



Tuesday 30th August

14:00 to 17:00 Registration in EXCHANGE BUILDING, JUBILEE CAMPUS,
UNIVERSITY OF NOTTINGHAM

Exhibition stands set-up in C3 and C33, The Exchange Building

15:00 Check-in at Southwell Hall, Jubilee Campus

16:00 to 17:25 Session 1, Chairperson: Professor Neil Hall

Lecture Theatre 3, Exchange Building

16:00-16:10 Opening remarks

16:10-16:40 Prof. Neil Hall (Centre for Genomic Research, University of Liverpool)

Genomics of Neglected Diseases

16:40-17:00 Mr. Mick Watson (ARK-Genomics, Roslin Institute)

21 - 23 facts; the devil in the detail of microRNA-Seq

17:00-17:25 Dr. Xuemin Liu (Roche)

GS FLX+ System

17:25-18:00 Coffee/Tea break in C3 and C33, Exchange Building

18:00 to 19:15 Session 2, Chairperson: Dr. Nick Loman

Lecture Theatre 3, Exchange Building

18:00-18:30 Dr. Nick Loman (Centre for Systems Biology, University of Birmingham)

Benchtop Sequencers and Bacterial Outbreaks

18:30-18:50 Dr. Andreas Heger (CGAT, University of Oxford)

The MRC CGAT programme - Computational Genomics: Analysis and Training

18:50-19:15 Dr. Korbinian Grote (Genomatix)

ChIPseq in Disease Relevant Environment

19:30 onwards Social in Nottingham City Centre with postgraduate student guides



Wednesday 31st August

07:30 to 9:00 Breakfast in The Atrium

08:30 to 9:30 Registration and poster set-up in Exchange Building

09:00 to 10:35 Session 3, Chairperson: Professor Mark Blaxter

Lecture Theatre 3, Exchange Building

09:00-09:30 Prof. Mark Blaxter (The GenePool, University of Edinburgh)

Assembling environmental genomes from Illumina data

09:30-09:50 Dr. Rachel Brenchley (The University of Liverpool)

Sequencing the genome of hexaploid wheat for SNP discovery

09:50-10:15 Dr. Raimo Tanzi (Life Technologies)

Whole Exome Sequencing on the SOLiD™ 5500 System

10:15-10:35 Ms. Carolin Müller (University of Nottingham)

Deep Sequencing to Study Genome Replication

10:35-11:00 Coffee/Tea break in C3 and C33, Exchange Building

11:00 to 12:15 Session 4, Chairperson: Dr. Paul Coupland

Lecture Theatre 3, Exchange Building

11:00-11:30 Dr. Paul Coupland (Wellcome Trust Sanger Institute)

A Year of PacBio at the Sanger: The Story so Far

11:30-11:50 Dr. Frances Turner (ARK-Genomics, Roslin Institute)

Use of Biological Replicates in a Large RNA-seq Dataset

11:50-12:15 Dr. Frank Smith (GenoLogics)

GenoLogics LIMS implementation for an NGS services laboratory

12:15 to 13:45 Poster session 1 (odd numbers) and buffet lunch in C3 and C33 Exchange Building



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13:45 to 15:45 Session 5, Chairperson: Dr. Guy Cochrane

Lecture Theatre 3, Exchange Building

- 13:45-14:15 Dr. Guy Cochrane (EBI, Wellcome Trust Genome Campus)
European Nucleotide Archive: Life on the log-scale
- 14:15-14:35 Mr. Thomas Hancocks & Dr. Angela Davies (Nowgen, Manchester)
Professional training in bioinformatics and next generation sequencing
- 14:35-15:00 Dr. Holger Karas (CLCbio)
CLC Genomics Gateway as Platform for Deep Sequence Analysis
- 15:00-15:20 Dr. Gerton Lunter (Wellcome Trust Centre for Human Genetics, Oxford)
Mapping and variant calling from Illumina data
- 15:20-15:45 Dr. Hannes Arnold (Caliper Life Sciences)
Dr. Melanie Febrer (The Genome Analysis Centre)
Integrated Solutions for Automated NGS Sample Preparation
- 15:45-16:20 Coffee/Tea break in C3 and C33, Exchange Building

16:20 to 17:35 Session 6, Chairperson: Professor Chris Ponting

Lecture Theatre 3, Exchange Building

- 16:20-16:50 Prof. Chris Ponting (MRC FGU, University of Oxford)
A Transcriptomic Atlas of Mouse Neocortical Layers
- 16:50-17:10 Damian Kao (University of Nottingham)
Use of client-side web development for presenting bioinformatics data
- 17:10-17:35 Dr. Michelle Hiscutt (Beckman Coulter)
The Biomek Continuum - Automating Next Generation Sequencing
- 17:35-19:00 Poster session 2 (even numbers) & Drinks reception in C3 and C33 Exchange Building
- 19:00, 19:15 Buses depart for Conference Dinner at Trent Bridge, Nottinghamshire County Cricket Club



Thursday 1st September

07:30 to 09:00 Breakfast in The Atrium

Check out of rooms in Southwell Hall

09:00 to 10:15 Session 7, Chairperson: Professor Ed Louis

Lecture Theatre 3, Exchange Building

09:00-09:30 Prof. Ed Louis (Centre for Genetics and Genomics, University of Nottingham)

A 'Complete' de novo Yeast Genome using Mixed NGS Platforms (454 and SOLiD)

09:30-09:50 Dr. Laura Kelly (Royal Botanic Gardens Kew, Queen Mary University of London)

Sequencing Giant Genomes: Second Generation Sequencing Analysis of Fritillaria (Liliaceae)

09:50-10:15 Neil Ward (Illumina)

Illumina Sequencing - Whole genomes to amplicons

10:15 to 11:00 Coffee/Tea break in C3 and C33, Exchange Building

Before 11:30 Delegates remove posters from poster boards

Sponsors remove exhibition materials

11:00 to 13:00 Session 8, Chairperson: Dr. Mario Caccamo

Lecture Theatre 3, Exchange Building

11:00-11:30 Dr. Mario Caccamo (The Genome Analysis Centre, Norwich Research Park)

Bread Wheat Chromosome-based Survey Sequencing Initiative

11:30-11:55 Dr. Scott Brouillette (Partek)

Whole Transcriptome Analysis – a Start-to-Finish Solution using Partek Genomics Suite

11:55-12:15 Dr. Ian Adams (Food and Environment Research Agency)

Invasive insect surveillance using 454 amplicon sequencing



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12:15-12:40 Dr. Eric van der Walt (Kappa Biosystems)

An Engineered High-Fidelity DNA Polymerase Minimizes Library Amplification Bias and Improves Coverage Uniformity in Illumina Sequencing

12:40-13:00 Dr. Miriam Smith (Wellcome Trust Sanger Institute, Cambridge)

Evaluation of the Ion Torrent Personal Genome Machine Sequencer at the Wellcome Trust Sanger Institute

13:00 **END**