchell, S. McDonnell, K. Oganezova, D. Mockler, N. Fleming]
- 'Scoping review on physical health conditions in Irish Travellers (Mincéiri)', *BMJ Open*, 28, 13 (2023), <http://dx.doi.org/10.1136/bmjopen-2022-068876> [F. Kennedy A. Ward, D. Mockler, J. Villani, J. Broderick]
- 'Recruitment rates and strategies in exercise trials in cancer survivorship: a systematic review', *Journal of Cancer Survivorship* (2023), <https://doi.org/10.1007/s11764-023-01363-8> [S.A. Reynolds, L. O'Connor, A. McGee, A. Quinn Kilcoyne, A. Connolly, D. Mockler, E. Guinan]
- 'Symptomatic hypermobility in children and young people: a scoping review of clinical characteristics using a developmental framework', *Physiotherapy Practice and Research*, 43 (2022), DOI: 10.3233/PPR-220699 [S. Ward, E. MacDermott, J. Deane, J. Simmonds, D. Mockler, S. Dockrell]
- Nankivell, Joe**, 'Enkele bijzondere vondsten in de Fagelcollectie', *De Boekenwereld*, 39, 2 (2023), 76-79 [J. Nankivell]

Administrative, executive and other officers

- Dreyer-Gibney, Katrin**, 'Researching green process innovation across borders and boundaries through collaborative inquiry', *Journal of Applied Behavioral Science*, 59, 4 (2023), 556-584 [P. Coughlan, R. Bellini, A. Bello-Dambatta, P. Williams]
- Fleischmann, Isabel**, 'A scoping review of interventions and outcome measures in trials of dental behavior support', *Special Care in Dentistry* (2023), <http://dx.doi.org/10.1111/scd.12949> [C. Mac Giolla Phadraig, A.B. Ahmad Faisal, J. Bird, P.V. Kammer, I. Fleischmann, A. Geddis-Regan]
- 'Labels and descriptions of dental behaviour support techniques: a scoping review of clinical practice guidelines', *Community Dentistry and Oral Epidemiology*, 51, 6 (2023), 1065-1077 [C. MacGiolla Phadraig, P.V. Kammer, K. Asimakopoulou, J. Nunn]
- Johnston, Jonathan**, 'From students-as-partners theory to students-as-partners practice: reflecting on staff-student collaborative partnership in an academic development context', *All Ireland Journal of Higher Education*, 13, 1 (2022), 1-27 [J. Johnston, B. Ryan]
- 'ePortfolio to support professional development during experiential learning placements: guided by students-as-partners theory, enabled through students-as-partners practice', *International Journal of Students as Partners*, 7, 2 (2023), 165-180 [C. Roche, L. Abria, O. Farrell, J. Johnston, T. Penny Light, A. McKibben]
- 'Vibrant, open and accessible': students' visions of higher education futures', *Higher education for good: teaching and learning futures*, eds L. Czerniewicz, C. Cronin, Cambridge, UK, Open Book Publishers (2023), 335-352 [S. Flynn, J. Byrne, M. Devoy, J. Johnstone, K. Wright]
- 'Auf dem Weg zu einer postkolonialen Schweiz. Urs Widmers Auseinandersetzung mit Joseph Conrad', *Quarto: Zeitschrift des Schweizerischen Literaturarchivs*, 51 (2023), 82-89 [J. Johnston]
- McGoldrick, Niamh**, 'Current Chemistry Investigators (CCI): development and evaluation of a scientist in a classroom electrochemistry workshop', *Journal of Chemical Education*, 100, 10 (2023), 4138-4146 [J. O'Donoghue, N. Garcia Domenech, F. McArdle, M. Connolly, Y. Lang, N. McGoldrick]

Recent publications – Research Institutes and Centres

[O'Shaughnessy, Elizabeth](#), '30th annual GP2A medicinal chemistry conference', *Pharmaceuticals*, 24-26th August 2022, Trinity College Dublin, Ireland, ed N. O'Boyle, 16, 3 2023, 432