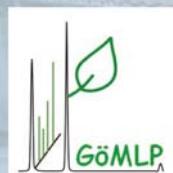




6th Symposium of the Göttingen Proteomics Forum



Integrative Omics - From Data to Biology



November 23, 2017

9:00 a.m. - 5:15 p.m.

at the Max Planck Institute
of Experimental Medicine
Göttingen

Confirmed Speakers:

Asaph Aharoni

Weizmann Institute of Science

Douglas Armstrong

The University of Edinburgh

Jürgen Cox

MPI für Biochemie, Martinsried

Martin Eisenacher

Ruhr-Universität Bochum

Oliver Kohlbacher

Eberhard Karls Universität Tübingen

Bernhard Küster

Technische Universität München



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Program of the GPF Symposium 2017

Integrative Omics - From Data to Biology



09:00-09:05

Opening remarks

Session 1: Biological networks in health and disease

09:05-09:45

Bernhard Küster – Technische Universität München

Chemical proteomics reveals the target landscape of clinical kinase inhibitors

09:45-10:25

Douglas Armstrong – The University of Edinburgh

Network topology analysis reveals substructures within the synaptic proteome that have close association with complex traits

10:25-10:45

Tim Beißbarth – Universitätsmedizin Göttingen

Integrating paired proteomics and transcriptomics data using upstream and downstream analysis

Coffee break

Session 2: Bioinformatic and biostatistic tools

11:15-11:55

Martin Eisenacher – Ruhr-Universität Bochum

Bioinformatics and biostatistics for mass spectrometry-based proteomics

11:55-12:35

Jürgen Cox – Max-Planck-Institut für Biochemie

The MaxQuant and Perseus computational platforms for comprehensive analysis of large-scale (proto)omics data

12:35-12:55

Johannes PC Vissers – Waters Corporation

Peak detecting, de-multiplexing, and searching multidimensional data independent acquisition omics LC-MS data

Lunch break

Session 3: Omics approaches in metabolism

13:55-14:35

Asaph Aharoni – Weizmann Institute of Science

Unravelling solanaceae secondary metabolism through the integration of heterogeneous and spatial data from metabolomics, genetics and informatics

14:35-14:55

Alexander Karabatsiakis – Universität Ulm (Agilent-invited speaker)

Combined metabolite and lipid fingerprinting in women with childhood maltreatment reveals biomarkers linked to inflammation and oxidative stress

14:55-15:15

Kirstin Feußner – Georg-August-Universität Göttingen

Metabolomics meets transcriptomics to unravel the wound response in plants

Coffee break

Session 4: Multi-omics data integration

15:50-16:30

Oliver Kohlbacher – Eberhard Karls Universität Tübingen und Max-Planck-Institut für Entwicklungsbiologie

Going multi-omics – Many issues and (perhaps) a few solutions

16:30-16:50

Philip Stegmaier – geneXplain

Multi-omics "upstream analysis"

16:50-17:10

Jörg Dojahn – Scix

Accelerating biological interpretation through the integration of transcriptomics and proteomics results

17:10-17:15

Closing remarks

Please visit our homepage to view the abstracts of the talks:

<http://www.gpf.gwdg.de/GPF/GPF-events.html>

