

Friday, December 13th, 2013

Emerging approaches in biophysics and structural biology

Auditorium L'Adresse
Musée de La Poste
34, bd de Vaugirard
Paris 15^e

- ▶ 9:00 AM Welcome and Check-in
- ▶ 9:15 AM Introduction, **Dr Jean-Claude Michalski** (Director of the thematic multi-organization institute ITMO BMSV)
- ▶ 9:30 AM New opportunities for structural biology at X-ray free-electron lasers, **Pr Leonard Chavas** (Center for Free-Electron Laser Science (CFEL), Hamburg)
- ▶ 10:15 AM Structure determination of a photosynthetic reaction center by serial femtosecond crystallography, **Pr Gergely Katona** (Department of Chemistry and Molecular Biology, University of Gothenburg)
- ▶ 11:00 AM Coffee break
- ▶ 11:20 AM Structure and dynamics of very large macromolecular systems in biological cells studied at atomic resolution, **Pr Klaus Schulten** (Computational Biophysics, Beckman Institute, University of Illinois)
- ▶ 12:05 AM The Quantum Design of Photosynthesis: Multi-Dimensional Electronic Spectroscopy, **Pr Rienk van Grondelle** (VU-Biophysics research group, VU University, Amsterdam)
- ▶ 12:50 AM Lunch break
- ▶ 2:15 PM New approaches in biostructural EPR: from dynamics to organization in large biomolecular systems, **Dr Bruno Guigliarelli** (CNRS UMR 7281, Aix-Marseille University)
- ▶ 3:00 PM High-speed atomic force microscopy: Assembly, Dynamics and Interactions at the Single Molecule Level, **Dr Simon Scheuring** (Inserm Unit 1006, Aix-Marseille University)
- ▶ 3:45 PM Coffee break
- ▶ 4:05 PM Protein Interaction Networks in Live Cells: who, what, when, where, why and how, **Pr Cathy Royer** (Rensselaer Polytechnic Institute, New York - Inserm, Montpellier)
- ▶ 4:50 PM Spatiotemporal control of neuronal activity by optogenetics and wave front shaping of optical beams, **Dr Valentina Emiliani** (Inserm Unit 603 - CNRS UMR 8154, Université Paris Descartes)
- ▶ 5:35 PM Concluding remarks, **Dr Jean-Claude Michalski**
- ▶ 6:00 PM End of the symposium

Inscriptions: <http://bmsv-biophysic.sciencesconf.org/>

Site Web de l'ITMO: <http://tinyurl.com/IBMSV-aviesan>