

PROGRAMME:

9:00-9:15	Registration
	OPENING
9:15-9:20	Opening: Ivana Vinković Vrček
	PLENARY LECTURE
9:20-9:50	Martina Lihter (Institute of Physics, Zagreb) <i>2D Material-based Nanodevices</i>
	ORAL PRESENTATIONS
9:50-10:05	Sherif Kamal (Institute of Physics, Zagreb) <i>Boron in the Nanoworld: Electronic Structure of Atomically-Thin Borophene on Iridium</i>
10:05-10:20	Borna Radatović (Institute of Physics, Zagreb) <i>Strain-Engineering of Devices Based on Atomically-Thin Materials</i>
10:20-10:35	Antonio Ljulj (Faculty of Pharmacy and Biochemistry, University of Zagreb) <i>Kick: a Stochastic Search Procedure for Locating Neutral Gold Nanoclusters</i>
10:35-10:50	Ivan Mamić (Faculty of Pharmacy and Biochemistry, University of Zagreb) <i>In vitro Assessment of Differently Functionalized Gold Nanoparticles for Potential Delivery of L-DOPA</i>
10:50-11:05	Anamaria Gojanović (Institute for Medical Research and Occupational Health, Zagreb) <i>In vivo Efficacy of L-DOPA Nanoformulation for Parkinson's Disease</i>
11:05-11:20	Nikolina Kalčec (Institute for Medical Research and Occupational Health, Zagreb) <i>Mass Spectrometry Imaging of Cardiac Alterations in Rats after Administration of Different Doxorubicin Formulations</i>
11:20-11:50	"COFFEE BREAK"

11:50-12:05	Maria Kolympadi Marković (Faculty of Physics, University of Rijeka) <i>Surface Modification of Metal Oxides by Pulsed Vapor Phase Click Reactions</i>
12:05-12:20	Nikolina Peranić (Institute for Medical Research and Occupational Health, Zagreb) <i>Nanomechanical Tool for Application in Cancer Diagnostics and Scientific Research</i>
12:20-12:35	Mladenka Malenica (Faculty of Medicine, University of Rijeka) <i>Application of Atomic Force Microscopy for Investigation of Nanostructures from Human Cerebrospinal Fluid</i>
12:35-12:50	Hrvoje Križan (Faculty of Medicine, University of Rijeka) <i>Atomic Force Microscopy for Characterisation of Extracellular Vesicles from Human Cerebrospinal Fluid</i>
12:50-13:05	Vanja Baričević (Faculty of Medicine, University of Rijeka) <i>Dissolution of Colloidal Gallium Nanoparticles and Their Antibacterial Activity Against Pseudomonas Aeruginosa</i>
13:05-13:20	Roberta Ogrizović (Faculty of Medicine, University of Rijeka) <i>Preparation of Smart Polymer Nanoparticles for Induction of Apoptosis in Cancer Cells</i>
13:20-13:35	Buket Bakan (Institute for Medical Research and Occupational Health, Zagreb) <i>In vivo Biodistribution Evaluation of L-Glutamic Acid-g-p(HEMA) Polymeric Nanoparticles</i>
13:35-13:50	Marin Tota (Faculty of Medicine, University of Rijeka) <i>N-glycosylation pattern of extracellular vesicles in traumatic brain injury</i>
13:50-14:00	FINAL DISCUSSION
14:00	„LUNCH“