

2018 LOUIS-JEANTET SYMPOSIUM

CMU - Centre Médical Universitaire, Rue Michel-Servet 1, 1206 Geneva - Auditorium Alex-F. Müller (A250)

Tuesday, October 09 2018

PROTEOMICS AND STRUCTURAL BIOLOGY

08:15 – 08:50 **Registration and welcome coffee**

08:50 – 09:00 **Henri Bounameaux**

Dean of the Faculty of Medicine, University of Geneva
Opening

SESSION 1

SESSION 1.1: 9:00 - 10:30

Chairperson: **Kurt Wüthrich**

1993 Louis-Jeantet prize-winner
The Scripps Research Institute, La Jolla
Institute of Molecular Biology and Biophysics, ETH, Zürich

Co-chairperson: **Paul Guichard**

Faculty of Science, University of Geneva

09:00 – 09:30 **Richard Henderson**

MRC Laboratory of Molecular Biology, Cambridge
Electron cryomicroscopy: theory and practice

09:30 – 10:00 **Nenad Ban**

Institute of Molecular Biology and Biophysics, ETH, Zürich
Protein synthesis: from ribosome assembly to targeting
of membrane proteins

10:00 – 10:30 **Ian Wilson**

The Scripps Research Institute, La Jolla
Structure-assisted Design of Universal Vaccines and
Therapeutics against Influenza Virus

10:30 – 11:00 **Break**

SESSION 1.2: 11:00 – 12:30

11:00 – 11:30 **Matthias Mann**

Max-Planck Institute for Biochemistry, Munich
Novo Nordisk Foundation Center for Protein Research,
Copenhagen
Proteomics for biological mechanisms and translational
research

11:30 – 12:00 **Paola Picotti**

Institute of Molecular Systems Biology, ETH, Zürich
Probing protein structural changes on a proteome-wide
scale

12:00 – 12:30 **Carol Robinson**

University of Oxford, Oxford
Membrane proteins - the lipid connection

12:30 – 13:45 **Lunch**

SESSION 2

SESSION 2.1: 13:45 – 15:15

Chairperson:

Matthias Mann

2012 Louis-Jeantet prize-winner
Max-Planck Institute for Biochemistry, Munich
Novo Nordisk Foundation Center for Protein
Research, Copenhagen

Co-chairperson:

Denis Hochstrasser

Faculty of Medicine, University of Geneva

13:45 – 14:15 **Chuna Choudhary**

Novo Nordisk Foundation Center for Protein
Research, Copenhagen
Mass spectrometry for cell signaling: from
global maps to new biological insights

14:15 – 14:45 **Martin Beck**

EMBL, Heidelberg

Structural proteomics of the nuclear transport
system

14:45 – 15:15 **Emma Lundberg**

KTH Royal Institute of Technology, Stockholm
Dissecting the spatiotemporal subcellular
distribution of the human proteome

15:15 – 15:45 **Break**

SESSION 2.2: 15:45 – 17:15

15:45 – 16:15 **Frédéric Allain**

Institute of Molecular Biology and Biophysics, ETH,
Zürich

Hybrid structural approaches to solve
structures of protein-nucleic acid complexes

16:15 – 16:45 **Ichio Shimada**

University of Tokyo, Tokyo

Function-related Dynamics of Membrane Proteins

16:45 – 17:15 **Kurt Wüthrich**

The Scripps Research Institute, La Jolla
Institute of Molecular Biology and Biophysics, ETH,
Zürich

NMR, Structural Dynamics and Signal Transfer
of G protein-coupled Receptors (GPCRs)

17:15 – 17:25

Kurt Wüthrich and Matthias Mann

Concluding remarks

17:25

End of the Symposium