

PSB Science Day

Biophysical Methods

12th December 2008
13:30 - 18:00

ESRF Auditorium

Focusing on:

- Surface Plasmon Resonance (SPR)
- MultiAngle Laser Light Scattering (MALLS)
- Isothermal Titration Calorimetry (ITC)
- Thermofluor Assay

Other biophysical methods will be presented during a second meeting in 2009 if required.

POSTER SESSION:

To stimulate the scientific exchanges between young and senior scientists, a “poster & drink” session will be held at the end of the day. Students and Postdocs should present a poster.

PhD students presenting a poster will receive a credit from the Université Joseph Fourier.

Please send the title of your poster to laurence.serre@esrf.fr before the 26th of November 2008.

If you need an entrance badge, contact in advance Jocelyne Visconti visconti@embl.fr



THE **P**ARTNERSHIP FOR **S**TRUCTURAL **B**IOLGY

PROGRAMME

1. Molecular interactions studied by Surface Plasmon Resonance and Multiangle Laser Light Scattering

(Chair: Dominique Housset, IBS)

- 13:30 - 14:00: Applications of Surface Plasmon Resonance (SPR) in biology.
Recent advances in kinetics, thermodynamics, high throughput screening using SPR arrays.
Sylvie Ricard-Blum
(*Institut de Biologie et Chimie des Protéines, Lyon*)
- 14:00 - 14:30: Examples of results obtained with SPR
Nicole Thielens & Hugues Lortat-Jacob (IBS)
- 14:30 - 15:00: Overview of MALLS technique
Marc Jamin (UVHCI)

15:00 - 15:30: Coffee break + first look at the posters

2. Molecular interactions studied by Isothermal Titration Calorimetry and ThermoFluor Assay

(Chair: Trevor Forsyth, ILL)

- 15:30 - 16:00: General presentation on the ITC technique in biology
Anne Imberty (CERMAV, Grenoble)
- 16:00 - 16:30: Examples of results obtained with ITC
Ganesh Natrajan (ESRF)
- 16:30 - 17:00: ThermoFluor screening for buffer optimisation and ligand-induced protein stabilisation
Darren Hart (EMBL)

17:00 - 18:00: Poster session + drinks

