Practical course
Biophysical characterisation of soluble and membrane proteins by AUC, PAOL, TLC & TSA, and in vitro synthesis

Organisation Christine Ebel 895 70 ; Christine.ebel@ibs.fr

Tutors :   Christine Ebel; Virginia Guillon; Kai Wang
               Cecile Breyton ; Marjolaine Noirclerc & Lionel Imbert

Software/analysis: Sedfit is available free on: http://www.analyticalultracentrifugation.com
Please bring you laptop with Sedfit if you have.

Wednesday June 5th 2013

13H30-14h30: 6230 lab. SSIMPA
- Thin layer chromatography (Cecile Breyton)

14h30-17h: 6230 lab. SSIMPA /AUC Group 1
- Cell montage and starting the experiments (samples of Sarah Mas-y-Mas)
- Filling the request form for the samples to be tested ; calculating vbar M, dn/dc with sedfit/sedterp; density/viscosity of the solvent/sednterp

Thursday June 6th 2013

9-11h : 6230 lab. SSIMPA/AUC: Group 2
- Ending the AUC experiment + zip & transfer data; Cell dismontage/montage and starting the experiments (2nd set of samples of Sarah Mas-y-Mas); Filling the request form for the samples to be tested; calculating vbar M, dn/dc with sedfit/sedterp; density/viscosity of the solvent/sednterp.

11-12h: Salle Algéco
- Lecture: AUC

14-16h: 5212 IBS seminar room
- Analysis of AUC data: demo and practical

16h-17h: 5212 IBS seminar room
- Lecture: SEC-MALLS basis for soluble and membrane proteins
- Analysis of SEC-MALS data: demo

Friday June 7th 2013

9h30-10h: 5212 IBS seminar room
- Lecture: Thermal Shift assay presentation (Marjolaine Noirclerc)

10-11h: Room 5242
- Visit of the In vitro Synthesis Plateform (Lionel Imbert)

11-12h: 6230 lab. SSIMPA/AUC : Group 3
- Ending the AUC experiment + zip & transfer data; Cell dismontage/montage and starting the experiments (3rd set of samples of Sarah Mas-y-Mas)

Participants (practical phases): Possibility of additional participants
Group 1 : Stéphane Renauld; Natalia Zamorano; Beatrice Schaack ;Sarah Mas-y-Mas
Group 2 : Christine Hajjar ; Jaroslav Vorac ; Frank Gabel; Yann-Vaï Le Bihan, Sarah Mas-y-Mas
Group 3 : Sarah Mas-y-Mas, Aleksandra Woznicka, Damien Maurin (à confirmer).