

XXIV Heart of Europe Bio-Crystallography Meeting

HEC-24

Dolní Vltavice, September 22 - 24, 2022

Organisers:

Ivana Kutá Smatanová, Radomír Kužel

The event is organized by the Faculty of Science, University of South Bohemia in České Budějovice and the Czech and Slovak Crystallographic Association

About HEC

The Heart of Europe Bio-Crystallography Meeting (short HEC-Meeting) is an annual academic conference on structural biology, in particular protein crystallography. Researchers from universities, other research institutions and industry from Austria, Czech Republic, Germany and Poland meet to present and discuss current topics of their research. The talks are predominantly given by PhD students (doctoral students). An exception is the invited HEC lecture, which is held by a renowned scientist of the research field. The format of the HEC meeting has been adopted from the eleven years older Rhine-Knee Regional Meeting on Structural Biology - Wiki (with history https://en.wikipedia.org/wiki/Heart_of_Europe_Bio-Crystallography_Meeting).

The 24th Heart of Europe Bio-Crystallography meeting (HEC24) will take place on the South of Bohemia on the bank of Lipno Lake and near to Sumava mountains in the Hotel Resort Relax at Dolni Vltavice (<http://www.hotelresortrelax.cz>). The HEC24 will be organized by the group of Ivana Kuta Smatanova from the Faculty of Sciences University of South Bohemia Ceske Budejovice.

It is a great honour to welcome Kay Diederichs, the professor of Molecular Bioinformatics at the Department of Biology, University of Konstanz. His main work is focused on structural biology and bioinformatics. He is a co-author of the XDS program package.





Thursday, September 22

NEW GROUP

HYPUSINATION AND BEYOND – PRESENTATION OF NEW HEC GROUP

P. Grudnik

Jagiellonian University, Malopolska Centre of Biotechnology, Kraków, Poland
 przemyslaw.grudnik@uj.edu.pl

In my presentation I will briefly describe current research topics and interests of my group. The presentation is divided into two parts. In the first one I will introduce hypusination which is a unique post-translational modification of translation factor eIF5A (Fig. 1). I will describe our efforts to understand the mechanisms underlying the hypusination and introduce the research toolkit we are using in our research.

The second part will be focused on the activities of Structural Biology Core Facility at MCB (Fig. 2). I will describe the history behind the establishment of our Facility, the current development status and our recent achievements.

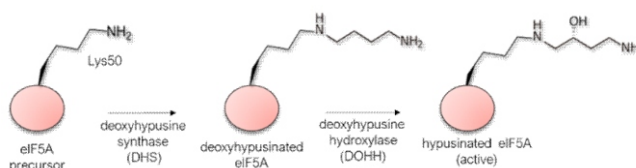


Figure 1. Schematic representation of eIF5A hypusination

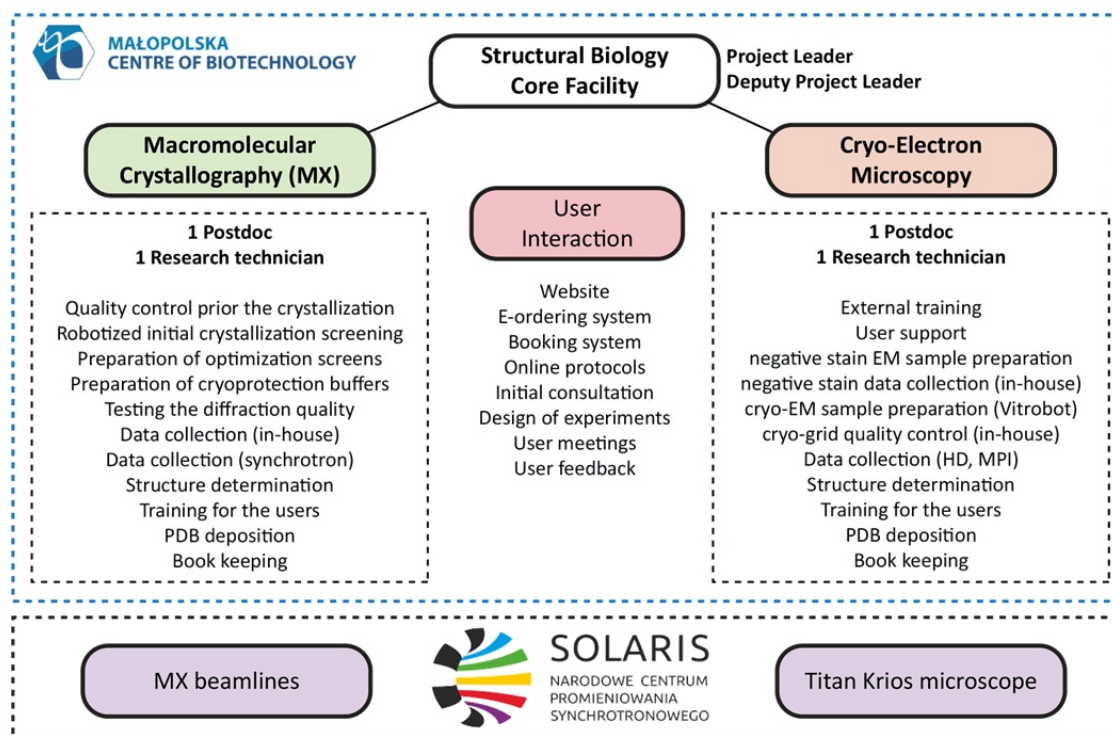


Figure 2. Organizational scheme of Structural Biology Core Facility