

6th Next Generation Sequencing Vienna Symposium & Workshop

Thursday, November 15th, 2018 | 09:00 - 16:30

CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences,
CeMM Lecture Hall, 8th floor, Lazarettgasse 14, AKH BT 25.3, 1090 Vienna

Symposium: Free admission (no registration required)

Workshop: Please register and select your track at <https://cemm.at/ngs/>

For map and directions please visit: <http://www.cemm.at/contact/google-maps>

Symposium on sequencing in biology and medicine 9:00

Elly Tanaka, Research Institute of Molecular Pathology (IMP)

Simon Hippenmeyer, Institute of Science and Technology Austria (ISTA)

Stefan Ameres, IMBA - Institute of Molecular Biotechnology

Florian Grebien, Ludwig Boltzmann Institute for Cancer Research & Vetmeduni Vienna

Eleni Tomazou, St. Anna Children's Cancer Research Center

Ron Pinhasi, Department of Evolutionary Anthropology, University of Vienna



Keynote Lecture Single-cell sequencing of whole organisms 12:50

Robert P. Zinzen, Max Delbrück Center, Berlin Institute for Medical Systems Biology (BIMSB)

Followed by short presentations of the next generation sequencing facilities in Vienna (VBCF and BSF)

Workshop with four parallel tracks 14:30-16:30

1: Getting started with next generation sequencing

- Workflow: Library, sequencing, bioinformatics
- Choosing protocols and sequencing technologies

2: Single-cell sequencing technologies

- Droplet-based vs. plate-based assays
- Study design & bioinformatic data analysis

3: Medical applications of NGS technology

- Gene panels, exomes, genomes, RNA, epigenetics
- Biomarkers, bioinformatic analysis, diagnostics

4: Beyond NGS: Flow and mass cytometry (*)

- Basics of flow cytometry, CyToF, etc.
- Combinations with single-cell sequencing

(*) Special workshop contributed by the Vienna Life-Science Instruments consortium (www.vlsi.at)

Organizers

Christoph Bock, Coordinator of the Biomedical Sequencing Facility (BSF) of CeMM and the Medical University of Vienna, <http://www.biomedical-sequencing.at/>

Andreas Sommer, Coordinator of the NGS unit at the Vienna Biocenter Core Facilities (VBCF), <http://www.vbcf.ac.at/facilities/next-generation-sequencing/>

