

Summer Vacation Studentships 2017 winners

Supervisor		Student	Student Institution	Supervisor Institution	Project Title
Dr	Anna Barnard	Ryan Whatling	Imperial College London	Imperial College London	Novel alpha-helix Mimetic Scaffolds for Protein-Protein Interaction Inhibition
Dr	Annalisa Gastaldello	Steven Turner	University of Southampton	University of Southampton	Testing the stability of Major Histocompatibility Complex molecules and candidate peptides for a vaccine against Devil Facial Tumour Disease
Professor	Anne Ridley	Kenrick Dennis	King's College London	King's College London	Roles of PAK kinases in RhoH signalling
Dr	Cara Vaughan	Abbie Curd	UCL	Institute of Structural and Molecular Biology	Structural studies of the Hsp90-Cdc37 complex using EPR spectroscopy
Professor	Carolyn Moores	Zachary Brigden	University College, London	Birkbeck College, London	Dissecting Plasmodium falciparum Kinesin-5 Mechanochemistry by Mutagenesis: Characterisation of a Potential Anti-malaria Drug Target
Dr	Christopher Toseland	Zi Ru Yong	University of Kent	University of Kent	Characterisation of NDP52 – a putative transcription co-activator
Dr	Claire Russell	Aroosa Hashmi	Royal Veterinary College	Royal Veterinary College	Generation of zebrafish mutant for the mitochondrial Translocator Protein (TSPO)
Dr	Claire Thornton	Afra Aabdien	King's College London	King's College London	Identifying components of the mitophagy pathway implicated after neonatal hypoxic-ischaemic brain injury
Dr	Clare Davies	Louise Vincent	University of Birmingham	University of Birmingham	How is PRMT5 activity regulated after DNA damage?
Dr	Daniel Mitchell	Oliver Longfield	University of Sheffield	University of Sheffield	Expression, purification and characterization of Vta1 within an in-vitro ESCRT-III system
Dr	Darerca Owen	Jun Ru Zhan	University of Cambridge	Dept. Biochemistry, University of Cambridge	Identification of Rho-family targets for RhoGDI-3
Dr	David Smith	Emma Proctor	Liverpool John Moores University	Sheffield Hallam Univeristy	Investigating the role of iron in the aggregation and transmissibility of α -synuclein in Parkinson's disease

Dr	Elaine Taylor	Emily Whittle	Newcastle University	Lancaster University	The role of SMC5/6 complex-dependent sumoylation in replication stress tolerance
Professor	Ernest Laue	Devina Shah	University of Cambridge	University of Cambridge, Dept of Biochemistry	Studying the assembly of the nucleosome remodelling and deacetylase (NuRD) complex using single-molecule imaging in live mouse embryonic stem cells
Dr	Ewan Main	Yasmin Rashid	Queen Mary University of London	QMUL	Dissecting the interaction of the key protein components PcrH/PopD without which the Type Three Secretion System cannot function."
Dr	Fiona Kerr	Guillermo Ortiz Pasamontes	Edinburgh Napier University	Edinburgh Napier University	Keap1-Nrf2 signalling as a target for AD and vascular dementia
Dr	Gareth Evans	Iona Thelwall	University of York	University of York	Investigating the novel interaction between Src kinase and Nono
Dr	Haruko Okamoto	Ian Jones	Imperial College, London	University of Southampton	Testing the cyclase enzymatic activity of novel adenyly cyclases conferring salinity tolerance in Arabidopsis thaliana
Dr	Helen Mott	Katherine Surridge	University of Sheffield	University of Cambridge	Investigating Investigating the interactions between the RLIP76 RhoGAP domain and six Rho family proteins
Dr	Hilary Rogers	Ashley Baldwin	Cardiff University	Cardiff University	Using Magnetic Resonance Spectroscopy to assess post-harvest quality in fruit
Dr	Ivana Bjedov	Justyna Ekert	University College London	University College London	The role of protein synthesis in ageing : new tools and models for studying the biology of translational accuracy
Dr	Jonathan Worrall	Mia Hanlon	University of Essex	University of Essex	The role of carbohydrate binding modules appended to lytic polysaccharide monoxygenases on substrate binding
Professor	Julea Butt	Leah Bundy	University of East Anglia	University of East Anglia	Catalytic Protein Film Voltammetry of an Annamox Cytochrome
Dr	Julie Aspden	Ellen Temple	University of Leeds	University of Leeds	Structure and function of specialised ribosomes

Doctor	Julieta Aprea	Daniela Lascu	Technische Universität Dresden	DFG-Center for Regenerative Therapies Dresden	Molecular identity of B13: a novel regulator of cortical neurogenesis
Dr	Kacper Rogala	Artem Lomakin	University of Cambridge	Whitehead Institute	Towards molecular understanding of lysosomal recruitment of mTORC1
Professor	Kathryn Ayscough	Rebecca Jeffrey	University of Manchester	University of Sheffield	The Role of Endocytosis in Regulating Cell Wall Composition in <i>Candida albicans</i>
Dr	Laura Spagnolo	Abbie Guild	University of Glasgow	University of Glasgow	Cloning, overexpression and purification of Staufen2 protein
Dr	Leah Fitzsimmons	Joel Reader	University of Leicester	University of Birmingham	Investigating the anti-necroptotic function of the viral BCL-2 homologue, BALF1, in Epstein-Barr virus infected cells
Dr	Leonid Nikitenko	Lucia Brown	University of Hull	University of Hull	Dissecting cellular and molecular mechanisms of ANGPTL2 effects on vessel maturation during sarcoma progression.
Dr	Lynda Partridge	Lucy Urwin	University of Sheffield	University of Sheffield	Investigation of the molecular activity of tetraspanin disrupting peptides using super resolution microscopy.
Dr	Mark Collins	Diana-Ioana Costantin	University of Sheffield, Department of Biomedical Science	University of Sheffield, Department of Biomedical Science	Molecular dissection of palmitoylation-dependent interactions of the phosphatidylinositol 4-kinase anchoring protein EFR3B
Dr	Megan Wright	Bryony Stanbridge	University of Leeds	University of Leeds	A new chemical tool to trap aldehyde-protein adducts and explore their roles in signalling
Dr	Michael Tomlinson	Hanh Nguyen	School of Biosciences, University of Birmingham	School of Biosciences, University of Birmingham	Establishing cell line models to investigate the regulation of endothelial cell function by tetraspanins and the 'molecular scissor' ADAM10
Dr	Nick Robinson	Dimita Papatziomou	Lancaster University	Lancaster University	Structural and biochemical characterisation of ubiquitin modification and proteasomal degradation pathways using archaeal model systems.

Dr	Patrick Lewis	Ai Xian Cheam	University of Bath	University of Reading	Investigating the role of Leucine Rich Repeat Kinase 2 GTPase activity in regulating macroautophagy
Dr	Paul James	Daniel Barber	University of Exeter	University of Exeter	Reliability of Kill Switches for Biosafety Applications in Synthetic Biology.
Dr	Richard Bowater	Annabelle Schofield	University of Nottingham	University of East Anglia	Making ends meet: novel forms of bacterial DNA ligases from <i>Paracoccus denitrificans</i>
Dr	Steven Porter	Katie Paul	University of Exeter	University of Oxford	The role of kinase and phosphatase activities in the multikinase-network controlling the acute/chronic virulence switch in <i>Pseudomonas aeruginosa</i>
Dr	Stuart MacNeill	Natalia Rocha	University of St Andrews	University of St Andrews	Determining the functional impact of PolD3 post-translational modification on eukaryotic DNA replication and repair
Dr	Tansy Hammarton	Edward Peacock	University of Glasgow	University of Glasgow	Investigating the male germ-cell associated kinase (MAK)-like kinase pathway in <i>Trypanosoma brucei</i>
Dr.	Vitor Pinheiro	Eneko Pascual Navarro	University College London	University College London	Combinatorial assembly of complex promoters using a novel DNA assembly method
Dr	Yemisi Latunde-Dada	Liina Sirvio	King's College London	King's College London	L-histidine ameliorates iron-induced oxidative stress damage in the kidney
Dr	Zoe Waller	Sophie Farrington	University of East Anglia	UEA	Developing Ligands to Interact with i-Motif DNA