Report of President 2013/2014 - Conway Institute

Books

Professor Ronan O'Connell


Book Chapters

Professor Mohamed Al-Rubeai


Professor Patrick Guiry

**Professor Ulla Knaus**


**Professor Gil Lee**


**Professor Paul McLoughlin**


**Dr Peter O'Brien**


**Professor Ronan O'Connell**


**Dr Andrew Phillips**


**Professor Ron Pinhasi**


Pinhasi, R; Heyer, E (2014) 'Central Asia: Archaeology and genetics' In: Bellwood, P &
Professor Ciaran Regan


Books Edited

Professor Mohamed Al-Rubeai


Peer Reviewed Journals

Professor Mohamed Al-Rubeai


Kuystermans D., Avesh M., Al-Rubeai M. (2014) 'Online flow cytometry for monitoring apoptosis in mammalian cell cultures as an application for process analytical technology. Cytotechnology'.


**Professor Alan Baird**


**Dr John Andrew Baugh**


**Dr Orina Belton**


**Dr Oliver Blacque**


**Professor Billy Bourke**


**Professor David Brayden**


**Dr Lorraine Brennan**


Lindsay, K.L. and Heneghan, C. and McNulty, B. and Brennan, L. and McAuliffe, F.M.


based approach'. *BMC Bioinformatics*.


**Professor Geraldine Butler**


**Dr Gerard Cagney**


**Professor Sean Callanan**


**Dr Marguerite Clyne**


**Professor Mark Crowe**


Professor Michael Duffy


Professor Alexander Evans


**Dr Paul Evans**


**Dr Neil Ferguson**


**Professor Oliver Fitzgerald**


(7):1357-1365.


Professor William Gallagher


**Professor Declan Gerard Gilheany**


**Professor Catherine Godson**

Karen A Nolan, Ph.D; Eoin P Brennan, Ph.D; Carsten C Scholz, Ph.D; Cliodhna Cullen, B.Sc; Aidan Ryan, MB, Ph.D; Cormac T Taylor, Ph.D MRIA Catherine Godson PhD MRIA (2014) 'Paricalcitol protects against TGF-1 induced fibrotic responses in hypoxia and stabilises HIF- in renal epithelia'. Experimental Cell Research.

Fionnuala B. Hickey, James B. Corcoran, Brenda Griffin, Una Bhreathnach, Heather Mortiboy, Helen M. Reid, Darrell Andrews, Shane Byrne, Fiona Furlong, Finian Martin, Catherine Godson and Madeline Murphy (2014) 'IHG-1 INCREASES MITOCHONDRIAL FUSION AND BIOENERGETIC FUNCTION'. Diabetes.


Professor Stephen Gordon


Professor Patrick Guiry


Doran, R., Guiry, P. J. (2014) 'Asymmetric Synthesis of Both Enantiomers of a δ-

Haberlin, G.; McCarthy, C.; Doran, R., Guiry, P. J. (2014) 'Asymmetric Synthesis and Biological Evaluation of 1,3- and 1,4-disubstituted Benzo-type Lipoxin A4 Analogues'. *Tetrahedron*, 70 :6859-6869.

**Dr Chandralal Hewage**


**Professor Desmond Gerard Higgins**


**Dr Breandán Kennedy**


**Professor Boris Kholodenko**


**Professor Therese Kinsella**


**Professor Ulla Knaus**


**Professor Walter Kolch**


Shilo, A. and Hur, V.B. and Denichenko, P. and Stein, I. and Pikarsky, E. and Rauch, J.


Kolch, W., Kholodenko, B. (2013) 'Systems medicine: opportunities and challenges for
systems biology approaches'. *FEBS J*.


**Professor Carel Le Roux**


Taylor DR, Alaghband-Zadeh J, Cross GF, Omar S, le Roux CW, Vincent RP. (2014) 'Urine Bile Acids Relate to Glucose Control in Patients with Type 2 Diabetes Mellitus and a Body Mass Index Below 30 kg/m2'. *PLoS ONE*.


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**Professor Gil Lee**


**Professor Brendan Loftus**


**Professor David MacHugh**


Professor Jonathan Malthouse


**Professor Fionnuala McAuliffe**


Health Journal.


Dr Gethin McBean


Dr Amanda McCann


**Dr Margaret McGee**


**Professor Paul McLoughlin**


Lili Li, Katherine Howell, Michelle Sands, Mark Banahan, Stephen Frohlich, Simon C Rowan, Roisin Neary, Donal Ryan, Paul McLoughlin (2013) 'The α and Δ isoforms of CREB1 are required to maintain normal pulmonary vascular resistance'. *PLoS ONE*, 8 (12).

**Dr Hilary McMahon**


**Dr Tara McMorrow**


**Professor Walter McNicholas**


Professor Wim Meijer

Whittingham, JL; Blagova, EV; Finn, CE; Luo, H; Miranda-CasoLuengo, R; Turkenburg, JP; Leech, AP; Walton, PH; Murzin, AG; Meijer, WG; Wilkinson, AJ (2014) 'Structure of the virulence-associated protein VapD from the intracellular pathogen Rhodococcus equi'. Acta Crystallographica Section D-Biological Crystallography, 70 :2139-2151.

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Dr Anika Mostaert


Professor Grace V T Mulcahy


Dr Keith Murphy


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Dr Peter O'Brien


M Domingos, AM Davies, PJ O'Brien (2014) 'Application of High-Content Analysis in Clinical Cytology for Translational Safety Biomarkers of Drug-Induced Toxicity for
Lymphoma Chemotherapy’. Basic and Clinical Pharmacology and Toxicology.
S Papakonstantinou, PJ O'Brien (2014) 'High Content Imaging for the Morphometric Diagnosis and Immunophenotypic Prognosis of Canine Lymphomas'. Cytometry Part B-Clinical Cytometry.

Dr Eoin O'Cearbhaill


Professor Ronan O'Connell

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Dr Darran O'Connor


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**Dr John O'Connor**


**Professor Kevin O'Connor**


**Professor Stefan Oscarson**


**Dr Francesca Paradisi**


Streciwilk, W; Cassidy, J; Hackenberg, F; Müller-Bunz, H; Paradisi, F; Tacke, M (2014)'Synthesis, cytotoxic and antibacterial studies of p-benzyl-substituted NHC-silver(I) acetate compounds derived from 4,5-di-p-diisopropylphenyl- or 4,5-di-p-chlorophenyl-1H-imidazole'. *Journal of Organometallic Chemistry*, 749:88-99.

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**Dr Andrew Phillips**


**Professor Ron Pinhasi**

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Martiniano, R; Coelho, C; Ferreira, MT; Neves, MJ; Pinhasi, R; Bradley, DG (2014)'Genetic Evidence of African Slavery at the Beginning of the Trans-Atlantic Slave Trade'. *Scientific Reports*.

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**Professor Ciaran Regan**


**Professor Helen Roche**


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**Dr Brian Rodriguez**


Yvonne Lang, Francisco del Monte, Brian J. Rodriguez, Peter Dockery, David P. Finn, & Abhay Pandit (2013) 'Integration of TiO2 into the diatom Thalassiosira weissflogii during frustule synthesis'. *Scientific Reports*, 3 .

Yvonne Lang, Francisco del Monte, Liam Collins, Brian J. Rodriguez, Kerry Thompson, Peter Dockery, David P. Finn and Abhay Pandit (2013) 'Functionalization of the living diatom Thalassiosira weissflogii with thiol moieties'. *Nature Communications*, 4 .


**Professor Denis Shields**


Khaldi N, Vijayakumar V, Dallas DC, Guerrero A, Wickramasinghe S, Smilowitz JT,
Medrano JF, Lebrilla CB, Shields DC, German JB (2014) 'Predicting the important enzymes in human breast milk digestion'. FOOD CHEM, 62 (29):7225-7232.


**Professor Jeremy Simpson**


**Dr Albert Smolenski**

**Dr Matthias Tacke**

**Professor Cormac Taylor**

**Professor Emma C Teeling**
case study with Rhinolophus mehelyi'. *PLoS ONE*, 9 (7).


S. Mahony, E.C. Teeling, S.D. Biju (2013) 'Three new species of horned frogs, Megophrys (Amphibia: Megophryidae), from northeast India, with a resolution to the identity of Megophrys boettgeri populations reported from the region'. *Zootaxa* .

**Dr Douglas Veale**


**Professor Bill Watson**


**Professor Gerry Wilson**


Dr Xiangming Zhu


Professor Mohamed Al-Rubeai


Professor Bill Watson


Conference Publications

**Professor Mohamed Al-Rubeai**


**Professor David Brayden**


McCarnney, F., Rosa, M., Coulter, I.C. & Brayden, D. J. (2013) A sucrose ester is a novel permeation enhancer using isolated rat intestinal mucosa mounted in Ussing chambers *AAPS*, Abstract AM-13-

**Professor Mark Crowe**


**Professor Alexander Evans**


Cows

47th Annual meeting of Society for the Study of Reproduction,
EJ Williams, RA Law, HS Gilmore, CP Ferris, IM Sheldon, MG Diskin, SW Walsh, P Lonergan, MA Crowe, JF Roche, ACO Evans (2013) Uterine infection exacerbates liver dysfunction during the early postpartum period in dairy cows European Buiatrics Forum,
ACO Evans (2013) Developmental programming in cattle and sheep: offspring phenotypes EPICONCEPT Workshop: Epigenetics for improved food production: from model to practice,
AE Zielak-Steciwko, JA Browne, PA McGettigan, M Gajewska, T Szulc, ACO Evans (2013) European Society for Domestic Animals Annual Meeting Expression and possible role of hsa-miR-582-5p/bta-miR-582 microRNA in granulosa cells of bovine ovarian follicles,
LHC Hobbs, S Hogan, M Folan, A Baird, R Miranda-CasoLuengo, WG Meijer, S Carrington, ACO Evans, EJ Williams (2013) Peripartum modulation of the microflora of the bovine reproductive tract European Society for Domestic Animal Reproduction,

Dr Paul Evans

Cleary, J., Doherty, W., Evans, P. and Malthouse, J.P.G (2014) Observing Low Barrier Hydrogen Bonds by 1H-NMR in Chymotrypsin Gordon Research conference on Proteolytic Enzymes & Their Inhibitors,
Professor Jonathan Malthouse

Cleary, J., Doherty, W., Evans, P. and Malthouse, J.P.G (2014) Observing Low Barrier Hydrogen Bonds by 1H-NMR in Chymotrypsin Gordon Research conference on Proteolytic Enzymes & Their Inhibitors,
Malthouse, J.P.G., Howe, N., Petrillo, L., O'Donohoe, C. and Cleary, J (2014) Quantifying the potency of inhibitor warheads with serine and cysteine proteases Gordon Research conference on Proteolytic Enzymes & Their Inhibitors,
Petrillo, T. and Malthouse, JPG. (2013) Determination of the effective molarity of the active site serine in α-chymotrypsin The 2nd Irish NMR Meeting, Trinity Biomedical Sciences Institute, Trinity College Dublin,

Professor Grace V T Mulcahy


Dr John O'Connor


Irish Journal of Medical Sciences Volume 183, 2013

Dr Albert Smolenski


Published Reports

Professor Mohamed Al-Rubeai


Other Publications

Professor Mohamed Al-Rubeai


Professor William Gallagher