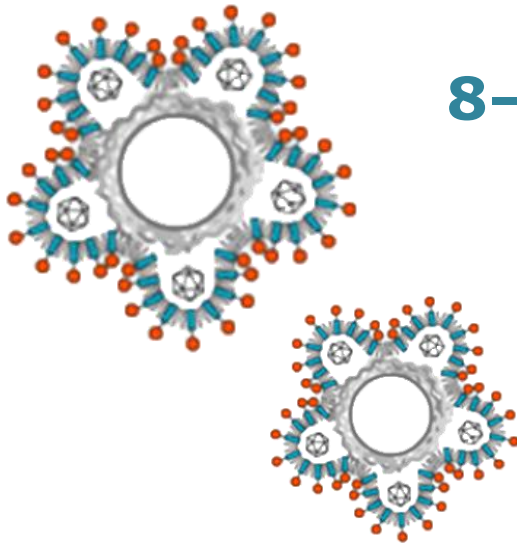


SAHMB

International Workshop on Self-Assembly
and Hierarchical Materials in Biomedicine:
Drug Delivery, Tissue Engineering, Sensing and Safety Issues

8–10 October 2018, San Sebastián, Spain



CIC biomaGUNE
CENTER FOR COOPERATIVE RESEARCH IN BIOMATERIALS



With support from the European Commission H2020 project HYMADE–645686, the ERA-NET SIINN project FATENANO, and the Basque Government Department of Education

PRACTICAL INFORMATION

Workshop Venue

Palacio Miramar (Miramar Jauregia)
Paseo Miraconcha, 48
20007 Donostia-San Sebastián

Arrive

Bus

The following bus lines pass close to the Palacio Miramar.

5 - Benta Berri

15 - Igara

16 - Igeldo

18 - Seminario

24 - Altza-Gros-Antiguo

25 - Benta Berri-Añorga

31 - Aiete-Antiguo

For route maps and more information visit www.dbus.eus

Taxi

Taxi Donosti +34 943 46 46 46

Talur Luxury Cars +34 943 10 27 37 (office) +34 629 49 12 99 (mobile)

Walk

A map of the city can be found in your SAHMB workshop bag.

To plan your route online visit www.Google.com/maps

Connect

Wi-Fi Network: EHU-wGuest

Username: udaikastaroak

Password: cursosverano

Gala Dinner

Restaurante Ni Neu

Avda de la Zurriola, 1

20002 Donostia-San Sebastián

Tuesday, 9 October, 8.30pm

PRACTICAL INFORMATION



PROGRAM

Monday 8th October 2018	
08h45 – 9h15	Registration
09h15 – 09h30	Sergio Moya Welcome
09h30 – 10h30	Changyou Gao (keynote) Mediating Cell migration by Gradient Cues in Biomaterials
10h30 – 11h10	João Mano (invited) Multilayered and Hierarchical 3D-Structures from Nano-Assembled Multilayers for Biomedicine
11h10– 11h40	Coffee Break
11h40 – 12h00	Francisco Fernandes Topotactic Conversion of Biopolymer Foams for 3D-Cell Culture
12h00 – 12h40	Senentxu Lanceros-Mendez (invited) Tailoring Electroactive Smart Materials as Suitable Microenvironments for Tissue Engineering Applications
12h40 – 13h00	Ane Escobar PLL/PAA-Gentamicin Complex Multilayer with a Combined Burst and Sustained Release of Gentamicin and Antibacterial Activity Against <i>S. aureus</i>
13h00 – 14h30	Lunch Break
14h30 – 15h10	Marcelo Calderón (invited) Thermoresponsive Nanogels: a Platform Technology for Topical Drug Delivery and Cancer Theranostics
15h10 – 15h30	Arvin Eskandari Polymeric Core-Shell Nanoparticles for the Delivery of Metal Complexes into Cancer Stem Cells
15h30 – 15h50	Peter van Oostrum Biomimetic Folding Particle Chains
15h50 – 16h20	Coffee Break
16h20 – 17h00	Omar Azzaroni (invited) Nanogated Mesoporous thin Films. Putting Polymer brushes to Work...
17h00 – 17h20	Ivan Coluzza Identification of Protein Functional Regions
17h20 – 18h00	Hendrik Heinz (invited) Discovery of Biomaterials Guided by Simulation and Experiment: Molecular Recognition, Assembly, and Applications
18h00 – 20h00	Poster Session with cider and pintxos

PROGRAM

Tuesday 9 th October 2018	
09h00 – 10h00	Nicholas Kotov (keynote) Chiral Inorganic Nanostructures
10h00 – 10h20	Takuya Nakashima Role of Chirality in Emerging Properties of Self-Assembly
10h20 – 11h00	Victor Puntès (invited) Anti-Inflammatory Nanoparticles to Facilitate Tissue Engineering
11h00 – 11h30	Coffee Break
11h30 – 12h10	Sylvie Begin (invited) Engineering of Magnetic-Based Nanoplatforms for Theranostic
12h10 – 12h30	Javier Reguera Biomedical Applications and Self-Assembly of Janus Au-Fe ₃ O ₄ Nanoparticles with Branched Morphology
12h30 – 13h10	Irina Estrela-Lopis (invited) Monitoring of Nanomaterials and their Interaction with Biomolecules in Extra and Intracellular Spaces
13h10 – 14h30	Lunch Break
14h30 – 14h50	Rafaela García-Álvarez <i>In Vivo</i> Protein Corona Formation on Gold Nanoparticles of Various Size and Shape
14h50 – 15h30	Marco Monopoli (invited) Understanding the Nanomaterial Interaction with Biomolecules, Relevance for Nanomedicine and Nanotoxicity
15h30 – 16h30	Wolfgang Knoll (keynote) Bio-Sensing: Optical or by Electronics?
16h30 – 16h50	Iban Amenabar Infrared Nanoimaging and Nanospectroscopy of Organic Matter: a New Era in Nanoanalytics
20h30	Gala Dinner, Restaurante Ni Neu

PROGRAM

Wednesday 10th October 2018	
09h00 – 09h40	Galo Soler-Illia (invited) Programmable Mesoporous Hybrid Materials: Towards a New Generation of Bioactive Materials
09h40 – 10h00	Eduardo Guisasola <i>In Vivo</i> Cancer Treatment with Hybrid Magnetic-Responsive Mesoporous Silica Nanocarriers
10h00 – 10h40	Cédric Boissiere (invited) Understanding <i>In Vivo</i> Degradation of Mesoporous Silica Therapeutic Vectors Through <i>In Situ</i> Ellipsometry
10h40 – 11h00	Olena Ivashchenko Self-Organizing Silver and Ultrasmall Iron Oxide Nanoparticles: Microstructure of their Hydrocolloids and Biomedical Potential
11h00 – 11h30	Coffee Break
11h30 – 12h30	Katsuhiko Ariga (keynote) Langmuir Protocol for Molecular Machine Operation, Nanocarbon Synthesis and Life Regulation
12h30 – 12h50	Mitsuhiko Okuda Peptide Based Protein Assembly Toward for Nanoparticle Assembly
12h50 – 13h10	Ane Ruiz de Angulo Modular Magnetite-Filled Nanomicelles for Cancer Chemo- and Immunotherapy
13h10 – 14h30	Lunch Break
14h30 – 15h10	Luis Liz-Marzán (invited) Hierarchical Assembly of Gold Nanoparticles for Biodetection
15h10 – 15h30	Jatish Kumar Detection of Amyloid Fibrils in Parkinson's Disease using Plasmonic Chirality
15h30 – 16h10	Leonardo Scarabelli (invited) Capture and Hyperthermia-Mediated Release of Circulating Tumor Cells via Branched Gold Nanostructures
16h10 – 16h40	Coffee Break
16h40 – 17h20	Gabriela Romero Uribe (invited) Biomimetic Carriers to Deliver Genome Editing Tools
17h20 – 17h40	Daniel García-Lojo Microfluidic-Induced 3D Assembly of Nanocrystals for SERS Ultradetection in-Chip
17h40 – 18h20	Tambet Teesalu (invited) Homing Peptides for Targeting of Solid Tumors: Discovery and Applications for Precision Nanomedicine
18h20 – 18h50	Closing Remarks & Awards