

SMART NANO-OBJECTS FOR ALTERATION OF LIPID BILAYERS

SNAL
Marie Curie ITN Network

ITN-SNAL.NET

AS A PART OF
**3rd WORLD CONGRESS
ON NEW TECHNOLOGIES (NEWTECH'17)**

JUNE 7, 2017 | 1:00 PM TO 5:40 PM | ROME, ITALY

The general topic of the meeting is the interactions of lipid membranes with nano-objects including functional biomimetic polymers, polymeric micelles, carbon nanotubes and polymer therapeutic complexes/conjugates to enable the intelligent design of novel materials with improved bilayer modifying properties.

Registration for the workshop will be 122 EURs (VAT included) and separate from the main conferences. Workshop attendees will receive a certificate of participation.

Workshop Topics:

- Phospholipid bilayer theory and computer modelling
- Synthetic polymers for cross-membrane delivery
- Supported lipid bilayers and Langmuir monolayers
- Bioinspired Polymers, Bioengineering and Biotechnology
- Lipid vesicles
- Phase separated bilayer domains
- Drug delivery systems
- Nanotoxicology
- Biostabilisation and cell preservation
- Regenerative medicine



Vladimir A. Baulin
SNAL COORDINATOR &
WORKSHOP ORGANIZER

University Rovira i Virgili,
Spain

Dr. Vladimir Baulin leads a group of Soft Mater Theory group (<http://vbaulin.softmat.net/>) at the University Rovira i Virgili, Tarragona Spain which has strong expertise in theory of polymer physics, soft matter theory and biophysics. He is a Coordinator of EU funded Initial Training Network SNAL: (<http://itn-snal.net/>). The aim of this project is to understand the interactions of lipid membranes with nano-objects including functional biomimetic polymers, polymeric micelles, carbon nanotubes and polymer therapeutic complexes/conjugates to enable the intelligent design of novel materials with improved bilayer modifying properties.

The workshop will cover the research topics of SNAL network: interaction of lipid bilayers with nanoparticles, polymers, drugs, peptides and others nanostructured objects.

Support from

Marie Curie Actions FP7 program:



Initial Training Network

SNAL: www.itn-snal.net



Organizers



INTERNATIONAL
Academy of Science, Engineering and Technology **ASET**