



4th Next Generation Sequencing Symposium

Friday 23rd May 2014

Somers Lecture Theatre, IDS Building, Southampton General Hospital

8.45 – 9.15	Registration & Coffee	
SESSION 1.		
9.15 – 9.20	Welcome	Sarah Ennis – HGGM
9.20 – 9.40	Using RNASeq to investigate the immune response to a recently emerged contagious cancer in the Tasmanian devil	Hannah Siddle – FNES
9.40 – 10.00	Precision in Transcriptome-based Inference : RNASeq v Microarray	Niranjan – ECS
10.00 – 10.20	Whole-Transcriptome RNASeq for Prognostic Biomarker Discovery	Michael Breen – CES
10.20 – 10.40	NGS in plant and environmental sciences	Gail Taylor – FNES
10.40 – 11.00	Networking & Exhibitor Stands with Coffee	
SESSION 2.		
11.00 – 12.00	<div> <i>Snapshots of local NGS Applications</i> </div> <div><div><div>1. NGS for non-invasive prenatal testing (NIPT)</div><div>2. Next Gen LD Maps</div><div>3. Transcriptomics of crop domestication: selection and demography</div><div>4. Cancer exomes & transcriptomes</div><div>5. Genetic diversity of <i>Streptococcus pneumoniae</i> in Singapore</div><div>6. Statistical issues and relevant packages for analyzing RNASeq data</div><div>7. Validating NGS for diagnostics</div><div>8. Anthrax, opiates and NGS: an unusual combination</div><div>9. Sequencing and Modelling of Shark Single-domain Antibodies</div><div>10. Metagenomics</div></div><div><div>Helen White – WRGL</div><div>Reuben Pengelly – HGGM</div><div>Mark Chapman – FNES</div><div>Will Tapper – HGGM/WRGL</div><div>Elita Jauneikaite – CES/GIS</div><div>Topher Woelk – CES</div><div>Chris Mattocks – WRGL</div><div>Richard Vipond – Public Health England</div><div>Tom Piggot – DSTL</div><div>Joe Jenkins – FNES</div></div></div>	
12.00 – 1.00	Lunch & Exhibitor stands:	
1.00 – 2.00	<div>Implementing Bioinformatics for Genomic Medicine</div> <div>Prof Tim Hubbard</div> <div>Director of Bioinformatics, Genomics England (KCL & Sanger)</div>	
2.00 – 2.10	Comfort break	
SESSION 3.		
2.10 – 2.30	Targeted NGS in Blood Cancer	Jon Strefford – CS
2.30 – 3.00	Sequencing power for every scale	Neil Ward – Illumina
3.00 – 3.20	NGS in defence science	David Cleary – DSTL/UoS
3.20 – 3.40	Case studies in applied clinical genomics	Sarah Ennis – HGGM
3.40 – 3.45	Open discussion / closing remarks	
3.45 – 4.00	Networking & Exhibitor Stands with Coffee	

Thank-you to our sponsors:

