

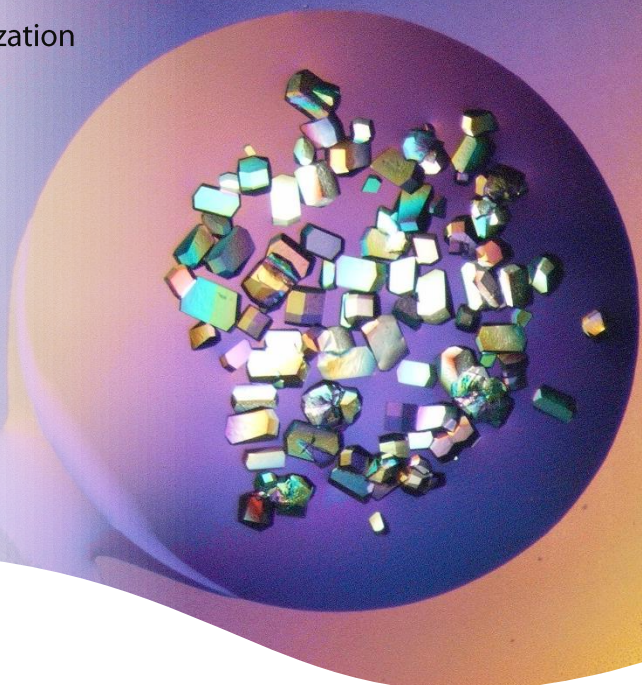
Core Facility Biomolecular Interactions and Crystallization would like to invite you to

Biomacromolecular crystallization workshop

23-26/10/2017

Lectures: A35/2.11

Practicals: A4/2.23



Crystallography:

Crystallization of biomacromolecules (proteins, nucleic acids) and their complexes is a well-established method in 3D structure determination. Since 1970's it resulted in almost 120,000 individual structures (90% of all structures in PDB). Obtaining the crystal is a crucial step of the technique, since macromolecular crystallization is a complex process that is affected (in both positive and negative way) by macromolecule concentration, composition of precipitant solution, technique applied, size/volume of the mixed drop, temperature, impurities, handling, etc.

In this workshop, the attendees should gain the knowledge about various aspects of crystallization as well as about the whole process of structure determination. Practical part (limited to 12 persons) will be focused on real crystallization set-up by several techniques including high-throughput automation.

Confirmed speakers:

Serge Perez (*CERMAV-CNRS, Grenoble, France*)

Clare Stevenson (*UEA, Norwich, UK*)

Gabriel Demo (*UMMS, Worcester, USA*)

Juliette Devos (*ILL, Grenoble, France*)

Terese Bergfors (*UU, Uppsala, Sweden*)

Josef Houser (*CEITEC MU, Brno, CZ*)

Program:

1 st day	Lectures
2 nd day	Practical exercises
3 rd day	Practical exercises
4 th day	Structure solution tutorial

Registration form: [HERE](#)

For more information please contact us: bic@ceitec.cz

