



Genetic solutions for all

Workshop announcement

Advances in Applied Biosystems™ and Ion Torrent™ technologies transforming human genetics research.

Sunday, June 7, 2015, 11.45 - 13.15 hrs., room Boisdale 1 & 2

Learn how the latest in genetic analysis technology connects scientists, instruments and software to enable easier collaboration, with the sharing of protocols and data and usability advances that will change the way we perform variant detection and quantification.

In this corporate satellite you'll see how we connect scientists and their data using the latest Applied Biosystems and Ion Torrent products for genetic analysis and the Thermo Fisher Cloud™.

Our panel of speakers will discuss the latest product updates, with Mike Lelivelt Director of Bioinformatics & Software Products hosting the session and connecting the technologies to the cloud software solutions.

Ion Torrent technology advances

- Latest developments in sequencing instruments and applications.
Dr. Andy Felton, Ion Torrent Product Management Leader, Thermo Fisher Scientific
- Experience of high throughput transcriptome analysis on the Ion P1™ chip using the Ion Proton™ System.
Inger Jonasson, Uppsala Genome Center, Sweden

Keeping the development in capillary electrophoresis, flexible systems and software solutions

- Latest updates on the 3500 Series Genetic Analyzers and new advances in Sanger sequencing for detection of mutations with low allelic frequency using standard BigDye™ protocols.
Dr. Martin Storm, Applied Biosystems™ Product Management Leader, Thermo Fisher Scientific

The new face of real-time PCR

- Introducing the latest QuantStudio™ family for better connected Real-Time PCR.
Damien Luk, Applied Biosystems Product Management Leader, Thermo Fisher Scientific
- Experiences using the very latest QuantStudio RT-PCR for mutant allele quantification.
Speaker tbc

Spaces are limited so reserve your seat at lifetechnologies.com/eshg2015



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Workshop announcement

Advances in applications for variant detection & quantitation using Applied Biosystems™ and Ion Torrent™ systems.

Monday, June 8, 2015, 15.30- 17.00 hrs, room Boisdale 1 & 2

Scientists all over the world use the Applied Biosystems and Ion Torrent genetic analysis products and solutions to understand the science behind their clinical research and apply these solutions to make a healthier world.

In this corporate satellite you will hear the practical experiences from leading laboratories on a range of applications including mutation discovery and verification using orthogonal technologies and how they perform routine data interpretation workflows in order to achieve their goals faster, better and with less workload.

Applications to be presented include:

- Pre-implantation genetic screening on the Ion Torrent sequencing platform¹. *Speaker tbc*
- Personalised clinical genomics using Ion Torrent sequencing¹.
Dr. Corina Shtir, Enterprise Genomics Group, Thermo Fisher Scientific
- Using AmpliSeq™ Colon and Lung Panel¹ and QuantStudio™ 3D Genotyping Assays¹ for the detection of rare mutations in cfDNA of lung cancer research samples.
Dr. Jose Luis Costa, Institute of Molecular Pathology and Immunology, University of Porto, Porto, Portugal
- Experience using the latest QuantStudio 3/5 Real-Time PCR System¹ for fusion transcript detection and quantification. *Dr. Csab Bodorf, Semmelweis Medical University, Budapest, Hungary*
- Validation of fragment analysis CE-IVD assays for inherited genetic diseases on the 3500DX Genetic Analyzer². *Dr. Greg Fitzgibbon, Product Development Manager, Elucigene Diagnostics, UK*

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1 For Research Use Only. Not for use in diagnostic procedures.

2 For In Vitro Diagnostic Use. The 3500 Dx Series instruments are intended for use by trained operators in the analysis of human DNA or RNA for the detection of genetic changes that may lead to disease presence or susceptibility. Users are responsible for any validation of assays and compliance with any regulatory requirements that pertain to their procedures and instrument use. Use of sequencing and fragment analysis applications on the 3500 Dx system are classified as Non-Diagnostic Use and will require self-validation by appropriate laboratory personnel developing or running such applications.