



Please register for this event here:

ngs2015soton.eventbrite.co.uk

5th Next Generation Sequencing Symposium

Thursday 7th May, 2015

Heartbeat Education Centre, Southampton General Hospital

8.45 – 9.15	Registration & Coffee	
SESSION 1.		
9.15 – 9.20	Welcome	Sarah Ennis - FoM
9.20 – 9.40	The Wessex Genomic Medicine Centre & 100,000 Genomes	Karen Temple - WCGS
9.40 – 10.00	Next generation human LD maps	Andy Collins - FoM
10.00 – 10.20	Shining the RNA-Seq microscope on models of HIV latency	Topher Woelk - FoM
10.20 – 10.40	NGS in the Ocean	Tom Bibby - NOC
10.40 – 11.00	Networking & Exhibitor Stands with Coffee	
SESSION 2.		
11.00 – 12.00	 <p style="text-align: center;"><i>Snapshots of local NGS Applications</i></p> <ol style="list-style-type: none"> 1. From Bongos to Borrelia: Genomics of Rare Pathogens at PHE-Porton 2. Computational approaches to optimising nanopores for DNA sequencing 3. RNA-Seq analysis to investigate spliceosomal machinery 4. The challenges of targeted NGS in FFPE archival tumour tissue 5. Structural biology goes sequencing 6. From LD to KFC: mapping selection in agricultural chickens 7. NGS analysis of multi-locus imprinting disorders 8. NGS in a family with a complex movement disorder 9. Computational facilities for NGS analysis - Iridis and beyond 10. Competition pitches 	 <p>Steve Pullan - PHE Syma Khalid - FNES Marcin Knut - FoM Kate Packwood - FoM Ivo Tews - CfBS Reuben Pengelly - FoM Faisal Rezwan - FoM Nicki Foulds - WCGS Elena Vataga-iSolutions Competition finalists</p>
12.00 – 1.00	Lunch & Exhibitor stands	
1.00 – 2.00	Genetics of Rare Diseases – changing scale Dr. Michael Simpson Head of Genomic Medicine group, King's College London	
2.00 – 2.10	Comfort break	
SESSION 3.		
2.10 – 2.30	Tracking an outbreak – analysis of Ebola in West Africa	Mike Elmore - PHE
2.30 – 2.50	PC-Seq: A method to study long-lived RNA-Chromatin interactions	Jon Watts - FNES
2.50 – 3.20	Agilent's target enrichment solutions - finding rare variants, faster and with less input	Bram Herman - Agilent
3.20 – 3.40	Whole exome comes full circle in kidney disease	Christine Gast - WKC
3.40 – 3.45	Competition results & closing remarks	
3.45 – 4.00	Networking & Exhibitor Stands with Coffee	

Thanks to our sponsors:



Organised by Reuben Pengelly & Sarah Ennis