



6th Next Generation Sequencing Symposium

Wednesday 18th May, 2016

Faculty of Medicine Lecture Theatre 2, Southampton General Hospital

8.45 – 9.15	Registration & Coffee – all posters up by 9.15 am	
SESSION 1. (20')		
9.15 – 9.20	Welcome	Sarah Ennis - FoM
9.20 – 9.40	Medicine on the South Coast – a branch of Genomics	Karen Temple - WCGS
9.40 – 10.00	New Discoveries in Genome, Transcriptome & Epigenome Research by Long-Read SMRT Sequencing	Nicola Cahill - PacBio
10.00 – 10.20	Applying PacBio long-read sequencing to the FcyR locus	Chantal Hargreaves
10.20 – 10.40	Coupling genomics and automated technology, determining ecosystem processes in the marine frontier	Rob Young- NOC
10.40 – 11.00	Networking & Exhibitor Stands with Coffee	
SESSION 2. (6')		
11.00 – 12.00	 <i>Snapshots of local NGS Applications</i> 	
	1. Investigating unmapped reads from exome sequencing	Roshan Sood – FNES
	2. miRNA expression in classic Hairy Cell Leukaemia (HCLc)	Yurany Moreno – FoM
	3. Metagenomic functional analysis of 16S sequencing data in IBD	James Ashton – FoM
	4. Bacterial Diversity in Antarctica	Iordanis Magiopoulos - NOC
	5. Machine learning and NGS: a new frontier for clinical diagnosis	Enrico Mossotto – FoM
	6. Drugs, diet, placenta and RNAseq	Jane Cleal - FoM
	7. The utility of the connectivity map (CMAP) for HIV cure strategies	Yawwani Gunawardana – FoM
	8. NGS for non-invasive prenatal testing – a Wessex update	Helen White - WRGL
	9. Competition pitches	Competition finalists
12.00 – 1.00	Lunch & Exhibitor stands	
1.00 – 2.00	Dr. Chris Tyler-Smith African Genomics and Human Evolution	
2.00 – 2.10	Comfort break	
SESSION 3.		
2.10 – 2.30	The Wessex Clinical Exome: a work in progress	David Hunt - WCGS
2.30 – 2.50	High-throughput single cell sequencing with DropSeq: Dissecting tissue heterogeneity one cell at a time	Patrick Stumpf - IfLS
2.50 – 3.20	Illumina portfolio update	Carla Simoes- Illumina
3.20 – 3.40	The where, when and how of domestication: using genomics to unravel the complicated case of aubergines	Mark Chapman - IfLS
3.40 – 4.00	A to Zika – studies on the MinION	Steven Pullan - PHE
4.00 – 4.05	Poster competition results & closing remarks	
4.05 – 4.20	Networking & Exhibitor Stands with Coffee	

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