Recent Publications – Faculty of Science, Technology, Engineering and Mathematics

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

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School of Biochemistry and Immunology

BIOCHEMISTRY

**Creagh, Emma**, 'Identification of TLR2 signalling mechanisms which contribute to Barrett's and oesophageal adenocarcinoma disease progression', *Cancers (Basel)*, 13, 9 (2021), 2065-2081 [E. Flis, G. Barber, C. Nulty (…), M. Quante, E.M. Creagh]

**Cunningham, Colm**, 'The effect of baseline cognition and delirium on long-term cognitive impairment and mortality: a prospective population-based study', *The Lancet Healthy Longevity*, 3, 4 (2022), e232-e241 [A. Tsui, S.D. Searle, H. Bowden (…), A. MacLullich, D. Davis]

'The role of microglia in cerebral ischemia', *Neuron*, 110, 21 (2022), 3458-3483 [R.C. Paolicelli, A. Sierra, B. Stevens, M-E. Tremblay, L.J. Wu, T. Wyss-Coray]


'The circadian clock influences T cell responses to vaccination by regulating dendritic cell antigen processing', *Nature Communications*, 13, 1 (2022), 7217 [M.P. Cervantes-Silva, R.G. Carroll, M.M. Wilk (…), D.K. Finlay *et al.*]


'Structural basis of Qng1-mediated salvage of the micronutrient queuine from queuosine-5'-monophosphate as the biological substrate', *Nucleic Acids Research*, 51, 2 (2023), 935-951 [S.H. Hung, G.I. Elliott, T.R. Ramkumar (…), V.P. Kelly *et al.*]
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'Dual arginine recognition of LRRK2 phosphorylated Rab GTPases', *Biophysical Journal*, 120, 9 (2021), 1846-1855 [D. Waschbuesch, E. Purlyte, A.R. Khan]


'The trypanosome-derived metabolite indole-3-pyruvate inhibits prostaglandin production in macrophages by targeting COX2', *Journal of Immunology (Baltimore, Md.: 1950)*, 207, 10 (2021), 2551-2560 [C. Diskin, S.E. Corcoran, V.J. Tyrrell (...), D.P. Nolan, L.A.J. O'Neill]


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*Bowie, Andrew*, '*Klebsiella pneumoniae* hijacks the toll-IL-1R protein SARM1 in a type I IFN-dependent manner to antagonize host immunity', *Cell Reports*, 40, 6 (2022), 111167 [C. Feriotti, J. Sa-Pessoa, R. Calderon-Gonzalez (...), A.G. Bowie, J.A. Bengoechea]


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'Metabolites as drivers and targets in rheumatoid arthritis', *Clinical and Experimental Immunology* (2021), http://dx.doi.org/10.1093/cei/uxab021 [M.M. Hanlon, M. Canavan, B.E. Barker, U. Fearon]


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'2D nanosheets from fool's gold by LPE: high performance lithium-ion battery anodes made from stone', FlatChem, 30, 100295 (2021), http://hdl.handle.net/2262/98387 [H. Kaur, R. Tian, A. Roy, M. McCrystall, R. Smith, D.V. Horvath, V. Nicolosi, J.N. Coleman]

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'TEM and EELS characterization of Ni-Fe layered double hydroxide decompositions caused by electron beam irradiation', NPJ 2D Materials and Applications, 5, 1 (2021), http://dx.doi.org/10.1038/s41699-021-00212-5 [C. Hobbs, C. Downing, S. Jaskaniec, V. Nicolosi]


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Research students


Comments: The text appears to be a list of publications and research contributions by various authors. It includes a mix of studies on construction materials, environmental issues, and policy-related research. There are references to specific conferences and journals, indicating the breadth and depth of research output.
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**ELECTRONIC AND ELECTRICAL ENGINEERING**


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'Performance of Dorchadas for ensemble by international ensemble modern academy, Hochschule für Musik und Darstellende Kunst (HfMDK), Frankfurt, Germany' (2022) [A. Cleare]

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'The physics of fog, swirling for large ensemble and live electronics, performance by Musikfabrik, Berlin Philharmonie' (2021) [A. Cleare]

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