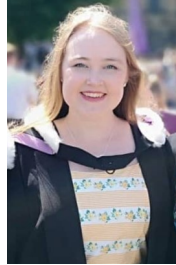


Newsletter

Edition 21 December 2019

Congratulations

Well done to Evie Garlick, COMPARE PhD student with Steve Thomas, Steve Briddon and Rob Neely. Evie was selected to give talks at two meetings. Evie will be presenting her work on "Investigating the role of actin in the membrane organisation of the adenosine-A2B receptor using single molecule imaging" at the Actin 2019 meeting in Bristol on the 13th December and the BPS Pharmacology 2019 meeting in Edinburgh just 2 days later!



Highly Cited Researchers 2019

Two academics from COMPARE have been named as Highly Cited Researchers, according to the Highly Cited Researchers 2019 list from the Web of Science Group.

The highly anticipated list identifies scientists and social scientists who produced multiple papers ranking in the top 1 per cent by citations for their field and year of publication, demonstrating significant research influence among their peers. The methodology that determines the who's who of influential researchers draws on the data and analysis performed by bibliometric experts from the Institute for Scientific Information at the Web of Science Group.

Dr Leigh Stoddart, Senior Research Fellow and **Dr Nicholas Holliday**, Associate Professor of Pharmacology in the School of Life Sciences, University of Nottingham, are both named alongside 12 other Researchers from the Universities of Birmingham and Nottingham. The full list can be found at <https://recognition.webofsciencegroup.com/awards/highly-cited/2019/>.

Congratulations to Abdullah Khan, a BHF Post-doc Researcher in the Birmingham Platelet Group. Abs has been awarded a **Sir Henry Wellcome Postdoctoral Fellowship**. Abs' project will focus on 'Engineering a novel human bone marrow organoid to target myelofibrosis'



Key Dates

Dual PhD Student Presentations
Wednesday 26th February 2020
C2505, Medical School, Nottingham

COMPARE Annual Research Symposium
24th September 2020
Edgbaston Park Hotel, Birmingham

External Conferences

QBI 2020 Conference 2020
6-9th January 2020
University of Oxford
<https://www.quantitativebioimaging.com/qbi2020/>

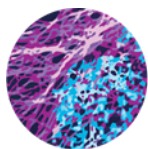
birmingham-nottingham.ac.uk/compare



Follow us on Twitter
[@compare_uobun](https://twitter.com/compare_uobun)
[@uobunpartners](https://twitter.com/uobunpartners)

If you have any items for the next newsletter please send to:

compare@birmingham-nottingham.ac.uk



Trends Special Edition

“Studying GPCR Pharmacology in Membrane Microdomains: Fluorescence Correlation Spectroscopy Comes of Age, Briddon SJ, Kilpatrick LE, Hill SJ”, ([https://www.cell.com/trends/pharmacological-sciences/fulltext/S0165-6147\(17\)30221-3](https://www.cell.com/trends/pharmacological-sciences/fulltext/S0165-6147(17)30221-3)), has been selected from Trends in Pharmacological Sciences to be a part of the most recent special collection on imaging! The editors from the Trends portfolio look to compile special collections of reviews on interesting and timely topics.

The special collection featuring the COMPARE paper is now online here: <https://www.sciencedirect.com/journal/trends-in-biotechnology/special-issue/1073F2DDTG5>

Publications

Cooper SL, March J, Sabbatini AR, Hill SJ, Jörg M, Scammells PJ, Woolard J, (2019). The effect of two selective A1 -receptor agonists and the bitopic ligand VCP746 on heart rate and regional vascular conductance in conscious rats. *Br J Pharmacol*. doi: 10.1111/bph.14870. [Epub ahead of print]

Dunster JL, Unsworth AJ, Bye AP, Haining EJ, Sowa MA, Di Y, Sage T, Pallini C, Pike JA, Hardy AT, Nieswandt B, García Á, Watson SP, Poulter NS, Gibbins JM, Pollitt AY, (2019). Interspecies differences in protein expression do not impact the spatiotemporal regulation of GPVI mediated activation. *J Thromb Haemost*. doi: 10.1111/jth.14673. [Epub ahead of print]

Dunster JL, Unsworth AJ, Bye AP, Haining EJ, Sowa MA, Di Y, Sage T, Pallini C, Pike JA, Hardy AT, Nieswandt B, García Á, Watson SP, Poulter NS, Gibbins JM, Pollitt AY, (2019). Interspecies differences in protein expression do not impact the spatiotemporal regulation of GPVI mediated activation. *J Thromb Haemost*. doi: 10.1111/jth.14673. [Epub ahead of print]

Gentsch C, Seier K, Drakopoulos A, Jobin ML, Lanoiselée Y, Koszegi Z, Maurel D, Sounier R, Hübner H, Gmeiner P, Granier S, Calebiro D, Decker M, (2019). Selective and Wash-Resistant Fluorescent Dihydrocodeinone-Derivatives Allow Single-Molecule Imaging of mu-Opioid Receptor Dimerisation. *Angew Chem Int Ed Engl*. doi: 10.1002/anie.201912683. [Epub ahead of print]

Grimes J, Desai S, Charter NW, Lodge J, Moita Santos R, Isidro-Llobet A, Mason AM, Wu Z, Wolfe LA 3rd, Anantharaman L, Green A, Bridges AM, Dalmas Wilk DA, Brown AJ, (2019). MrgX2 is a promiscuous receptor for basic peptides causing mast cell pseudo-allergic and anaphylactoid reactions. *Pharmacol Res Perspect*. doi: 10.1002/prp2.547.

Khan AO, White CW, Pike JA6, Yule J, Slater A, Hill SJ, Poulter NS, Thomas SG, Morgan NV, (2019). Optimised insert design for improved single-molecule imaging and quantification through CRISPR-Cas9 mediated knock-in. *Sci Rep*. 9: 14219.

Pike JA, Khan AO, Pallini C, Thomas SG, Mund M, Ries J, Poulter NS, Styles IB, (2018). Topological data analysis quantifies biological nano-structure from single molecule localization microscopy. *Bioinformatics*, btz788, <https://doi.org/10.1093/bioinformatics/btz788>

Sayers SR, Beavil RL, Fine NHF, Huang GC, Choudhary P, Pacholarz KJ, Barran PE, Butterworth S, Mills CE, Cruickshank JK, Silvestre MP, Poppitt SD, McGill AT, Lavery GG, Hodson DJ, Caton PW, (2019). Structure-functional changes in eNAMPT at high concentrations mediate mouse and human beta cell dysfunction in type 2 diabetes, (2019). *Diabetologia*. doi: 10.1007/s00125-019-05029-y. [Epub ahead of print]

Shannon MJ, Pineau J, Griffié J, Aaron J, Peel T, Williamson DJ, Zamoyska R, Cope AP, Cornish GH, Owen DM, (2019). Differential nanoscale organisation of LFA-1 modulates T-cell migration. *J Cell Sci*. 133. doi: 10.1242/jcs.232991

Soave M, Kellam B, Woolard J, Briddon SJ, Hill SJ, (2019). NanoBiT Complementation to Monitor Agonist-Induced Adenosine A1 Receptor Internalization. *SLAS Discov*. 2019 Oct 4:2472555219880475. doi: 10.1177/2472555219880475. [Epub ahead of print]

Sykes DA, Jain P, Charlton SJ, (2019). Investigating the Influence of Tracer Kinetics on Competition-Kinetic Association Binding Assays: Identifying the Optimal Conditions for Assessing the Kinetics of Low-Affinity Compounds. *Mol Pharmacol*. 96:378-392