

# BIG DATA FOR SMALL MOLECULE CRYSTALLOGRAPHY

April 13-14, 2015

## Day 1 *ESRF Auditorium*

08:30-09:00 *Registration*

09:00-09:10 *Welcome speech*

09:10-09:50 *Thomas Weber (ETH Zurich, Switzerland)*

Diffuse scattering + big data => big troubles + great data

09:50-10:30 *Stefan Brandstetter (DECTRIS, Switzerland)*

What should we expect from new detectors?

10:30-10:50 *Coffee*

10:50-11:10 *Daniele De Sanctis (ESRF)*

Data flow on Structural Biology beamlines: from sample to structure

11:10-11:30 *Dmitry Chernyshov (SNBL at ESRF)*

PILATUS@SNBL– data collection, processing and analysis

11:30-12:00 *Marek Pasciak (Institute of Physics, Czech Republic)*

Towards quantitative analysis of 3D total scattering

12:00-14:00 *Lunch*

14:00-14:30 *John Wright (ESRF)*

Diffraction tomography and related methods

14:30-14:50 *Arcady Simonov (Rennes, France)*

Data analysis of single crystal diffuse scattering

14:50-15:10 *Andreas Roiten (NTNU, Norway)*

Nebula - Rapid Reconstruction and Visualization of Large Scattering Data

15:10-15:30 *Vadim Dyadkin (ESRF)*

SNBL Toolbox and Bubble: uncorking the Pilatus2M data for users

15:30-16:00 *Coffee*

16:00-16:25 *Alexander Popov (ESRF)*

Automatic data collection at ESRF MX beamlines (I)

16:25-16:50 *Olof Svensson (ESRF)*

Automatic data collection at ESRF MX beamlines (II)

16:50-17:10 *Alexei Bosak (ESRF)*

New diffraction station at ESRF

17:10-17:30 *Wildcard*

17:30-17:40 *Concluding remarks*

## Day 2 *ESRF MD-1-21*

9:00-12:00 *Round table discussions*

12:00-14:00 *Lunch and departure*



Swiss-Norwegian Beam Lines  
at ESRF