

## ICCBM-16

### WELCOME TO ICCBM-16 IN PRAGUE

ICCBM conferences have been organized since 1985 in many countries all over the world. Prague is very proud for hosting the 16th conference to bring experts from different fields interested in the crystallization of biological macromolecules. The topics of the conference aim to cover all aspects of biological crystallogenesi s from basic research on nucleation and crystal growth, to practical developments in crystallization methods and also advanced approaches. The conference is organized by the International Organization for Biological Crystallization and the Czech and Slovak Crystallographic Association.

Crystallography has long and rich tradition in Prague and the region of former Czechoslovakia. It was cultivated in the framework of two principal scientific organizations, Charles University (founded in 1348), and Academy of Sciences (formerly Academy of Sciences and Arts, founded in 1770). We were very happy that Prague has been selected for the ICCBM-16.

Dear colleagues, dear friends, we hope you will spend an illuminating week in Prague and enjoy the science as well as some leisure time in Prague, a town with magnificent history and charm. A tour to Pilsen brewery will also be organized to introduce you our famous beer, a result of a long-lasting scientific tradition.

*Ivana Kutá Smatanová, conference chair*

*Pavlna Řezáčová, conference co-chair*

*Jindřich Hašek, Radomír Kužel, CSCA representatives*

### IOBCr Mission

The **International Organization for Biological Crystallization (IOBCr)** is a non-profit organization that brings together leading experts from the field of biocrystallogenesi s, an experimental scientific discipline that studies the formation and production of crystals of biomolecules. The analysis of these crystals by X-ray diffraction leads to 3D models (or crystal structures) that help scientists to understand how biomolecules in living organisms behave and interact, thus providing a valuable source of information for academic/basic research as well as many industries including material research and drug design. IOBCr was founded in 2002 to form a permanent body to follow-up on the latest advances and developments in biocrystallogenesi s. Its main objective is to promote research, innovation and expansion of new practical applications in the field of biological crystallization. IOBCr regularly organizes the International Conference on the Crystallization of Biological Macromolecules (ICCBM) and supports interdisciplinary workshops and summer schools that foster discussion, collaboration and knowledge transfer between (bio-)crystallographers, (bio-)chemists, (bio-)physicists, and engineers.

### IOBCr Conferences

The International Conference on the Crystallization of Biological Macromolecules (ICCBM) is a bi-annual event that covers all aspects of biological crystallogenesi s from basic research in nucleation and crystal growth to development of new crystallization methods and advanced approaches directly addressing specific structural biology issues (i.e. microgravity, miniaturization, high throughput technologies). Since the first meeting in 1985, the ICCBM have attracted experts from various fields of science and engineering creating a scientifically rich and thought provoking environment for interdisciplinary group dialogues and impactful workshops. ICCBM proceedings are published as special issues of high impact scientific journals focusing on crystallography (IUCr Journals, Journal of Crystal Growth, Crystal Growth & Design). Each conference is preceded by a practical workshop that allows young researchers (PhD candidates, post-doctoral fellows) and 'newbies' in the field to meet a panel of specialists and learn about the state-of-the-art crystal growth strategies.

### IOBCr Leadership

The IOBCr Executive Committee (IOBCr EC) consists of the president, vice-president, secretary, treasurer and two board members. IOBCr EC works together with the IOBCr Council Members and actively contributes to the organization of international workshops and summer schools. The development of a web-based platform facilitating the exchange of data and ideas in biocrystallogenesi s is one of IOBCr's main new initiatives aimed at making the knowledge and latest advances in this field easily accessible to the scientific community.



**IOBCr**  
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Organization for  
BIOLOGICAL  
CRYSTALLIZATION

Learn more about IOBCr at [www.iobcr.org](http://www.iobcr.org)