

Practical Protein Crystallization Course

Date: May 4, 2022

Time: 9:00 – 16:00

Venue: Institute of Biotechnology of the Czech Academy of Sciences at BIOCEV, Průmyslová 595, Vestec 252 50

Aim: To provide a basic overview and hands-on experience in methods of protein crystallization available in CMS

Format: Practical hands-on training (room I1.014) and lectures (U1.032 - orange)

Maximum number of participants: 10 (not applicable for lectures)

Programme:

9:00-10:00: **Introduction into crystallization of biomacromolecules** (lecture)

10:00-11:00: Manual setting of crystallization experiments in various plate formats, crystallization seeding

11:00-12:00: Robotic crystallization – crystallization robot demonstration, using of commercial screens, robotic microseeding

Lunch break

13:00-14:00: **Getting most from your crystal screening images and beyond** (lecture)

14:00-15:00: Crystallization hotel – automatic screening, evaluation of crystallization experiments

15:00-16:00: Crystal mounting in loops and vitrification in liquid nitrogen or nitrogen vapors

To apply: <https://forms.biocev.org/index.php/496727?newtest=Y>

Application deadline: April 29, 2022