

Report of the President 2010/2011-Conway Institute

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Book Chapters

[Professor William Gallagher](#)

Collins, B. C., Lau, T. Y. K., Pennington, S. R., and Gallagher, W. M. (2011) 'Differential proteomics incorporating iTRAQ labelling and multi-dimensional separations' In: Jean-Charles Gautier (eds). *Methods in Molecular Biology - Drug Safety*

Evaluation. N/A: Humana Press.

Cooney, H. C. M. and Gallagher, W. M. (2011) 'Fibulins and their role in the ECM' In: Margareta M. Mueller and Norbert E. Fusenig (eds). *Tumour-Associated Fibroblasts and Their Matrix: Tumor Stroma*. Unknown: Springer Science+Business Media B. V.

Lau, T. Y. K., Collins, B. C., Stone, P., Tang, N., Gallagher, W. M., and Pennington, S. R. (2011) 'Absolute quantification of toxicological biomarkers via multiple reaction monitoring' In: Gautier, J.-C (eds). *Methods in Molecular Medicine - Drug Safety*

Evaluation. New York: Humana Press.

[Professor Declan Gerard Gilheany](#)

Rachel M. Hiney, Arne Ficks, Helge Müller-Bunz, Declan G. Gilheany and Lee J. Higham (2011) 'Air-stable chiral primary phosphines part (i) synthesis, stability and applications' In: Ian J S Fairlamb, Jason M Lynam (eds). *Organometallic Chemistry*

Volume 37. Cambridge: Royal Society of Chemistry.

[Professor Catherine Godson](#)

Serhan, CN and Godson, C (2010) 'pp 69-92' In: *Lipid Mediators of Regeneration In: Regenerative Nephrology*. Elsevier Academic Press: Elsevier Academic Press.

[Professor Wim Meijer](#)

Prescott, J.F., W.G. Meijer, J.A. Vazquez-Boland (2010) '*Rhodococcus*' In: C.L. Gyles, J.F. Prescott, J.G. Songer, C.O. Thoen (eds). *Pathogenesis of bacterial infections of animals*. Ames, IA: Wiley-Blackwell Publishing.

[Dr Matthias Tacke](#)

M. Hogan, M. Tacke (2010) 'Titanocenes - Cytotoxic and Anti-Angiogenic

Chemotherapy Against Advanced Renal-Cell Cancer' In: G. Jaouen, N. Metzler-Nolte (eds). *Topics in Organometallic Chemistry, Volume 32: Medicinal Organometallic Chemistry*. Heidelberg: Springer.

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Books Edited

[Professor Helen Roche](#)

Susan A Lanham-New, Ian A Macdonald, Helen M Roche (Ed.). (2011) *Nutrition and Metabolism*. United Kingdom: John Wiley & Sons Ltd.

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Peer Reviewed Journals

[Professor Alan Baird](#)

Medani M, Collins D, Docherty NG, Baird AW, O'Connell PR, Winter DC (2011) 'Emerging role of hydrogen sulfide in colonic physiology and pathophysiology'. *Inflammatory bowel diseases*, 17 (7):1620-1625.

Walsh EG, Maher S, Devocelle M, O'Brien PJ, Baird AW, Brayden DJ (2011) 'High content analysis to determine cytotoxicity of the antimicrobial peptide, melittin and selected structural analogs'. *Peptides*, 32 (9):1764-1773.

Rogers AC, Hanly AM, Collins D, Baird AW, Winter DC (2011) 'Review Article: Loss of the Calcium-Sensing Receptor in Colonic Epithelium is a Key Event in the Pathogenesis of Colon Cancer'. *Cancer* .

Collins, D., Walpole, C., Ryan, E., Winter, D., Baird, A. and Stewart, G. (2011) 'UT-B1 mediates transepithelial urea flux in the rat gastrointestinal tract'. *Journal of Membrane Biology*, 239 (3):123-130.

Collins, D, Walpole, C, Ryan, E, Winter, D, Baird, A, Stewart, G (2011) 'UT-B1 Mediates Transepithelial Urea Flux in the Rat Gastrointestinal Tract'. *Journal of Membrane Biology*, 239 :123-130.

Walsh, EG, Maher, S, Devocelle, M, O'Brien, PJ, Baird, AW, Brayden, DJ (2011) 'High content analysis to determine cytotoxicity of the antimicrobial peptide, melittin and selected structural analogs'. *Peptides*, 32 :1764-1773.

Morrissey NK, Bellenger CR, Ryan MT, Baird AW (2010) 'Cyclooxygenase-2 mRNA expression in equine nonglandular and glandular gastric mucosal biopsy specimens obtained before and after induction of gastric ulceration via intermittent feed deprivation'. *Veterinary Research*, 71 (11):1312-1320.

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[Dr John Andrew Baugh](#)

Collier, P, Watson, CJ, Voon, V, Phelan, D, Jan, A, Mak, G, Martos, R, Baugh, JA, Ledwidge, MT, McDonald, KM (2011) 'Can emerging biomarkers of myocardial remodelling identify asymptomatic hypertensive patients at risk for diastolic dysfunction and diastolic heart failure?'. *European Journal of Heart Failure*, 13 :1087-1095.

Watson, CJ, Ledwidge, MT, Phelan, D, Collier, P, Byrne, JC, Dunn, MJ, McDonald, KM, Baugh, JA (2011) 'Proteomic Analysis of Coronary Sinus Serum Reveals Leucine-

Rich alpha 2-Glycoprotein as a Novel Biomarker of Ventricular Dysfunction and Heart Failure'. *Heart*, 4 :188-126.

[Dr Oliver Blacque](#)

Williams CL, Li C, Kida K, Inglis PN, Mohan S, Semene L, Bialas NJ, Stupay RM, Chen N, Blacque OE*, Yoder BK*, Leroux MR* *co-corresponding (2011) 'MKS and NPHP modules cooperate to establish basal body/transition zone membrane associations and ciliary gate function during ciliogenesis'. *Journal of Cell Biology*, 192 (6):1023-1041.

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Jensen VL, Bialas NJ, Bishop-Hurley SL, Molday LL, Kida K, Nguyen PA, Blacque OE, Molday RS, Leroux MR, Riddle DL (2010) 'Localization of a guanylyl cyclase to chemosensory cilia requires the novel ciliary MYND domain protein DAF-25'. *PLoS Genetics*, 6 (11).

[Professor Billy Bourke](#)

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Rowland M, Gallagher CG, O'Laoide R, Canny G, Broderick A, Hayes R, Greally P, Slattery D, Daly L, Durie P, Bourke B. (2011) 'Outcome in cystic fibrosis liver disease'. *American Journal of Gastroenterology*, 106 :104-109.

[Professor David Brayden](#)

Rawlinson LA, O'Gara JP, Jones DS, Brayden DJ (2011) 'Resistance of *Staphylococcus aureus* to the cationic antimicrobial agent poly(2-(dimethylamino ethyl)methacrylate) (pDMAEMA) is influenced by cell-surface charge and hydrophobicity'. *Journal of Medical Microbiology*, 60 (Pt 7):968-976.

Walsh EG, Maher S, Devocelle M, O'Brien PJ, Baird AW, Brayden DJ (2011) 'High content analysis to determine cytotoxicity of the antimicrobial peptide, melittin and selected structural analogs'. *Peptides*, 32 (9):1764-1773.

Ryan SM, Frías JM, Wang X, Sayers CT, Haddleton DM, Brayden DJ (2011) 'PK/PD modelling of comb-shaped PEGylated salmon calcitonin conjugates of differing molecular weights'. *Journal of Controlled Release*, 149 (2):126-132.

[Dr Lorraine Brennan](#)

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O'Sullivan A, Gibney MJ, Brennan L (2011) 'Dietary intake patterns are reflected in metabolomic profiles: potential role in dietary assessment studies'. *Clinical Nutrition*, 93 (2):314-321.

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Fan, Y., Murphy, T.B., Byrne, J., Brennan, L., Fitzpatrick, J. and Watson, R.W.G. (2011) 'Applying Random Forests to identify biomarker panels in serum 2D-DIGE data for the detection and staging of prostate cancer'. *Journal of Proteome Research*, 10 (3):1361-1373.

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[Professor Geraldine Butler](#)

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[Dr Gerard Cagney](#)

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[Professor Sean Callanan](#)

Jahns H, Callanan JJ, McElroy MC, Sammin DJ, Bassett HF (2011) 'Post-mortem findings in Irish culled hounds'. *Journal of comparative pathology*, 145 (1):59-67.

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[Dr John Crean](#)

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[Professor Mark Crowe](#)

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[Dr Seamas Donnelly](#)

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[Professor Michael Duffy](#)

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[Dr Giuliano Elia](#)

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[Professor Johan Ericsson](#)

Bengoechea-Alonso MT, Ericsson J. (2010) 'Tumor suppressor Fbxw7 regulates TGF β signaling by targeting TGIF1 for degradation'. *Oncogene* .

[Professor Alexander Evans](#)

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[Dr Neil Ferguson](#)

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[Professor Oliver Fitzgerald](#)

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[Professor William Gallagher](#)

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