Challenges in Large Scale Biomolecular Simulations 2019: Bridging Theory and Experiments

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Web site

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This workshop aims to collect several experts in various fields to allow for a wide and up-to-date overview of the current bioinformatics tools and simulation techniques and for a presentation of the most recently available experimental results and experimental methods. The meeting will be an opportunity to build an interdisciplinary community to bring new insights into complex biological systems and to boost the development of an exchange program between Europe and the USA in the framework of this consortium.

Main topics will include

- Force fields
- Sampling methods
- Coarse-gained modling
- Muti-scale modeling
- High resolution experiements
- From molecule to cells
- Low resolution experiments
- Integrating simulations and experiments

Eminent scientists in the field will animate the workshop. These include:

Wolfgang Baumeister (Max Planck Inst Biochemistry), Ramachandra Bhaskara (Max Planck Institute of Biophysics), Alexandre Bonvin (Univ of Utrecht), Frederic Cazals (INRIA Sophia Antipolis), Michael Feig (Michigan State Univ), Peter Freddolino (Univ of Michigan), Helmut Grubmuller (Max Planck Inst of Biophysical Chemistry),Nicolas Leulliot (Univ Paris Descartes), Syma Khalid (Southampton Univ), François Major (Univ de Montréal), Simone Melchionna (CNR Rome), Modesto Orozco (IRB Barcelona), Angelo Rosa (SISSA, Trieste), Karissa Sanbonmatsu (Los Alamos National Labs), Jiri Sponer (Inst, of Biophysics of the Czech Academy of Sciences), Gregory Voth (Univ of Chicago)

Organization Committee

Yassmine Chebaro (Inst de Génétique et de Biologie Moléculaire et Cellulaire, Strasbourg FR), Ivan Coluzza (Center for Cooperative Research in Biomaterials, San Sebastian, ES), Elisa Frezza (Univ Paris Descartes FR), Nicolas Leulliot (Univ Paris Descartes FR), Samuela Pasquali (Univ Paris Descartes FR), Tamar Schlick (New York Univ US), Fabio Sterpone (Inst de Biologie Physico Chimique, Paris FR)

Application and registration

https://cargese2019.sciencesconf.org/
http://195.220.145.251/fr/participation/inscriptions-en-ligne/acces-enregistrement/idecole4/966/
Contact: cargese2019.integrative.modelling@sciencesconf.org
Deadline Application : 2019, 20th January
Registration Fees :