

SEMINARIOS CIC BIOMAGUNE 2009

ENERO

16/01/09

"Nanobiosensor "lab-on-a-chip" platforms for ultrasensitive, label-free and real-time diagnostics"

Prof. Laura M. Lechuga. Nanobiosensors and Molecular Nanobiophysics Group.
Research Center on Nanoscience and Nanotechnology (CIN2: CSIC-ICN)
and CIBER-BBN, Barcelona, Spain.

22/01/09

"Responsive polyelectrolyte brushes"

Dr. Oleg V. Borisov. (Institut Pluridisciplinaire de Recherche sur l'Environnement et les Matériaux, Pau, France)

FEBRERO

23/02/09

α,γ -Cyclic Peptide Nanotubes. A "*Prêt-à-porter*" Approach towards functionalized nanotubes

Prof. Juan R. Granja (Department of Organic Chemistry, University of Santiago de Compostela, Spain)

ABRIL

08/04/09

"Integration of imaging, modeling and simulation: Towards the VPH in the clinics".

Dr. Alejandro Frangi (Center for Biomedical Imaging & Simulation Technologies in Biomedicine Universitat Pompeu Fabra, Barcelona, Spain)

MAYO

06/05/09

"Membranes as two-dimensional aggregation templates in amyloidogenic diseases: a biophysical solid state NMR approach"

Dr. Gerhard Gröbner (Department of Chemistry, Umeå University, Sweden)

15/05/09

"Force-induced destabilization of adhesion complexes at defined bond periodicity"

Dr. Alex de Beer ()

15/05/09

"In search of structure and functionality of a new liver cancer medicine"

Dr. Sylvie Roke (Max Planck Institute for Metals Research, Stuttgart, Germany)

19/05/09

“The influence of Nanoparticles on the Function of Platelets”

Dr. Hans Bäumler (Center for Tumor Medicine, Berlin-Brandenburg Center for Regenerative Therapies, Charité – Universitätsmedizin Berlin, 10117-Berlin, Germany).

22/05/09

“New developments and opportunities for diagnostics using biosensors”

Prof. M.-Pilar Marco (Applied Molecular Receptors Group (AMRg). Advanced Chemical Research Institute of Catalonia of the Spanish Council for Scientific Research. (IQAC-CSIC)

26/05/09

“From images to understanding – applying cryo-electron tomography from nano-chemistry to the cell”

Dr. Olivier Lambert (IECB/University Bordeaux I, France)

27/05/09

“Bioengineering biomimetic membranes: combining s-layer technology, polyelectrolyte multilayers and lipids”

Mihaela Delcea.

JUNIO

05/06/09

“Nanostructures based on viruses and on electrospun peptides”

Dr. Alexander M. Bittner (CIC nanoGUNE)

18/06/09

“Application of imaging tools in stroke research”

Dr. Anna M. Planas (IIBB-CSIC, Hospital Clinic, IDIBAPS, Barcelona)

26/06/09

“Nanotechnological toolkits for multi-modal disease diagnostics and treatment monitoring”

Dr. Igor Nabiev and Alena Sukhanova (Laboratory of Nano-Bio Energy Conversion and Vectorisation, CIC nanoGUNE, San Sebastian - Donostia, Spain)

JULIO

03/07/09

“Molecular Imaging of inflammation and immune depression after cerebral ischemia”

Dr. Abraham Martin, PhD (I2BM-CEA. SHFJ. Orsay. France)

16/07/09

“Polysaccharide-protein networks in ovulation and inflammation”

Professor Anthony J. Day (Wellcome Trust Centre for Cell-Matrix Research, Faculty of Life Sciences, University of Manchester, UK)

AGOSTO

05/08/09

“Chemical catalytic reactions for the sequence specific detection of nucleic acids”
Dr. Andriy Mokhir (Anorganisch-Chemisches Institut, Ruprecht-Karls-Universität Heidelberg, Germany)

25/08/09

“New approaches for ¹¹C-c bond forming methodology”
Dr. Koichi Kato (Senior Researcher, National Institute of Radiological Sciences, Chiba – Japan)

SEPTIEMBRE

24/09/09

“Lipid asymmetry in eukaryotic cells. How do we know. Why is it useful for a cell activity. Facts and speculations »
Dr. Philippe F Devaux (Institut de Biologie Physico-chimique y Université Paris, Francia)

OCTUBRE

06/10/09

“Early detection of Alzheimer’s disease through molecular imaging of zinc binding to amyloid beta and two related projects”
Dr. Marcin Balcerzyk (Unidad de Cartografía Cerebral, Instituto Pluridisciplinar, Universidad Complutense de Madrid, Madrid)

15/10/09

“Insertion of Lactose Permease of Escherichia coli in planar bilayers: AFM studies”
Dr. Jordi Hernández-Borrell (Departament de Fisicoquímica, Facultat de Farmàcia, Universitat de Barcelona)

22/10/09

“Biological membranes: elasticity, shapes and structural rearrangements”
Dr. Michael Kozlov (Department of Physiology and Pharmacology, Faculty of Medicine, Tel Aviv University, Ramat Aviv, Israel)

NOVIEMBRE

12/11/09

“Acoustic wave sensors and their application to biophysical studies and biotechnology”
Dra. E. Gizeli (IMBB-FORTH & Dept. of Biology, Univ. of Crete, Greece)

19/11/09

“Combining self-assembly systems with nanotechnology and electronics for biomedical applications”

Prof. Janos Vörös (Laboratory of Biosensors and Bioelectronics ,Institute for Biomedical Engineering, ETH Zurich, Switzerland)

26/11/09

"Hyaluronan receptors - on/off switches in matrix binding and leukocyte trafficking?"

Prof. David G. Jackson (MRC Human Immunology Unit, John Radcliffe Hospital, Oxford, UK)

27/11/09

“The role of MRI in Molecular Imaging applications to animal models of disease”

Dr. Pedro Ramos Cabrer (Laboratorio de Investigación en Neurociencias Clínicas, Hospital Clínico Universitario de Santiago de Compostela)

DICIEMBRE

03/12/09

“A novel AFM-MEA Platform for studying the real time mechano-electrical behavior of cardiac myocytes”

Dr. Roberto Raiteri (Department of Biophysical and Electronic Engineering, Università degli Studi di Genova, Genova, Italy)

11/12/09

“Neuroimaging at the dawn of integrative brain function: PET/CT studies on avian embryos”

Dr. Evan Balaban, (Behavioral Neurosciences Program, McGill University, Canada)

15/12/09

"Nanotube, Nanoneedle and Nanomeniscus: mechanical and wetting properties of modified AFM tip"

Jean-Pierre Aimé (CNRS-Université Bordeaux1, FRANCE)