

International School on Biological Crystallization

The 'Laboratorio de Estudios Cristalográficos' is pleased to announce the

9th International School on Biological Crystallization (ISBC2026) Granada, October 4th to 9th, 2026

The aim of the School is to introduce all participants into the fundamental knowledge about the behaviour of crystallizing solutions and their applications to the field of **of biologics, including peptides, with a strong emphasis on pharmaceutical and industrial applications.**

Particular attention will be given to protein crystallization as a **downstream purification process**, positioning it as an alternative to chromatographic techniques, with attention to **scalability and the role of crystallization in enabling efficient and sustainable biomanufacturing.**

ISBC2026 is intended for postgraduate/postdoctoral students and research scientists from industrial and academic backgrounds

This School is sponsored by the IUCr and the GE3C



International School on Biological Crystallization

School Topics

- ▣ Nucleation: Classical and non-classical approaches
- ▣ Crystal growth kinetics and mechanisms
- ▣ Impurities in protein crystallization: definition and influence
- ▣ Screening: The search for crystallization conditions
- ▣ Crystallization techniques: Batch, Vapour and Counter Diffusion, MMS, How do they work?
- ▣ Crystallization and diffusion transport: gels, microfluidics and microgravity
- ▣ Crystallization at large scale for pharma and industrial application
- ▣ *In vivo* crystallization
- ▣ Serial crystallography
- ▣ Polymorphism in protein crystals
- ▣ Membrane Protein Crystallization
- ▣ AI & ML in protein crystallization prediction

Demonstration Fair

Practical training will be organised in our innovative and lively format "Practical Buffet".

A number of stands will simultaneously offer short practical sessions carried by specialists at scheduled times.

Arrange your own Practical Training!

ISBC 2026 is supported by the
International Union of Crystallography

Invited Speakers

(This list is provisional, check the updated list on our webpage)

- Bernhard Rupp**, k. k. Hofkristallamt, USA
- Daniela Tesekova**, UCTM, Bulgaria
- Dominique Maes**, VUB, Belgium
- Martin Caffrey**, Trinity College Dublin, Ireland
- Filipa Castro**, U. Minho, Portugal
- Simon Kuhn**, KUL, Belgium
- Juan Ma. García-Ruiz**, DIPC, Spain
- Jerry Heng**, ICL, UK
- Ricardo Pereira**, U. Minho, Portugal
- Nadine Candoni**, CINaM-CNRS, Marseille, France
- José A. Gavira**, LEC, IACT-CSIC, Spain
- Clara Anduix**, JANSSEN, Belgium
- Wim De Malsche**, VUB, Belgium
- Sergio Martínez**, University of Granada, Spain
- Ivana Kuta Smatanova**, Univ. of South Bohemia, Czech Republic
- Patrick Stuard**, Douglas Instruments, UK
- Botond Szilágyi**, BME, Hungary
- Fermin Otálora**, LEC, IACT-CSIC, Spain
- Eva Pusztai**, BME, Hungary
- Simon Tanley**, MD, UK
- Cláudia Galinha**, NOVA, Portugal
- Alexey Rak**, SANOFY, France
- José Manuel Martín-García**, IQBC, CSIC, Spain
- Christos Xiouras**, JANSSEN, Belgium
- Tiziano Sanvito**, EOS, Italy
- Bart Rimez**, Secoya, Belgium
- Isaac Rodríguez**, CNRS, Toulouse, France
- Pavlna Řezáčová**, University of Prague, Czech Republic
- Lars Redecke**, University of Lübeck, Germany
- Romain Grossier**, CINaM-CNRS, Marseille, France

