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ITMO Molecular and structural bases of living organisms

Emerging approaches in biophysics and structural biology

Friday, December 13th, 2013

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

SYMPOSIUM ITMO MOLECULAR AND STRUCTURAL BASES OF LIVING ORGANISMS

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

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