

Nanobiomaterials

Time	Day 1 - Saturday February 16th	
16.00 - 17.00		Registration
		Discussion Leader - Sara A Bilmes
17.30 - 18.15	Prof. Maria Vallet	Mesoporous nanoparticles: Their projection in nanomedicine.
18.15 - 18.45	Prof. Yoann Roupioz	The use of surface plasmon resonance for imaging biological events occurring on a biosensor
18.45 - 19.15	Prof. Samuel Bader	Spintronics - Implications for Energy, Information and Medical Technologies
19.15 - 19.45	Dr. Irena Milosevic	Shape and Size Tunable Magnetic Nanoparticles for Biomedical Applications: improvement of magnetic detection, surface functionalization and nanoprobe
19.45		Dinner
	Day 2 - Sunday February 17th	
		Discussion Leader - Maria Luisa Gubieda
8.15 - 9.00	Prof. Gil Lee	Synthesis and Application of Multifunctional Nanorods to Molecular Imaging
9.00 - 9.30	Prof. Tijana Rajh	Light Active Biofunctionalized TiO ₂ Based Nanocomposites
9.30 - 10.00	Dr. Marie-Helene Delville	Qualitative and quantitative aspects of titanium oxide nanoparticles fate and toxicity in skin cells and multicellular living specimens
10.00 - 10.30	Dr. Mariana Varna	In vivo distribution of nanoparticles in preclinical models
10.30 - 11.00	Prof. Kim Hwan Myung	In Vivo Imaging of Beta Amyloid Plaques with a Two-Photon Fluorescent Probe
11.00 - 11.30	Prof. Igor Chourpa	On The Theragnostic Potential Of PEGylated Magnetic Nanovectors Of Doxorubicin
11.30 - 11.45		Coffee Break
		Discussion Leader - Marc Meunier
11.45 - 12.30	Prof. Ken Dawson	Nanoscale interface between engineered matter and living organisms: Understanding the biological identity of nanosized materials.
12.30 - 13.00	Prof. Robert Latour	Protein-Nanoparticle Interactions at the Atomistic Scale
13.00 - 16.20		Lunch And Free Time
		Discussion Leader - Irena Milosevic
16.20 - 17.00	Dr. Alessandra Roncaglioni	Exploration of QSAR application in the "nano" field.
17.00 - 17.30	Prof. Challa Kumar	Recognition of metastatic tumor cells using Nanomaterials-Future trends in Nanomaterials design
17.30 - 18.00	Prof. Sara A Bilmes	Nanostructured Materials with biological activity

18.00 - 18.45		Coffee Break
18.45 - 20.30		Poster Session
20.30		Dinner
	Day 3 -Monday February 18th	
		Discussion Leader - Ken Dawson
8.15 - 9.00	Prof. Richard W Siegel	Nanostructure - Biomolecule interactions: The keys to improved nanobiomaterials.
9.00 - 9.30	Prof. Silvana Fiorito	Electrochemical properties of CNTs play a key role at the interface between carbon nanotubes and the biological microenvironment
9.30 - 10.00	Prof. Paula Mendes	Smart Nanostructured Surfaces as Powerful Tools for Biomedical Applications
10.00 - 10.30.	Maria Luisa Fdez-Gubieda	Magnetic nanoparticles from magnetotactic bacteria: the process of biomineralization
10.30 - 11.00	Tomaso Zambelli	Controlled release from vesicles and the Fluid FM hollow pyramid
11.00 - 11.15		Coffee Break And Group Photo
		Discussion Leader - Mariana Varna
11.15 - 11.45	Prof. Maria-Antonietta Ricci	Water anomalies and quantum effects
11.45 - 12.05	Jonathon Hauser	Toxicology and Localisation Study of a Polymer Nanoparticle Delivery System
12.05 - 12.25	Stephanie Tomcin	Targeting mitochondria using biodegradable PBCA nanocapsules as carrier for oligonucleotides
12.25 - 12.45	Alistair Philpott	The Aggregation of Hydroxyapatite Nanoparticles and its effect on Unregulated Cellular Uptake and Toxicity
12.45 - 16.15		Lunch And Free Time
		Discussion Leader - Paula Mendes
16.15 - 17.00	Prof. Nick Quirke	The interaction of nanoparticles with water and lipids – Nanoparticles in Biological systems
17.00 - 17.30	Prof. Alexander Rabinovich	Effect of lipid unsaturation on lipid bilayer properties: A molecular dynamics simulation study
17.30 - 18.00	Prof. Manu Barandiaran	Simulation of magnetic nanoparticles' behavior
18.00 - 18.30	Dr. Vladimir Lobaskin	NP-glycocalyx interaction under flow
18.30 - 18.45		Coffee Break
		Discussion Leader - Gil Lee
18.45 - 19.15	Prof. Alexander Lyubartsev	Multiscale modeling of biomolecular systems
19.15 - 19.45	Dr. Marc Meunier	D.O.S. Studies of Polymer Nanocomposites Interfaces
19.45 - 20.15	Jonathan Smith	Characterisation of NanoBioMaterials using Nanoparticle Tracking and Analysis (NTA)
20.15		Dinner

Day 4 - Tuesday February 19th		
		Discussion Leader - Maria Antonietta Ricci
9.00 - 9.45	Prof. Marie-Louise Saboungi	Nanoparticles and drug delivery
9.45 - 10.30	Prof.Srinivas Sridhar	Nanoplatforms for Personalized Medicine
10.30 - 10.45		Coffee Break
10.45 - 11.15	Prof Thanh TK Nguyen	Functionalisation of Nanoparticle for Clinical Application: What Are The Challenges?
11.15 - 11.45	Dr Sebastian Thompson	Green Fluorescent Protein as a thermo probe for in vitro and in vivo intracellular temperature measurement.
11.45 - 12.05	Tilman Schuster	Enzyme replacement therapy of Metachromatic Leukodystrophy: Nanoparticles for delivery of Arylsulfatase A across the Blood-Brain Barrier
THIS SCHEDULE IS BASED ON THE MOST UP TO DATE INFORMATION AVAILABLE AND IS SUBJECT TO CHANGE		