

Workshop "Nanomaterials for biomedical applications"

Friday, **16 February 2024**, **09.00 AM** On line -Zoom



Programme

Chair: Dr. Ma	aksym Pogorielov	
9.00 - 9.20	Anastasia Konieva Sumy State University, Sumy, Ukraine; Department of Anatomy, University Clinic Essen, Essen, Germany	MXene-PDA-anti-CEACAM1 complex as a new agent for targeted melanoma treatment
9.20-9.40	Volodymyr Deineka University of Latvia, Latvia	2D nanosheets of niobium carbide (Nb4C3) as a universal photosynthesizer
9.40–10.00	Linda Giro Department of Biomedical Sciences, University of Padua, Italy	An alternative immune cell labeling system based on the new two-dimensional nanomaterials MXenes
10.00–10.20	Valeriia Korniienko Biomedical Research Center, Sumy State University, Ukraine	MXene-based photothermal therapies for antibacterial applications
10.20-11.00	Coffee break, discussions	
Chair: Dr. Vil	ktoriia Korniienko	
11.00–11.20	Kateryna Diedkova University of Latvia, Latvia	New MXene-containing electroconductive polymer scaffolds for tissue engineering
11.20–11.40	Anna Butsyk Sumy State University, Ukraine	Copper nanoparticles (CuNPs) and their application in biomedicine
11.40–12.00	Yevheniia Husak Silesian University of Technology, Poland; Sumy State University, Ukraine	Silicates and phosphates anions cooperation during PEO of magnesium implants

12.00–12.20	Anna Yanovska Sumy State University, Ukraine	Gold modified ZnO nanoparticles for biomedical application
12.20–13.00	Conclusions, discussions	

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