

Friday, 7 November 2014

Welcome and Introduction

Seminar Room, IMB

09:00-09:05	Welcome	John Castle, <i>TRON gGmbH</i>
09:05-09:20	Introduction to IMB	Ralf Dahm, <i>IMB</i>
09:20-09:35	Introduction to TRON	Goran Martić, <i>TRON gGmbH</i>

Session I - NGS (25 min. and 10 min. discussion)

Seminar Room, IMB

09:40-10:15	Valesca Bukur , <i>TRON gGmbH</i>	NGS applications in translational & basic research
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10:15-10:30 Coffee Break

Session I (cont) – NGS–How Does it Work? (30 min. and 15 min. discussion)

Seminar Room, IMB

10:30-11:15	Tina Han , <i>Head of Genomics, IMB</i>	From sample to library to sequencer (methods)
11:15-12:00	Jos de Graaf , <i>TRON gGmbH</i>	Technology platforms & instruments

12:00-13:00 Lunch

Session II – Epigenetics & Gene Regulation

(45 min. and 15 min. discussion/30 min. and 15 min. discussion)

Seminar Room, IMB

13:00-14:00	Vijay Tiwari , <i>Group Leader, IMB</i>	Epigenetics & transcriptional regulation in development & disease
14:00-14:45	Christian Bender , <i>TRON gGmbH</i>	RNA-Seq

14:45-15:00 Coffee Break

Session II (cont) – Epigenetics & Gene Regulation (35 min. and 10 min. discussion)

Seminar Room, IMB

15:00-15:45	Anke Busch , <i>Bioinformatician, IMB</i>	ChIP-Seq
15:45-16:30	Emil Karaulanov , <i>Head of Bioinformatics, IMB</i>	DNA methylomics
16:30-17:15	Nastasja Kreim , <i>Bioinformatician, IMB</i>	Experimental design & quality control

18:30 **Dinner** (students and speakers)

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Saturday, 8 November 2014

Session III – Molecular profiling (20 min. and 10 min. discussion/45 min. and 15 min. discussion)

Seminar Room, IMB

09:00-09:30	Martin Suchan , <i>TRON gGmbH</i>	qPCR
09:30-10:30	Harry Boeltz , <i>Nanostring Technologies GmbH</i>	Gene expression analysis by digital quantification of nucleic acids utilizing a color-coded barcode technology

10:30-10:45 Coffee Break

Session IV – Cancer Vaccines for Glioblastoma (GAPVAC) (30 min. and 15 min. discussion)

Seminar Room, IMB

10:45-11:30	John Castle , <i>TRON gGmbH</i>	GAPVAC: therapeutic vaccines for glioblastoma
11:30-12:15	Martin Löwer , <i>TRON gGmbH</i>	Bioinformatics for individualized vaccines

12:15-13:15 Lunch

Session V – New methods (30 min. and 15 min. discussion)

Seminar Room, IMB

13:15-14:00	Daniel Kunz , <i>TRON gGmbH</i>	Mutation detection using single cell transcriptomics
14:00-14:45	Arbel Tadmor , <i>TRON gGmbH</i>	Bioinformatics for mutation detection

14:45-15:00 Coffee Break

Session V (cont) – NGS for TCR-peptide-MHC studies (30 min. and 15 min. discussion)

Seminar Room, IMB

15:00-15:45	Sebastian Boegel , <i>TRON gGmbH</i>	HLA typing using transcriptome sequencing
15:45-16:30	Tana Omomoko , <i>BioNTech AG</i>	TCR repertoire profiling

16:30-16:45 Wrap-up John Castle / Goran Martić, TRON

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