




Agenda - VIB Nucleomics Core “Anniversary” Meeting 2013

When: Thursday, March 21st 2013.

Where: Provinciehuis, Leuven – Belgium.

9h00 – 9h30: Registration & Coffee (sponsored by ).

Hall & Spoor95

Welcome & Introduction

Auditorium

9h30 – 9h40: Welcome.

Peter Verhasselt, Research Manager – VIB Nucleomics Core, Leuven – Belgium.

9h40 – 10h00: From MAF to Nucleomics Core.

Peter Verhasselt, Research Manager – VIB Nucleomics Core, Leuven – Belgium.

Key-Note Lecture

Auditorium

10h00 – 10h45: Exome Sequencing for Personalized Cancer Medicine.

Paul Van Hummelen, Associate Director - Center for Cancer Genome Discovery (CCGD), Dana Farber Cancer Institute, Boston – USA.

10h45 – 11h00: Sponsor presentation

Sequencing Systems and Sample Preparation Solutions Update. Easier, Longer, Faster and more.

Steven Van Hove, District Marketing Manager, Illumina

Auditorium

11h00 – 11h30: Coffee (sponsored by ) & Sponsor contact.

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Optical mapping

Auditorium

11h30 – 11h50: Optical mapping for genome assembly.

Stephane Rombauts – VIB Plant Systems Biology (PSB), UGent, Gent – Belgium.

MicroArray & Nanostring nCounter

Auditorium

11h50 – 12h10: Arabidopsis leaf mutant transcriptomes to elucidate gene function.

Mieke Van Lijsebettens – VIB Plant Systems Biology (PSB), UGent, Gent – Belgium.

12h10 – 12h30: Cancer pathway discovery using NanostringnCounter technology.

Sven Eyckerman –UGent, Department of Biochemistry, VIB Department of Medical Protein Research, Gent – Belgium.

12h30 – 12h45: Sponsor presentation

Genomic Discovery to Translational Medicine.

Jim White, Nanostring Technologies.

Auditorium

12h45 – 13h00: Sponsor presentation

Tools for NGS.

Luc Van Laer, Product Manager Genomics, Analis.

Auditorium



13h00 – 14h00: Lunch & Sponsor contact.

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Targeted Resequencing & Small Genome Sequencing

Auditorium

14h00 – 14h20: Next generation sequencing for mutation analysis in routine diagnostic pathology.
Ernst-Jan Speel, Head Molecular Diagnostics, Department of Pathology, MUMC, Maastricht - The Netherlands.

14h20 – 14h40: NGS for (q)PCR assay validation - insights in the quirks of qPCR.
Jan Hellemans, CEO – Biogazelle, Gent – Belgium.

14h40 – 15h00: Bacteriophage genome sequencing for endolysin identification.
Yves Briers – K.U. Leuven, Division of Gene Technology, Belgium.

15h00 – 15h15: Sponsor presentation
Expanding the SeqCap EZ Library Portfolio: targeted disease panels and the next generation of exome capture solutions.
Els Schollen, System specialist, Roche Diagnostics Belgium.

Auditorium

15h15 – 15h45: Coffee (sponsored by ) & Sponsor contact.

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RNA sequencing

Auditorium

15h45 – 16h05: IlluminaTruSeq RNA library prep versus low-input library prep methods.
Frederik Coppens – VIB Plant Systems Biology (PSB), UGent, Gent – Belgium.

16h05 – 16h25: RNA-sequencing for the detection of long non-coding RNA.
Pierre Lau Poui Cheung – KU Leuven, Laboratory for the Research of Neurodegenerative Diseases, VIB Center for the Biology of Disease, K.U. Leuven, Leuven – Belgium.

16h25 – 16h45: Glial Notch regulates Drosophila behavior by maintaining adult brain homeostasis.
Patrick Callaerts - VIB Center for the Biology of Disease - Laboratory of Behavioral and Developmental Genetics, K.U. Leuven, Leuven – Belgium.

Closing

Auditorium

16h45 – 17h00: Future directions for Nucleomics Core & Closing remarks.
Peter Verhasselt, Research Manager - VIB Nucleomics Core, Leuven – Belgium.

17h00-18h00: Reception & Sponsor contact.

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