



SULSA Research Symposium 2010

Thursday June 10th 2010
University of St Andrews

Main programme

0900-1000 hrs	Registration and Coffee Lower Hall
	Plenary Session: Chaired by Professor Mike Tyers All plenary session talks will be held in the Buchanan Lecture Theatre
0955-1000 hrs	Welcome Address Professor Mike Tyers, SULSA Director, University of Edinburgh
1000-1040 hrs	Opening Lecture, Sponsored by PerkinElmer Life and Analytical Science Professor Vittorio Cristini, University of Texas Multiparameter computational modelling of tumour invasion
1040-1120 hrs	Professor Neil Bulleid, University of Glasgow Protein disulphide bond formation and oxidative stress
1120-1200 hrs	Keynote Speaker Dr Anne-Claude Gavin, EMBL, Heidelberg Biochemical approaches to biological networks
1200-1300 hrs	Lunch and Poster session 1 Lower and Upper Halls
1300-1700 hrs	Break-out sessions 1, 2 and 3 (see attached programmes)
	1. Cell Biology, School 1 Lecture Theatre
	2. Systems Biology, School 2 Lecture Theatre
	3. Translational Biology, School 3 Lecture Theatre
1440-1510 hrs	Coffee and poster session 2 Lower and Upper Halls
1700-1900 hrs	Student Poster Prizes, Sponsored by Andor Technology BioSKAPE Launch Drinks Reception Lower and Upper Halls

Break Out Session 1: Cell Biology

Venue: School 1 Lecture Theatre

	Chaired by Professor David Finnegan, SULSA Cell Biology Theme Director, University of Edinburgh
1300-1340 hrs	Professor James Rothman, Yale University Mechanism and regulation of membrane fusion
1340-1350 hrs	Nishal Patel, University of University Chromatin re-organisation during neural differentiation in the mouse embryo
1350-1400 hrs	Matthew Miell, University of Edinburgh Assembling cenp-A centromeric nucleosome
1400-1410 hrs	Faye Mcleod, University of Glasgow Activity dependent modulation of McCP2 and histone modifications in the hippocampus
1410-1420 hrs	Ashley Dorning, University of Aberdeen Characterisation of GPR92 receptor signalling and function
1420-1430 hrs	Stewart Coleman, University of St Andrews Myotonic dystrophy: changes in nuclear sub-domains in eye lens epithelial cells
1430-1440 hrs	Sabrine Schulze, University of Aberdeen The role of Wnt6 signalling in eye development in <i>Xenopus laevis</i>
1440-1520 hrs	Coffee and Poster Session 2 Lower and Upper Halls
1520-1530 hrs	Alicja Sochaj, University of Edinburgh Mitotic targets of fission yeast Aurora kinase
1530-1600 hrs	Dr Heidrun Interthal, University of Edinburgh Repair of covalent protein-DNA complexes
1600-1630 hrs	Dr Adele Marston, University of Edinburgh The role of Cdc55 in budding yeast meiosis
1630-1700 hrs	Dr Markus Meissner, University of Glasgow Systematic analysis of vesicular traffic in apicomplexan parasites
1700-1900 hrs	BioSKAPE Launch Reception and Student Poster Prizes Lower and Upper Halls

Break Out Session 2: Systems Biology

Venue: School 2 Lecture Theatre

	Session Two: Chaired by Professor Mike Barrett, SULSA Systems Biology Theme Director, University of Glasgow
1300-1340 hrs	Professor Barbara Bakker, University Medical Centre, Groningen Multi-level regulation of the gene-expression cascade
1340-1350 hrs	Luca Ciandrini, University of Aberdeen Mathematical model of mRNA translation and traffic of ribosomes
1350-1400 hrs	Henrik Johansson, University of Edinburgh The Arabidopsis warm growth module integrates blue and red light signalling
1400-1410 hrs	Eduard Kerkhoven, University of Glasgow Plumbing a phosphate leak in <i>Trypanosoma</i>
1410-1420 hrs	Leena Nieminen, University of Strathclyde Modelling metabolic switching in the differentiating bacterium <i>Streptomyces coelicolor</i>
1420-1430 hrs	Wim Verleyen, University of St Andrews Computational inference related to breast cancer
1430-1440 hrs	Simon Bordage, University of Glasgow Effect of light on the root circadian clock
1440-1520 hrs	Coffee Break and Poster Session 2 Lower and Upper Halls
1520-1550 hrs	Dr Ramon Grima, University of Edinburgh New modelling frameworks for systems biology
1550-1620 hrs	Dr Oliver Ebenhoeh, University of Aberdeen Biophysical models of starch breakdown
1620-1650 hrs	Dr Mikael Bjorklund, University of Dundee A systems biology analysis of metazoan cell size control
1700-1900 hrs	BioSKAPE Launch Reception and Student Poster Prizes Lower and Upper Halls

Break Out Session 2: Translational Biology

Venue: School 3 Lecture Theatre

	Chaired by Professor Andrew Hopkins, SULSA Translational Biology Theme Director, University of Dundee
1300-1340 hrs	Dr Chas Bountra, Structural Genomics Consortium, University of Oxford Can we reverse or attenuate chromatin modifications to deliver superior therapeutics for chronic diseases?
1340-1350 hrs	Markus Arnold, University of Aberdeen Understanding the molecular mechanisms of chronic bacterial infections and identifying natural products as antimicrobial agents
1350-1400 hrs	Nathaniel Jones, University of Glasgow Validating protein kinases of <i>trypanosome brucei</i> as drug targets
1400-1410 hrs	Lisa Pirrie, University of St Andrews Tenovins as Sirtuin inhibitors
1410-1420 hrs	Alasdair Carey, University of Strathclyde Development of novel PDK1 inhibitors
1420-1430 hrs	Waldemar Striker, University of Dundee Virtual screening for /Tb/UGP inhibitors
1430-1440 hrs	Margaret Duffy, University of Glasgow Modification of the FX serine protease domain ablates HSPG engagement by AD5/FX complexes
1440-1520 hrs	Coffee break and Poster Session 2 Lower and Upper Halls
1520-1530 hrs	Nicola McIntosh, University of Edinburgh Understanding the architecture of complement factor H using EPR
1530-1600 hrs	Dr Stuart MacNeill, University of St Andrews Models for dissecting MCM helicase function
1600-1630 hrs	Dr Marie Boyd, University of Strathclyde Targeted radiotherapy for cancer - making radiotherapy fit for the present
1630-1700 hrs	Dr Kevin Read, University of Dundee Assessing brain free fraction in early drug discovery
1700-1900 hrs	Drinks Reception and Student Poster Prize Lower and Upper Halls