

Workshop on “Advanced Functional nanocomposites by cooperative self-assembly (NANOITSELF)”

Institute for Advanced Chemistry of Catalonia (IQAC), CSIC
Jordi Girona, 18-26, 08034 Barcelona

5th July, Room B

10:00-10:05. Welcome.

10:05-10:40. *"A journey to molecular memories using hybrid organic-inorganic surfaces based on electroactive organic compounds"*

Prof. Jaume Veciana, Institut de Ciència de Materials de Barcelona (ICMAB), CSIC.

10:40-11:15. *"Self-assembly and properties of mesostructured inorganic-organic materials containing photo-responsive guests"*

Prof. Brad Chmelka, University of California Santa Barbara (UCSB).

11:15-11:30. Coffee Break.

11:30-12:05. *"Interactions and distributions of conjugated molecules in mesostructured block-copolymer/titania hybrid materials"*

Mr. Justin Jahnke, University of California Santa Barbara (UCSB).

12:05-12:55. *"Self-assembled mesostructured inorganic-organic materials for photovoltaic applications"*

Prof. Gitti Frey, Ms. Tamar Segal-Peretz, Israel Institute of Technology (Technion).

12:55-13:30. *"Understanding self-assembly of superparamagnetic colloidal dispersions"*

Dr. Jordi Faraudó, Institut de Ciència de Materials de Barcelona (ICMAB), CSIC.

13:30-15:00. Lunch.

15:00-15:35. *"Chromonic lyotropic self assembly and mineralization"*

Dr. Carlos Rodríguez, International Iberian Nanotechnology Laboratory (INL), Braga (Portugal)

15:35-16:10. *"Large-Scale Monte-Carlo Modeling of Organic Monolayer Self-Assembled on Surfaces"*

Dr. Thomas Roussel, Dr. Lourdes Vega, Institut de Ciència de Materials de Barcelona (ICMAB), CSIC.

16:10-16:25. Coffee break.

16:25-17:00. *"Computer simulations of self-assembling hexagonal and cage-like ordered mesoporous materials with one or two functional groups"*

Dr. Alessandro Patti, Institut de Química Avançada de Catalunya (IQAC), CSIC.

17:00-17:35. *"Preparation of nanostructured materials using colloidal systems as templates"*

Dr. Jordi Esquena, Institut de Química Avançada de Catalunya (IQAC), CSIC.

17:20. Closing remarks