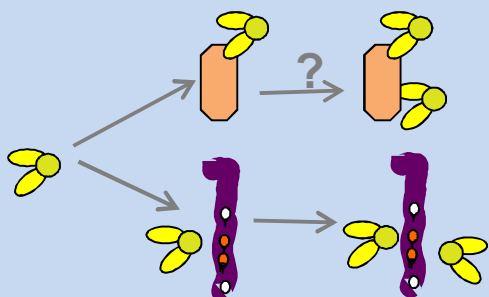


Workshop on Hydrodynamic and Thermodynamic Analysis of Macromolecules with SEDFIT and SEDPHAT



Aims and Topics

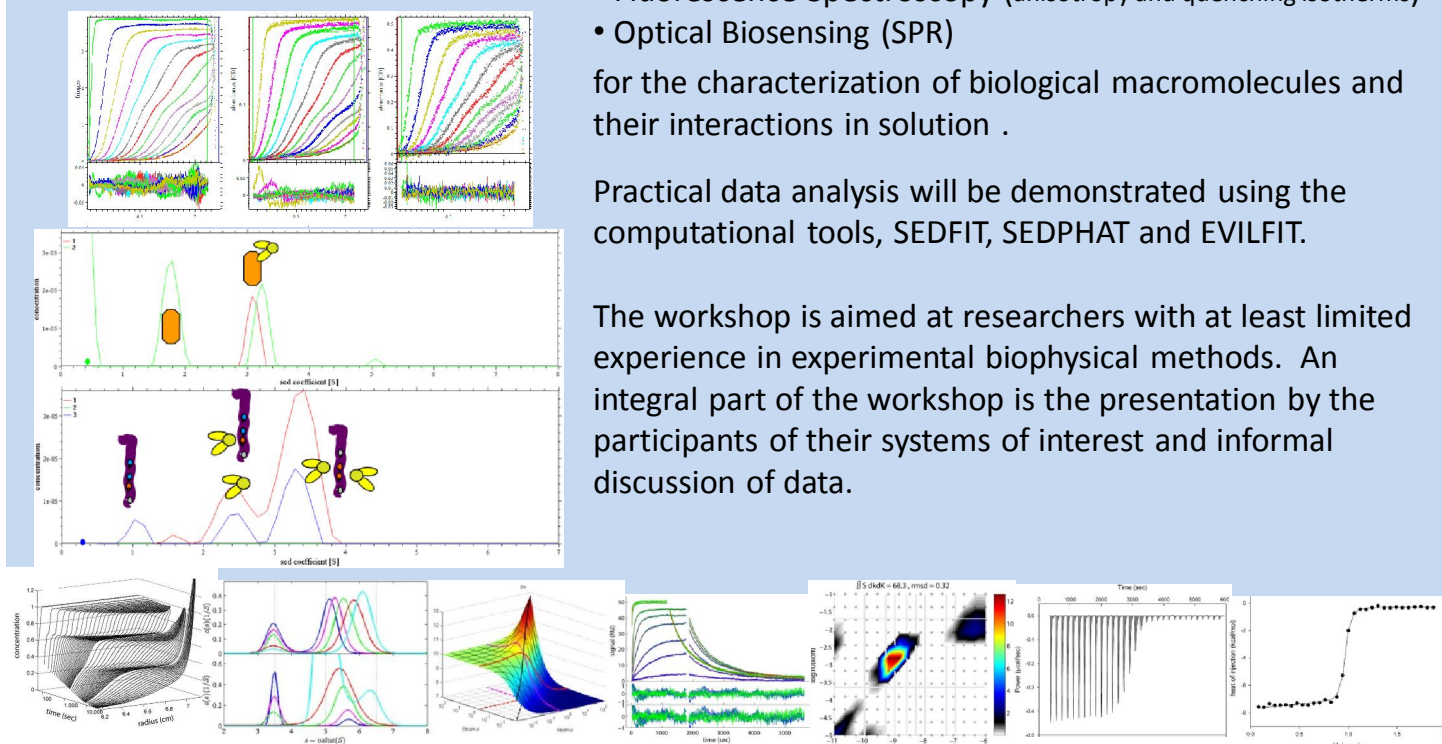
This workshop will review strategies for hydrodynamic and thermodynamic analysis of

- Analytical Ultracentrifugation (AUC)
- Dynamic Light Scattering (DLS)
- Isothermal Titration Calorimetry (ITC)
- Fluorescence Spectroscopy (anisotropy and quenching isotherms)
- Optical Biosensing (SPR)

for the characterization of biological macromolecules and their interactions in solution .

Practical data analysis will be demonstrated using the computational tools, SEDFIT, SEDPHAT and EVILFIT.

The workshop is aimed at researchers with at least limited experience in experimental biophysical methods. An integral part of the workshop is the presentation by the participants of their systems of interest and informal discussion of data.



2012 Workshops

May 14 – 18, 2012, at **National Institutes of Health, Bethesda, U.S.A.**

For detailed information, please contact [Dr. Peter Schuck \(schuckp@mail.nih.gov\)](mailto:schuckp@mail.nih.gov) or see <https://sedfitsedphat.nibib.nih.gov/workshop>

September 8 – 12, 2012 at the **Tokyo Institute of Technology, Japan**

contact [Dr. Fumio Arisaka \(farisaka@bio.titech.ac.jp\)](mailto:farisaka@bio.titech.ac.jp) or [Dr. Susumu Uchiyama \(suchi@bio.eng.osaka-u.ac.jp\)](mailto:suchi@bio.eng.osaka-u.ac.jp)

September 13, 2012 at the **Tokyo Institute of Technology, Japan**

A workshop focused on ITC analysis

contact [Dr. Susumu Uchiyama \(suchi@bio.eng.osaka-u.ac.jp\)](mailto:suchi@bio.eng.osaka-u.ac.jp)

November 28 – 30, 2012 at the **University of Kaiserslautern, Germany**

A workshop focused on multi-method analysis and ITC

contact [Dr. Sandro Keller \(sandro.keller@biologie.uni-kl.de\)](mailto:sandro.keller@biologie.uni-kl.de)

