



DAY 1 - MONDAY 7TH SEPTEMBER 09

	Drug Discovery for GPCR Targets	Structural Biology and Rational Drug Discovery	Assay Development and Screening	ELRIG Robotics Workshop
SPONSORS			MDS	Perkin Elmer
Session Chairs	Fiona Marshall, Heptares Annette Gilchrist, NW Ed	Steve Garland, GSK Ray Owens, MRC OPPF	Christine Williams, Pfizer David Cronk, BioFocus	Eric Tang, AZ Malcolm Crook, PAA
09.00 – 11.30	'GPCR Assays for Ultra High Throughput Screening' Priya Kunapuli, Merck	'Structure-Based Drug Discovery in Epigenetics: The Writers, Readers and Erasers, of Histone Methylation' Wyatt Yue, SGC	'Primary cells and HTS: the good, the bad and the ugly' Richard Eglén, Perkin Elmer	'Application of Mass Production Design and Manufacturing Principles to HT Lab Automation' James Mainquist, GNF
11.30 - 12.00	'The crystal structure of the adenosine A_{2A} receptor. Implications for GPCR drug design' Ad Ijzerman, Leiden Uni	'DrugFinder: Harnessing modern web technologies for virtual screening' Paul Finn, InhibOx	'Lead Discovery for the HMTome' Margaret Porter Scott, Epizyme	'Use of Computer Simulation to optimize the output of Lab Automation' Mike Allen, LeanSigmaLab
12.00 - 12.30	'Engineering stabilised GPCRs for drug discovery and screening' Fiona Marshall, Heptares Therapeutics	'Exploiting structure and property based design in the discovery of orally active anticoagulants' Rob Young, GSK	'Automated Patch Clamp Electrophysiology: Emerging Tools for Ion Channel Screening' Alison Haythornthwaite, Nanion	TBA
12.30 - 1.00	'Allosteric Modulators of Family C GPCRs' Brice Campo, Addex Pharma	Snapshots: TTP	Snapshots: Essen Bellbrook Cysbio, MDS	Standardisation of Robotic interfaces-SiLa initiative.

				Jason Meredith, Tecan
1.00 - 2.30	LUNCH			
2.30 - 3.00	'Allosteric Regulation of Ligand Binding To Monomeric GPCRs By G Proteins' Roger Sunahara, Michigan Uni	'Structural screening of fragments for drug discovery' Phil Day, Astex	'Designing Assays that Fulfill Therapeutic Areas needs: a Change in Strategy and the Application of Design of Experiments (DOE) in Plate Based Assay Development' Rachel Russell, Pfizer	'Autonomous Experimentation: Coupling Machine Learning with Computer Controlled Microfluidics' Chris Lovell, Southampton Uni.
3.00 - 3.30	'Pioneering a New Class of Drugs' Stephen Hunt III, Ascent Therapeutics	'Fragment hit finding and optimisation in early drug discovery' John Barker, Evotec	'Allosteric Modulation of the TrkB receptor' Greg Osborne, GSK	'The Robot Scientists' Muhammed Khan, Aberyswyth University
3.30 - 4.15	COFFEE		'The discovery of active, non-peptide, small molecules against a previously intractable target'	
4.15 - 4.45	'GPCR-HIT - Enabling GPCR heteromer-based drug discovery' Kevin Pflieger, Dimerix	'Cysteine proteases from RNA viruses and protozoa: Structure-assisted discovery of new anti-infectives' Prof. Rolf Hilgenfeld, Lubeck University.	'Impact of New Assay Technology on Challenging Drug Targets' Jon Ellery, Takeda	'Swarm Robotics: Advantages and Challenges' Serge Kernbach, Stuttgart University
4.45 - 5.15	'New approaches to the discovery of allosteric modulators of GPCRs' Pascal Neuville, Domain Therapeutics	'Aeropath: An EU Consortium for Characterization and Exploitation of Novel Gram-Negative Drug' Prof. Bill Hunter, Dundee Uni.	'Kinetics of Ligand Binding at the Single Cell Level' Lauren May, Nottingham Uni	'Medical Nanorobotics for enhanced target drug delivery through the human vascular network' Prof. Sylvain Martel, Montreal
5.15 - 7.30	DRINKS RECEPTION			

DAY 2 - TUESDAY 8TH SEPTEMBER 09

	Drug Discovery for Enzyme Targets	Drug Discovery Automation Detection Systems	Sample Management	Biopharmaceuticals
SPONSORS	Caliper Life Sciences	HighRes Biosolutions	Thermo	Beckman Coulter
Session Chairs	Julie Frearson, Dundee Uni Dave Powell, GSK	Al Kolb, Keytech Solutions Phil Gribbon, Screeningport	Christine Rigby, AZ Terry Wood, Pfizer	Jane Osbourn, MedImmune Richard Pither, UCB
9.00 – 9.30	'Viral Helicases as Drug Targets: Development of Optimized Unwinding and ATPase Assays in High Throughput Screens (HTS)' Joachim Kramer, Evotec	'Implementing Robust Automation While Continuing To Access Emerging Novel Technologies - A Balancing Act' Jeff Paslay, Wyeth	'Sample Management Technology: Enabling Drug Discovery by operational and scientific excellence' Sue Holland, GSK	'Analysis of Antibody Sequence and Structure' Andrew Martin, UCL
9.30 – 10.00	'Repositioning Enzyme Targets for Neglected Diseases Drug Discovery' Paul Wyatt, Dundee Uni	'i-doT (immediate drop on demand technology) Direct High Throughput Liquid Handling out of MWPs' Andreas Traube, IPA	'Operational and scientific excellence in compound management and logistics' Andreas Sewing, Pfizer	'Looking for the Ideal Molecule – Screening for Optimal Properties Early in the Candidate Selection Process' Alistair Henry, UCB-Celltech
10.00 – 10.30	'Catalysing Enzyme Drug Discovery at the MRC' Catherine Kettleborough, MRCT	'Chasing Drug Delivery with CARS' Julian Moger, Exeter Uni	'Acoustic Drop Ejection: The impact of delivering a Bioscience and Compound Management change program' Colin Bath, AZ	'Generation of Antibody Diversity: Harnessing Somatic Hypermutation for Antibody Discovery and Optimisation' David King, AnaptysBio
10.30 – 11.00	COFFEE			'New Selection and Screening Technologies for Identification of Lead Domain Antibodies' Allart Stoop, Domantis
11.00 – 11.30	'Inhibitors of kinases involved in tumour cell invasion and migration' Tim Hammonds, CRT	'Optical lock-in detection (OLID): A new approach for high-contrast detection and imaging of proteins' Gerard Marriott, California Uni	'Raising the Quality of Screening Sets' Jens Loesal, Pfizer	'Application of Display Technologies to the Generation of Biopharmaceuticals' Andrew Buchanan, MedImmune
11.30 – 12.00	Snapshots: Caliper, Axxam	Snapshots: HighRes Biosolutions	Snapshots: RTS, Specs, Tecan, TAP, Labcyte	'Randomisation of Structural Loops of Antibody Domains to Generate New Antigen-binding Sites'

				Gottfried Himmler, F-Star
12.00 – 1.30	LUNCH			
1.30 – 2.00	'Novel epigenetic targets for drug discovery' Chas Bountra, SGC	'Characterising Molecular Interactions Label-free using Back-Scattering Interferometry' Darryl Bornhop, Vanderbilt Uni	'A contact-free dispensing cartridge for low volume liquid handling, sample storage or sample management' Gunter Bauer, Scienion PE	'Exploiting the Diversity of Innate and Adaptive Immune Mechanism in Vaccine Development' Brian Champion, Pfizer
2.00 – 2.30	'A Chemical Genomics Program to Discover Small Molecule Probes for Chromatin Modifying Enzymes' Bill Janzen, UNC	'Nanomechanical Detection of Antibiotic-Mucopeptide Binding and Superbug Drug Resistance on Cantilever Arrays' Manuel Vogtli, University College London	'Automation trends in Pharmacogenetic Research' Ana Alfirevic, Liverpool Uni	'The development of a Portfolio of Antibody Based Therapeutics for Oncology' David Blakey, AZ
2.30 – 3.00	COFFEE			
3.00 - 4.00	Keynote Presentation			
4.00 - 5.00	Close of conference Prize Draw			