ISBC2023 Granada (International Doctoral School on Biological Crystallization)

- **International School on Biological Crystallization website**

Descripción de la actividad

The whole series of ISBC and ISC are sponsored by the International Union of Crystallography (IUCr), The University of Granada, The Specialized Group of Crystallography and Crystal Growth (GE3C) and the Regional Delegation of the of the Spanish Royal Society of Chemistry and AUSE, the Association of the Spanish Synchrotron Users".

The aim of the Doctoral School is to introduce all participants into the fundamental knowledge about the behavior of crystallizing solutions and their applications to the field of biological crystallization, including large crystals for neutron diffraction and tiny crystals for XFEL or EM. More than 25 live practical demonstrations on crystal growth techniques!!

One day will be fully devoted to case studies on the crystallization of membrane proteins, viruses, large macromolecular complexes, and sample preparation for cryoEM.

Get the most out of it within a friendly atmosphere by interacting with other students and 25 outstanding lecturers!!

Dirigido a

ISBC2023 is intended for postgraduate/postdoctoral students and research scientists from industrial and academic backgrounds.

Fecha

Del 21 al 26 de mayo de 2023

Número de plazas ofertadas

85 students maximum

Lugar de celebración

The venue will take place at Hotel Nevada Palace. Granada

Responsable

- Prof. Juan Manuel García Ruiz; --LOGIN--81164be067b9b341c759ccdbba130bc3ugr[dot]es
- Dr. José Antonio Gavira Gallardo; --LOGIN--880dcc3c94c18cc1cb667538fa67c665ugr[dot]es

Comité organizador

- Prof. Juan Manuel García Ruiz; Director (LEC, IACT, CSIC-UGR)
- Dr. José Antonio Gavira Gallardo; Director (LEC, IACT, CSIC-UGR)
- Dr. Sergio Martínez Rodríguez (Universidad de Granada)

Fuente: https://escuelaposgrado.ugr.es/doctorado/escuelas/escuelasdeverano/2023/idss_2023/biological_crystallization

- Dr. Alfonso García Caballero (LEC, IACT, CSIC-UGR)
- Dr. Luis González-Ramírez (LEC, IACT, CSIC-UGR)
- Dr. Cristóbal Verdugo Escamilla (LEC, IACT, CSIC-UGR)
- Dr. Mª Ángeles Hernández Hernández (LEC, IACT, CSIC-UGR)
- Pro. Concepción Jiménez López, (Universidad de Granada)
- Dr. Valeria Risso (Universidad de Granada)
- Dr. Ivana K. Smatanova, University of South Bohemia, Czech Republic.
- Pavlina Rezacova, Institute of Organic Chem. and Biochem. of the CAS, Praga, Czech Republic.
- Prof. Bernhard Rupp, Medical University Innsbruck, Innsbruck, Austria.
- Dr. Terese Bergfors, Uppsala University, Sweden.
- Prof. Giuseppe Falini, Universidad de Bolonia, Bolonia, Italia.
- Dr. Janet Newman, UNSW Sydney, Australia.
- Dr. Joseph Ng, University of Alabama in Huntsville, Alabama, USA.
- Dr. Abel Moreno, Universidad Autónoma de México, México.

Grupo/s implicados/profesorado

Grupos implicados:

- Laboratorio de Estudios Cristalográficos (LEC, IACT, CSIC-Universidad de Granada).
- Unidad de Excelencia Química de la UGR.
- Dpto. de Química-Física, Facultad de ciencias, UGR.
- Dpto. de Bioquímica Y Biología Molecular III E Inmunología, Facultad de Medicina, UGR.
- Dpto. de Microbiología, Facultad de ciencias, UGR.
- Master en Biotecnología de la UGR.

Profesorado:

- Bernhard Rupp, k. k. Hofkristallamt, US.
- Terese Bergfors, Uppsala University, Sweden.
- Janet Newman, UNSW Sydney, Australia.
- Martin Caffrey, Trinity College Dublin, Ireland.
- Petra Fromme, Arizona State University, US.
- Juan Manuel Garcia-Ruiz, IACT, CSIC-UGR, Spain.
- Jeroen Mesters, University of Lüebeck, Germany.
- Marc Pusey, iXpressGenes, Huntsville, US.
- Naoko Mizuno, NHLBI/NIH, Bethesda, US.
- José A. Gavira, IACT, CSIC-UGR, Spain.
- Hudel Luecke, University of Oslo, Norway.
- Brent Nannenga, Arizona State University, US.
- Sergio Martínez, UGR, Spain.
- Ivana K. Smatanova, University of South Bohemia, Czech Republic.
- Claude Sauter, IBMC, CNRS, France.
- Christian Betzel, University of Hamburg, Germany.

- Fermin Otálora, IACT, CSIC-UGR, Spain.
- Guillermo Calero, University of Pittsburg, US.
- Christian Biertümpfel, NHLBI/NIH, Bethesda, US.
- Edward H. Snell, Hauptman-Woodward Institute, Buffalo, US.
- May Marsh, Swiss Light Source at Paul Scherrer Institut, Swiss.
- Jose Manuel Martin-Garcia, IQFR, CSIC, Spain.
- Joseph Ng, University of Alabama, US.
- Eva Cunha, University of Oslo, Norway.
- Monica Budayova-Spano, Université Grenoble Alpes, France.
- Crissy Tarver, Stanford University, US.
- Pavlina Rezacova, Institute of Organic Chem. and Biochem. (CAS), Praga, Czech Republic.
- Lars Redecke, University of Lüebeck, Germany.
- Tom Peat, UNSW Sydney, Australia.
- Filipa Castro, Universidade do Porto, Portugal.
- Isaac Rodríguez, CNRS, Toulouse, France.

Patrocinadores

- Unión Internacional de Cristalografía (IUCr).
- Asociación Europea de Cristalografía (ECA).
- Real Sociedad Española de Química (RSEQ).
- Grupo Especializado de Cristalografía y Crecimiento Cristalino (GE3C).
- Asociación Española de Usuarios de Sincrotrón (AUSE).
- Empresas (Bruker, Grontal, Douglas, XtalConcept).
- Programa de Doctorado en Bioquímica y Biología Molecular de la UGR.