National Genome Research Network

PROGRAM OF MEDICAL GENOME RESEARCH

SPONSORED BY THE Federal Ministry of Education and Research

3rd Annual Meeting
NGFN-Plus and NGFN-Transfer in the Program of Medical Genome Research

Satellite Symposium

Next-Generation Sequencing

November 25, 2010

Scientific Organization: Bernhard Korn, Institute for Molecular Biology (IMB), Mainz, Germany

12.00 - 12.05 pm	Introduction and Chair: ***Bernhard Korn***
Session 1	
12.05 – 12.25 pm	Microdroplet-based PCR Amplification for Large Scale Targeted Sequencing ***Steve Picton, RainDance Technologies, Inc., Lexington MA, USA***
12.25 – 12.45 pm	Fully automated library preparation for the Illumina Genome Analyzer – a comparison with the manual method ***Kathryn Stemshorn, Cologne Center for Genomics, Germany***
12.45 – 1.05 pm	'Private variants' – a common cause of disease ***Alexander Hoischen, Nijmegen Centre for Molecular Life Sciences, The Netherlands***
1.05 – 1.25 pm	"NGS to Examine the Transcriptome: A Focus on ncRNAs and Viruses" ***John Castle, TrOn GmbH, Mainz, Germany***
1.25 – 1.45 pm	Sequencing using Semiconductor Technology ***Armin Winands, Ion Torrent Inc., San Francisco, USA***
1.45 – 2.00 pm	***Coffee Break***
Session 2	
2.00 – 2.20 pm	Complete Human Genome Sequencing for Large-Scale Disease Studies ***Rick Tearle, Complete Genomics, Inc., Mountain View, CA, USA***
2.20 – 2.40 pm	Cool Runnings with the Roche 454 GS Junior ***Ralph Oehlmann, IMGM Laboratories GmbH, Martinsried, Germany***

2.40 – 3.00 pm	High performance genomics with Galaxy on the ground and in the clouds ***Nate Coroar, PennState University, Pennsylvania, USA***
3.00 – 3.20 pm	NGS Data Analysis: Genomic and Transcriptomic Variants Identification – Characterization – Visualization ***Martin Seifert, Genomatix Software GmbH***
3.20 – 3.40 pm	A comprehensive platform for full-genome data analysis ***Roald Forsberg, CLC bio, Aarhus, Denmark***
3.40 – 4.00 pm	From third generation sequencing to a multi-scale biology approach to understanding and treating human disease ***Tobias W.B. Ost, Pacific Biosciences, Menlo Park, CA, USA***
4.00 – 4.30 pm	***Coffee Break***