

## HYDROPROT '09

### 1<sup>st</sup> French Symposium on Hydrodynamic Characterization of Biological Macromolecules

Institut Pasteur, Paris

June 29<sup>th</sup> - 30<sup>th</sup> 2009

#### *Call for abstracts*

HydroProt '09 is the first community-building symposium aiming to bring together biophysicists, biochemists and biologists from France and neighbouring countries, both from academic and non-academic institutions, who are strongly interested in the field of **macromolecular hydrodynamics, from aqueous solutions to living cells, and its implications for the understanding of biological processes.**

The **topics** covered by HydroProt '09 are the following:

- Study of the size, shape, volume, mass and hydration of macromolecules in solution or in biological membranes
- Analysis of the architecture and conformational dynamics of molecular assemblies *in vitro* and *in vivo*
- Quantitation of macromolecular diffusion *in vitro* and *in vivo*, and single-molecule tracking

The scientific presentations will resort to a **large range of technologies**, such as:

Analytical ultracentrifugation (AUC), Static light scattering (SLS-MALS), Dynamic light scattering (DLS-QELS), Small-angle X-ray and neutron scattering (SAXS, SANS), Viscometry, Dual polarization interferometry (DPI), Size-exclusion chromatography (SEC), Field-flow fractionation (FFF), Electro-diffusion, Diffusion NMR spectroscopy, Fluorescence recovery after photobleaching (FRAP), Fluorescence anisotropy depolarization (FAD), Fluorescence correlation spectroscopy (FCS), Raster-imaging correlated spectroscopy (RICS), ...

**Keynote speakers** (confirmed): Christine EBEL (Grenoble)  
Didier MARGUET (Marseille)  
Mattia ROCCO (Genova, Italy)  
David J. SCOTT (Nottingham, UK)  
Patrice VACHETTE (Orsay)

We are now **inviting abstracts** from **both junior and senior scientists** interested in the field.  
**The dead-line for abstract submission is March 31<sup>st</sup> 2009** (registration dead-line: June 15<sup>th</sup>)

The Scientific Committee will select 8-10 abstracts for oral presentations.

All other abstracts will be offered a poster presentation.

The conference organization will cover part of the travel expenses of the selected speakers.

The academic registration fee will be of 60 euros.

For further information and guidelines for abstract submission : <http://www.pasteur.fr/hydroprot09>

#### **Scientific organizing committee:**

Patrick ENGLAND, Bertrand RAYNAL and Thierry ROSE (Institut Pasteur)  
Christine EBEL (Institut de Biologie Structurale, Grenoble)