

Spotlight on Genomics

18th & 19th June 2018, Park Inn Cardiff City Centre



Wales
Gene
Park | PARC
Geneteg
CYMRU

Day 1 - 18 th June Focus on Genome Editing	
9.00 -9.30	Registration & Coffee
9.30 – 9.45	Welcome and introduction Dr Karen Reed , Wales Gene Park
9.45	Gene editing for T-cell therapies Mateusz Legut , Cardiff University School of Medicine
10.05	CRISPR genomes editing for disease modelling in human IPS cells Professor Nick Allen , Cardiff University School of Biosciences
10.25	Applying CRISPR/Cas9 for high throughput generation of mouse mutants Dr Lydia Teboul , MRC Harwell
11.00 – 11.40	Coffee & Networking
11.40	Tom Speedy - Integrated DNA Technologies
12.00	Aurore Lejeune-Dodge - Labcyte.com
12.20	Gavin Allsop - Life Technologies Ltd (ThermoFisher)
12.40 – 13.40	Lunch & Networking
13.40	High throughput sequencing for rapid screening of CRISPR-Cas9 genome editing experiments using the Oxford Nanopore minION Dr Ian Tully , Cardiff University School of Medicine
14.00	Gene Editing in Plants: New Possibilities for Agricultural Improvement Dr Geraint Parry , GARNet, Cardiff University
14.20	Ethical principles that apply to Gene Editing Professor Ruth Chadwick , Professor Emerita, Cardiff University
15.00 – 15.40	Tea & Networking
15.40	Genie or genius: an overview of the GeDI (Jedi) project Dr Kerina Jones , Swansea University Medical School
16.00	CRISPR/Cas9 mediated microRNA knock down – challenges and benefits Magdalena Czubala , Cardiff University School of Medicine
16.15	CRISPR/Cas9 within the fly to generate models of human disease Helen White-Cooper , Cardiff University School of Biosciences
16.30	Close

Day 2 - 19th June
Focus on Next Generation Sequencing

9.00 – 9.30	Registration & Coffee
9.30 – 9.50	Wales Gene Park Genomics Facility – supporting research across Wales and beyond Sarah Edkins , Wales Gene Park
9.50	NGS exploitation for the genomic services in Wales Rachel Butler , All Wales Genetics Laboratory
10.10	Using DNA metabarcoding within the PollerGEN project Dr Matthew Hegarty , Aberystwyth University
10.30	Working towards genome-wide mapping of covalently bound Topoisomerase I at single base pair resolution Dr Edgar Hartsuiker , Bangor University
10.50	NGS analysis of macrophage microRNA expression in inflammation Dr Robert Jenkins , Cardiff University School of Medicine
11.10 – 11.40	Coffee & Networking
11.40	Adam Peltan - New England Biolabs
12.00	Andrew Ridley - Labtech International
12.20	TBC - Qiagen
12.50	Miles Burrows - Perkin Elmer
13.10 – 14.00	Lunch & Networking
14.00	Single Cell Genomics Dr Xi Chen , Sanger Institute, Cambridge
14.35	Economics of pharmacogenetics tests Professor Dyfrig Hughes , Bangor University
15.10 – 15.40	Tea & Networking
15.40	Omic technologies: Towards a better understanding of familial bowel cancer Dr Laura Thomas , Cardiff University School of Medicine
16.00	Title to be confirmed Shane O'Brein , Integrated DNA Technologies
16.15	Miniaturization of Illumina library preparation in a shared facility setting Klaus Hentrich , TTP labtech
16.30	Close

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