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Name:	Stephen Timothy Safrany
Title:	Professor
Start date with RCSI Bahrain:	11/1/2015
Department:	Medicine
Specialty:	Pharmacology

Third Level Education / Academic Awards:

Date Awarded	Awarding Institution:	Qualification Title:
7/16/1993	University of Leicester Medical School, UK	PhD
12/1/1988	Loughborough University of Technology	BSc (Hons) DIS

Professional Qualifications:

Date Awarded	Awarding Institution:	Qualification Title:
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Previous Academic Positions:

Date (To - From):	Institution:	Position:
8/1/2012 To 10/31/2015	University of Wolverhampton, UK	Reader
2/1/2009 To 7/31/2012	University of Wolverhampton, UK	Senior Lecturer
1/1/2005 To 1/31/2009	University of Bath, UK	Lecturer
10/1/1999 To 12/31/2005	University of Dundee, UK	Lecturer
10/1/1994 To 9/30/1999	NIEHS, NIH, USA	Visiting Fellow
4/1/1993 To 9/30/1994	University of Leicester Medical School, UK	Research Associate



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Teaching Experience:

11/15-present: Preparation and presentation of lectures to junior cycle MBBCh Medical students and BSc Nursing students. Supervision of PhD student and summer research projects. **02/09-10/15:** Award leader, B.Sc. (Hons) Pharmacology degree. Admissions tutor and team member. Module leader: Pharmacology and Toxicology (Level 4), Experimental Pharmacology (Level 5), Biochemical Pharmacology (level 6), Current Advances in Pharmacology (level 6), Molecular Pharmacology (Level 7). Preparation and presentation of undergraduate and postgraduate lectures. Tutoring of undergraduate and postgraduate students. Organisation and running of undergraduate laboratory practicals, projects and tutorials. Researcher and PhD student supervisor. Medical Oncology Trainee PhD supervisor (2012-2015). Prepare staff timetabling and workload allocation for School of Pharmacy. Co-ordinate room bookings for all teaching. **01/05-01/09:** Module leader, Cellular and Molecular Therapeutics (Level 5). Facilitation of student-led learning units (Levels 4 and 5). Preparation and presentation of undergraduate lectures. Tutoring of undergraduate students. Organisation and running of undergraduate laboratory practicals, projects, workshops and tutorials. Researcher and PhD student supervisor. **10/99-12/04:** Preparation and presentation of undergraduate lectures. Supervision of undergraduate and postgraduate students and postdoctoral research assistants. Research team leader.

Completed Initial Teaching Development Programme “Learning and Teaching in Higher Education” (2007).

HEA Number 0511090079260

Current Research and Scholarly Activities:

\$250,000 (US)	2016-2021	Dilmun Scholar Programme, Bahrain/Ireland (with LS Young). <i>Understanding the role of the sigma-1 receptor.</i>
\$22,463 (US)	2016-2017	AGU/RCSI Research Project Grant (with E Rajab and A Kamal) <i>Sigma-1 receptors – a novel target in the treatment of type 2 diabetes</i>
\$21,222 (US)	2016-2017	RCSI Research Project Grant <i>Novel targets in cancer research – inositol diphosphates (IDPs) and sigma receptors as novel targets for cancer therapy.</i>
£18,095	2016-2017	AB Vista, UK. <i>Measurement of inositol phosphates in tissue extracts.</i>

Summary of Publication History: (Last 10 years only)

Publication Details:	Journal Impact Factor:
Safrany, S.T. and J.M. Brimson (2016) Are fluoxetine’s effects due to sigma-1 receptor agonism? <i>Pharmacol. Res.</i> 113(Pt A):707-708	4.816
Guscott, B., Z. Balklava, S.T. Safrany, T. Wassmer (2016) Development of a cell-permeable tool for analysing the function of the APP intracellular domain and manipulation of PIKfyve activity. <i>Bioscience reports</i> , Apr 15;36(2)	2.446
Padmanabhan, U., R.S. Kilari, L.J. Winward and S.T. Safrany (2016) Inositol diphosphates: an expanding repertoire of functions and regulation in “Phytate destruction - consequences for precision animal nutrition” (Eds. C.L. Walk, I. Kühn, H.H. Stein, M.T. Kidd and M. Rodehutschord) Wageningen Academic Publishers pp 61-86.	Book Chapter
Kilari, R.S., J.D. Weaver, S.B. Shears, S.T. Safrany (2013) First complete kinetic characterisation of the yeast and human diphosphoinositol polyphosphate phosphohydrolases (DIPPs). <i>FEBS Lett.</i> 587: 3464-3470	3.519
Grint, T., A.M. Riley, S.J. Mills, B.V.L. Potter, S.T. Safrany (2012) Fibrinogen – a possible extracellular target for inositol phosphates. <i>Messenger</i> 1: 160-166	-
Brimson, J.M., C.A. Brown, S.T. Safrany (2011) Antagonists show GTP-sensitive high-affinity binding to the sigma-1 receptor. <i>Brit. J. Pharmacol.</i> 164: 772-780	5.259
Winward, L., W.G.F. Whitfield, A.G. McLennan and S.T. Safrany (2010) Oxidation of the diphosphoinositol	3.905



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polyphosphate phosphohydrolase-like Nudix hydrolase Aps from <i>Drosophila melanogaster</i> induces thermolability - A possible regulatory switch? <i>Int. J. Biochem. Cell Biol.</i> 42: 1174-1181	
Mills, S.J., F. Vandeput, M.N. Trusselle, S.T. Safrany, C. Erneux and B.V.L. Potter (2008) Benzene Polyphosphates as Tools for Cell Signalling: Interaction with the PH Domain of Protein Kinase B α and Inhibition of Inositol 1,4,5-Trisphosphate 5-Phosphatase. <i>ChemBioChem.</i> 9: 1757-1766	2.850
Mills, S.J., D. Komander, M.N. Trusselle, S.T. Safrany, D.M.F. van Aalten and B.V.L. Potter (2007) Novel inositol phospholipid headgroup surrogate crystallized in the PH domain of Protein Kinase B α . <i>ACS Chem. Biol.</i> 2: 242-246	5.090
Ross, S.H., Y. Lindsay, S.T. Safrany, O. Lorenzo, F. Villa, R. Toth, M.J. Clague, C.P. Downes and N.R. Leslie (2007) Differential redox regulation within the PTP superfamily. <i>Cell. Signal.</i> 19: 1521-1530	4.191
Winward, L., W.G.F. Whitfield, T.J. Woodman, A.G. McLennan and S.T. Safrany (2007) Characterisation of a bis(5'-nucleosyl)-tetrakisphosphate (asymmetrical) from <i>Drosophila melanogaster</i> . <i>Int. J. Biochem. Cell. Biol.</i> 39: 943-954	3.905

Recent Presentations:

Invited speaker at International Phytase Summit, Miami, November 2016 "Inositol diphosphates: an expanding repertoire of functions and regulation"
Bashir, A.I.J., S. Jones, C.J. Perry, S.T. Safrany and I.D. Nicholl (2016) Perturbation of epidermal growth factor (EGF) receptor internalization by novel aspirin analogues in SW480 cells. AACR 2016, New Orleans, USA (poster)
Abbas, H., J.M. Brimson, D.R. Ferry, S.T. Safrany (2015) Effects of novel sigma-2 receptor ligands on MCF-7 cell proliferation. NCRI Conference, Liverpool, November 2015 (poster)
Bashir, A.I.J., C.J. Perry, I.D. Nicholl, S.T. Safrany (2015) The effects of novel aspirin analogues on different phosphorylation sites of the epithelial growth factor (EGF) receptor in SW480 cells. NCRI Conference, Liverpool, November 2015 (poster)
Abbas, H., J.M. Brimson, D.R. Ferry, S.T. Safrany (2014) Sigma receptor content in a range of cancer cell lines. Pharmacology 2014, London (poster)
Kilari, R.S., C.J. Perry, A. Devitt, S.T. Safrany, I.D. Nicholl (2014) Effects of aspirin analogues on oesophageal cancer. AACR 2014, San Diego, USA (poster)
Kilari, R.S., C.J. Perry, I.D. Nicholl, S.T. Safrany (2013) Effects of aspirin analogues on oesophageal cancer. 2013 NCRI Cancer Conference, Liverpool (poster)
Kilari, R.S., C.J. Perry, S.T. Safrany, I.D. Nicholl (2013) Effects of aspirin analogues on oesophageal cancer. Signalling 2013, University of York (poster)
Kilari, R.S., J.D. Weaver, S.B. Shears, S.T. Safrany (2013) First complete kinetic characterisation of the yeast and human diphosphoinositol polyphosphate phosphohydrolases (DIPPs). Signalling 2013, University of York (poster)
Brimson, J.M., C.A. Brown, and S.T. Safrany (2010) Antagonists Show GTP-Sensitive High-Affinity Binding To The Sigma-1 Receptor. Proceedings of the British Pharmacological Society at http://www.pA2online.org/abstracts/Vol8Issue1abst086P.pdf (poster)
Padmanabhan, U., A.J. Cosgrove, C.P. Downes, A.D. Donaldson, and S.T. Safrany (2006) Role of inositol diphosphates in repair of bleomycin-induced DNA damage. The cell biology of inositol lipids and phosphates. Birmingham, UK (poster)
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Consultancy and other Relevant Activities:



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Supervisor of 4 PhD students (successful completion within 4 years). Three further students (years 1, 3 and 4 of PhDs) underway. Internal and external examiner of PhD and MPhil students. Chaired several PhD exams. Ad hoc reviewer for international journals and grant giving bodies.

Society memberships:

Biochemical Society. Ordinary member (1994-present).

British Pharmacological Society. Ordinary member (1994-present).

Co-chair of Molecular and Cellular Pharmacology affinity group.

American Association for Cancer Research. Ordinary member (2015-present).