83rd International Scientific Conference of the University of Latvia 2025

Workshop - Horizon Europe programme projects MSCA-SE at the IAPS, FST University of Latvia

Thursday, **14 February 2025, 1:00-5:00 PM**
Online, Zoom

Programme

Chair: Inga ŠĪRANTE, Acting director, IAPS, FST University of Latvia		
13.00–13.15	***Introduction, Welcome***	
13.15–13.30	**Valentina GARGIULO**, Claudio CLEMENTE, Luciana CIMINO, Michela ALFE	**Production of core-shell Metal Organic Frameworks (MOFs) Hybrids for Sensing Applications** HE MSCA project no 101086364 – Sens4Corn
13.30–13.45	**Viktor ZABOLOTNII**, Artis KINENS, Roman VITER, Martin SAHUL	**Investigation of polymorphism in organic luminophores** HE MSCA project no 101086364 – Sens4Corn
13.45–14.00	**Iryna TEPLIAKOVA**	**Photochemical sensor application of Salan-type ligands TFA salts for Cu^{2+} and Fe^{3+} detection in aqueous media** HE MSCA project no 101086364 – Sens4Corn
14.00–14.15	**Ambra FIORAVANTI,** Viktor ZABOLOTNII, Martin SAHUL, Roman VITER	**Hydrothermal synthesis and characterization of h-WO3 pure and doped with transition metal ions** HE MSCA project no 101086364 – Sens4Corn
14.15–14.30	**Maksym Pogorielov,** Aleksei GOGOTSI, Igor IATSUNSKYI, Inna CHORNA, Irina KUBE-GOLOVIN, Ivan BAGINSKIY, Kateryna DIEDKOVA, Sergiy KYRYLENKO, Veronika ZAHORODNA; Viktoriia KORNIIENKO, Volodymyr DEINEKA	**Biocompatibility of MXenes: influence of flake size and surface terminations** HE MSCA project no 101086184 – MX-MAP, MSCA4Ukraine project no 1232462
14.30–14.45	**Anastasia KONIEVA,** Daniel AGUILAR-FERRER, Gunther WENNEMUTH, Igor IATSUNSKYI, Irina KUBE-GOLOVIN, Maksym POGORIELOV, Oleksiy GOGOTSI, Volodymyr DEINEKA, Veronika ZAHORODNA	**Photothermal Targeted Ablation of Melanoma Using MXene-PDA-anti-CEACAM1 Complex** HE MSCA project no 101086184 – MX-MAP, MSCA4Ukraine project no 1232462
14.45–15.00	**Irfan HANIF,** Igor IATSUNSKYI	**Harnessing Hybrid Nanoarchitectures for Next-Generation Photoelectrochemical Energy conversion** HE MSCA project no 101131147 – ESCULAPE; SONATA BIS project 2020/38/E/ST5/00176 (Poland)

15.00-15.15	**Anton POPOV,** Viktorija LISYTE, Simonas RAMANAVICIUS, Asta KAUSAITE-MINKSTIMIENE, Veronika ZAHORODNA, Oleksiy GOGOTSI, Almira RAMANAVICIENE	**Development of $Ti_3C_2T_x$ MXene-Based Electrochemical Biosensor for Glucose Detection** HE MSCA project no 101131147 – ESCULAPE
15.15-15.30	**Teodora Velcheva KIROVA**, Michele DELVECCIO, Ennio ARIMONDO, Donatella CIAMPINI, Najmeh Eshaqi SANI, Sandro WIMBERGER	**Quantum control via the Autler-Townes effect** HE MSCA project no 101131418 – Q-DYNAMO
15.30-15.45	**Johannes Hecker DENSCHLAG**	**Experiments with ultracold atoms and molecules in Ulm** HE MSCA project no 101131418 – Q-DYNAMO
15.45-16.00	**Arunas RAMANAVICIUS**, Viktorija LIUSTROVAITE, Yana KARNITSKAYA, Maryia DROBYSH, Ernestas BRAZYS, Alma RUCINSKIENE, Vilma RATAUTAITE, Ieva PLIKUSIENE, Julija SERVUTIENE, Urte PRENTICE, Sarunas ZUKAUSKAS, Almira RAMANAVICIENE	**Development of Molecularly Imprinted Polymer based Affinity Sensors** HE MSCA project 101086441 – ARGO
16.00-16.15	**Anna BUTSYK,** Anders BERGLUND, Majid EBRAHIMI, Maksym POGORIELOV, Roman MOSKALENKO, Rafal BANASIUK, Janna BUGAYTSOVA, Thomas BORÉN	**Application of Silver Nanoparticles in Root Canal Treatment** HE MSCA project no 101086441 – ARGO
16.15-16.30	**Viktoriia HOLUBNYCHA,** Viktoriia KORNIIENKO, Petro MYRONOV	**Silver Nanoparticles Antibiofilm Activity Against ESKAPE Bacteria** HE MSCA project no 101086441 – ARGO
16.30-17.00	***Uestions and Answers, Discussion, Conclusions***	