1st edition

InterNanoBioMed@CnrNanotec

International School of Medical BioNanotechnology and Nanomedicine

CNR NANOTEC INSTITUTE OF NANOTECHNOLOGY

TecnoMedPuglia – Tecnopolo per la medicina di precisione

Program

09:00 – 09:15	Welcome @CNR-NANOTEC Giuseppe Gigli (Director CNR-NANOTEC & Coordinator TecnoMed Puglia)
09:15 – 09:30	Introduction Stefano Leporatti (CNR NANOTEC, Lecce) José L. Toca-Herrera (Biophysics Institute, BOKU University, Vienna)
	Lectures
09:30 – 09:50	Membrane trafficking in health and disease Riccardo Rizzo (CNR-NANOTEC, Lecce)
09:50 – 10:10	Tackling human Gene function in model organisms using genome engineering Antonio Galeone (CNR-NANOTEC, Lecce)
10:10 – 10:30	Microfluidic Technology for the production of Solid Lipid Nanoparticles Antonio Lopalco (University of Bari, Department of Pharmacy and Pharmaceutical Sciences)
10:30 – 10:45	Q&A Session
10:45 – 11:15	Coffee break_Poster session
11:15 - 11:35	Therapeutic and diagnostic nanoparticle-based solutions for overcoming biological barriers Gabriele Maiorano (CNR-NANOTEC, Lecce)
11:35 - 11:55	Applications of Supramolecular Chemistry to Pharmaceutical Biotechnology and Nanomedicine Andrea Ragusa (University of Salento, DiSTeBA, Lecce)
11:55 - 12:15	Comparative (trans-kingdom) functional genomics in bio(nanotechno)logy Tiziano Verri (University of Salento, DiSTeBA, Lecce)
12:15 - 12:30	Q&A Session
12:30 -14:00	*Lunch Pause and Poster Session*
14:00 - 14:20	Atomic Force Microscope as a tool for nanoscale diagnostics and treatment validation Roberto Raiteri (University of Genoa, DIBRIS, Genoa)
14:20 - 14:40	Advanced sensing platforms for environment monitoring in 3D cell systems Loretta L. del Mercato (CNR-NANOTEC, Lecce)
14:40 - 15:00	Chiral Plasmonic Biosensors Massimo Cuscuná (CNR-NANOTEC, Lecce)
15:00 - 15:15	Q&A Session
15:15 - 15:45	*Coffee Break and Poster Session*
15:45 - 16:05	Microfluidic Lab-on-a-Chip Technologies for Nano-formulation Production Valentina Arima (CNR-NANOTEC, Lecce)
16:05 - 16:25	Rebuilding tissues: the proper house for each cell Francesca Gervaso (CNR-NANOTEC, Lecce)
16:25 - 16:45	Microfluidics and sensing tools for immunotherapy Francesco Ferrara (CNR-NANOTEC, Lecce)
16:45 - 17:00	Q&A Session
17:00 - 17:10	Conclusions

Lecce, 05 October 2023

CNR Nanotec - Seminar room 'Rita Levi Montalcini'

Chairs

Stefano Leporatti (CNR Nanotec, Lecce)

José Luis Toca- Herrera (Biophysics Institute, BOKU University, Vienna)

Organising Committee

Gabriella Zammillo (CNR Nanotec, Lecce)

Stefania D'Amone (CNR Nanotec, Lecce)

Gianvito De Iaco (CNR Nanotec, Lecce)

Mariafrancesca Cascione (University of Salento, Lecce)

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Coordination & Info

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