



Instruct Biennial Structural Biology Meeting

Meeting Programme

Convitto Della Calza, Florence, Italy
20-22nd May 2015

Scientific Organising Committee:
Lucia Banci, Jose-Maria Carazo, Stephen Cusack,
Joop van den Heuvel, Bram Koster and Gunter Schneider

Day 1: 20th May 2015



Structural biology towards Cellular Biology: Integrating Biology

Chair: Lucia Banci and David Stuart

- 09.00-09.25 **Patrick Cramer**, Max Planck Institute Göttingen, Germany
Structural basis of transcriptional regulation
- 09.30-09.55 **Marc Baldus**, Utrecht, Netherlands
Structural studies of membrane-embedded protein machines by NMR: From lipid bilayers to cells
- 10:00-10:25 **Anastassis Perrakis**, Netherlands Cancer Institute, Netherlands
Knowing when to cross the mitotic checkpoint

10.30-11.00

Coffee

- 11.00-11.25 **Chiara Zucchelli**, S. Raffaele Scientific Institute, Italy
Sp140 and its interaction with chromatin
- 11.30-11.55 **Teresa Carlomagno**, EMBL Heidelberg, Germany
RNA-protein complexes in RNA metabolism: an integrative structural biology approach
- 12.00-12.10 **Presentation of the Ivano Bertini award by Instruct and Bruker**
- 12.10-12.35 **Ivano Bertini Award Talk: Stephen Cusack**, EMBL Grenoble, France
The structure of the influenza virus replication machine: a long time coming but worth waiting for!

12.40-14.00

Lunch

Structural Biology and Health: Current Challenges

Chair: Maria Arménia Carrondo and Gunter Schneider

- 14.00-14.25 **Matthew Bottomley**, GSK Vaccines, Italy
Structural vaccinology
- 14.30-14.55 **Sriram Subramaniam**, NIH, USA
Cryo-electron microscopy comes of age: Applications to molecular pharmacology
- 15.00-15.25 **Eddy Arnold**, Rutgers, USA
HIV-1 reverse transcriptase structure and function: drugs by design and recent innovations

15.30-16.00

Tea

- 16.00-16.25 **Nehar Mortuza**, University of Copenhagen, Denmark
TACC3-XAMP215 interaction reveals an asymmetric association promoting spindle microtubule elongation
- 16.30-16.55 **Helena Käck**, AstraZeneca, Sweden
Current challenges/approaches in drug design in the pharmaceutical industry
- 17.00-19.00 **Poster session & drinks**

20.00

Dinner

Day 2: 21st May 2015



Emerging Technologies in Integrative Structural Biology

Chair: Jose Maria Carazo and Eva Pebay-Peyroula

- 09.00-09.25 **Christos Savva**, MRC-LMB, UK
High resolution Cryo-EM studies at the MRC-LMB: Local setup and examples
- 09.30-09.55 **Christiane Ritter**, Helmholtz, Germany
Structure determination of functional self-replicating protein filaments by solid-state NMR spectroscopy
- 10.00-10.25 **Anne-Claude Gavin**, EMBL Heidelberg, Germany
Lipid-protein interactions

10.30-11.00

Coffee

- 11.00-11.25 **Areej Abuhammad**, SESAME, Jordan
"From one seed a whole handful": homologous proteins as seeds in crystallisation
- 11.30-11.55 **Jan Steyaert**, VIB, Belgium
Nanobody-enabled fragment screening on active-state constrained GPCRs
- 12.00-12.25 **Imre Berger**, EMBL Grenoble, France
Synthetic biology meets Structural Biology: New perspectives and opportunities

12.30-14.00

Lunch

The joint activities and impact of European Biomedical Infrastructures

Chair: Eero Vuorio and Alberto Podjarny

- 14.00-14.25 **Dave Stuart**, Instruct
First research outcomes from Instruct access – proof of principle and future goals
- 14.30-14.55 **Esko Oksanen**, ESS
Structural Biology at the European Spallation Source

15.00-15.30

Tea

- 15.30-15.55 **Giovanni Migliaccio**, EATRIS
EATRIS model for translational medicine and innovation in the ERA
- 16.00-16.25 **John Womersley**, ESFRI & STFC
Structural Biology Infrastructure provision within ESFRI
- 16.30-16.55 **Eero Vuorio**, Biocenter Finland and BBMRI
Instruct and the other BMS ESFRI Infrastructures in the changing European landscape of Research Infrastructures

Close of scientific meeting

Day 3: 22nd May 2015



Instruct Internal Meetings

Instruct Executive Committee Meeting

09.00- 12.30 Instruct Executive Meeting

12.30-14.00 Instruct Council and Executive Committee lunch

Instruct Council Meeting

14.00-17.00 Instruct Council meeting

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