



DYNANO-GLYCOPHARM

Biological Research Centre (CIB) - CSIC, Madrid
September 30 – October 2, 2013

Summer School



September 30

- 12.00 – 12.15 **Welcome**, Jesús Jiménez-Barbero and María Jesús Martínez, *Biological Research Centre, CSIC, Madrid*
12.15 – 12.35 **Presentation of DYNANO**, Mihai Barboiu, *European Membrane Institute, CNRS, Montpellier*
12.35 – 12.55 **Presentation of GLYCOPHARM**, Dolores Solís, *Institute of Physical Chemistry "Rocasolano", CSIC, Madrid*
Special Session on Women in Science
14.30 – 15.15 **Women in Science: The Way Forward and the Curies' Lessons**, Flora De Pablo, *Biological Research Centre, CSIC, Madrid*
15.15 – 16.00 **Land without Evil: Chemistry Can Change the World**, Pilar Mateo, *Inesfly Corporation SL, Valencia*
16.30 – 17.15 **Computational Investigations into Molecular Recognition Processes. Galectins and Toll-like Receptors**, Sonsoles Martín-Santamaría, *Faculty of Pharmacy, CEU San Pablo University, Madrid*
17.15 – 18.00 **Novel NMR Methodologies: New Perspectives on Structural Biology**, M^a Angeles Canales, *Medicinal Chemistry Lab, Complutense University, Madrid*

October 1

- 09.30 – 10.15 **Exploring Pathogen-Host Interactions Using Microarrays**, M^a Asunción Campanero-Rhodes, *Institute of Physical Chemistry "Rocasolano", CSIC, Madrid*
10.15 – 11.00 **Novel Electrochemical Platforms as Promising Alternatives for Cancer Biomarkers and Bacteria Determination**, Susana Campuzano, *Faculty of Chemistry, Complutense University, Madrid*
11.30 – 12.15 **Optical and Electrical Biosensing Platforms for Cells Monitoring and Detection**, Mihaela Gheorghiu, *International Centre of Biodynamics, Bucharest*
12.15 – 13.00 **Colloidal Metal Nanoparticles. Synthesis and Sensing Applications**, Luis Liz Marzan, *CIC biomaGUNE, San Sebastián*
14.30 – 17.30 **Visit to CIB labs: NMR, X-ray crystallography, electron microscopy and analytical ultracentrifugation/light scattering**

October 2

- 09.30 – 10.15 **Extracellular Vesicles, Emerging New Players in Inflammation**, Edit Buzas, *Department of Genetics, Cell- and Immunobiology, Semmelweis University, Budapest*
10.15 – 11.00 **A Little of Chemical Biology for Medicinal Chemistry**, M Luz López-Rodríguez, *Medicinal Chemistry Lab, Complutense University, Madrid*
11.30 – 12.15 **Development of Micro and Nanocarriers as Strategy to Improve Handling and Pharmacokinetics of Antitumor Drugs**, Ana Isabel Torres, *School of Pharmacy, Complutense University, Madrid*
12.15 – 13.00 **Using Magnetic Nanoparticles to Kill Selectively Cancer Cells**, Rodolfo Miranda, *IMDEA-Nanoscience, Madrid*
14.30 – 15.15 **Membrane – Protein Interactions in Bioprocessing**, Joao Crespo, *Faculty of Sciences and Technology, Universidade Nova de Lisboa, Lisbon*
15.15 – 16.15 **Perspectives in Chemistry: From Supramolecular Chemistry to Adaptive Chemistry**, Jean-Marie Lehn, *Institute of Supramolecular Science and Engineering, University of Strasbourg, Strasbourg*
16.45 – 17.45 **Open discussion with Jean-Marie Lehn, "Nobel Price Chemistry, 1987"**

People interested in attending any presentation, please contact with: bmorales@iqfr.csic.es and jjbarbero@cib.csic.es