

Room	BETA 1	BETA 2	GAMMA	KSI
Tuesday 10 September				
	Biophotonics - Riga Symposium	Nanomagnetism & Magnetic Materials	Special session under the IMPRESS-U USA-LV-UA	Nanoscale Characterization & Imaging
8:30-8:45		S. Wintz et al. X-ray Imaging of Antiferromagnetic Dynamics	S. Dhingra et al. MXene quantum dots for cardiac regeneration and repair	P. Persson et al. Electron Microscopy of MXenes and Related 2D Materials
8:45-9:00	Stefan Andersson-Engels et al. Upconverting Nanoparticles as Novel Labels for Immunohistochemistry	D.A. Gilbert et al. Skyrmion Dynamics and Spin Wave Fractals Measured with in-situ SANS and SAXS	M. Pogorelov et al. MXene Biocompatibility Depending on Flake Size and Oxidation State	F. V.A. Camargo et al. Femtosecond Holographic Microscopy: from Single Nano-Objects to Magneto-Optical Imaging
9:00-9:15			S. Kyrylenko et al. Addressing The Challenge of Peripheral Nerve Injuries with Ti3C2 MXene Based Electro-conductive Polymer Nerve Guidance Conduits	
9:15-9:30				
9:30-9:45	D. Fixler et al. New directions in Correlative Multimodal Imaging (CMI) – tattoos removal as case study	S. Majetich et al. Fast Excitation Dynamics in Artificial Spin Ice	V. Deineka et al. MXene-Polydopamine-Antibody Complex As A Photosensitizer For Targeted Melanoma Cell Ablation	A. Lotnyk et al. Nanoscale Characterization of Chalcogenide Thin Films for Memory and Energy Applications
9:45-10:00			R. Gautam et al. MXENE-GNRS NANOCOMPOSITE INCORPORATED INJECTABLE HYDROGEL FOR PHOTO-CHEMOTHERAPY OF CANCER	
10:00-10:15	R. Rotomskis et al. Proteins Stabilized Fluorescent Gold Nanoclusters for Multimodal Cancer Theragnostics	D. Bozhko et al. Magnetization dynamics from micro to macro scales: from magnetic rogue waves to macroscopic artificial spin ice	Z. Balevicius et al. Plasmon-Exciton Polaritons for Optical Sensing Applications	G. Di Florio et al. From Topography to Topology: The Use of Persistent Homology to Achieve a Deeper Characterization of Surface Nanostructures and Materials Properties
10:15-10:30				A. Krystofik et al. Fast Photoactuation of pDAP / Silicon Cantilevers
10:30-10:45	Coffee break			
10:45-11:00				
	Biophotonics - Riga Symposium	Nanomagnetism & Magnetic Materials	Nanobiomedical Research & Applications	Electrochemistry of Nanomaterials
11:00-11:15	B. Majaron et al. In Vivo Assessment of the Influence of Aging on Human Skin Using an Innovative Bimodal Approach	H. Ding et al. The Anomalous Inverse Spin Hall Effect and the Field-free Switching of YIG	Ie. Pliksiene et al. Optical and Acoustic Surface Sensitive Techniques for Advanced Biosensing	J. Gaidukevic et al. Synthesis, Investigation, and Application of Polypyrrole/Exfoliated Graphite Composites for the Detection of Dopamine
11:15-11:30	S. Royo et al. LASER SENSING THROUGH SCATTERING MEDIA AT UPC-CD6: FROM BIOPHOTONICS TO POLARIZED LIDAR	A. Chumak et al. Magnonic Inverse-Design Processor	O. Sulaieva et al. UNEXPECTED LOCAL IMPACT OF NANOPARTICLE APPLICATION IN VIVO: ADIPOSE TISSUE BROWNING	M. Corsini et al. Studying Dopamine and Polydopamine as Connecting Agents between Magnetite Nanoparticles and Gold Surfaces: the Role of Cyclic Voltammetry
11:30-11:45				B. Palys et al. Graphene Oxide – Gold Nanoparticles Hybrids for Enzyme Free H2O2 Detection
11:45-noon				
noon-12:15	I. Meglinski et al. Beyond Conventional Diagnostics: Revealing Blood Microstructures through the Harnessing Optical Anisotropy with Polarized Light	K. Levchenko et al. Nanoscale Ga:YIG-Based Magnonic Crystals	D. Çelik et al. ASSESSMENT OF MXENE QUANTUM DOT INFLUENCE ON TUMOR MICROENVIRONMENT THROUGH SPATIAL TRANSCRIPTOMICS	H.H. Nawaz et al. Photocatalytic Degradation of Pollutants by 2D Material Based Nanochannels for Water Filtration
12:15-12:30			V. Tsukruk et al. , The Biomimetic Design and Dispersed Organization of Ti3C2Tx MXene flakes in Cellulose Nanofibers Composite Membranes	G.N. Atapattu et al. Utilising the Interactions Between Bacteria and Magnetite Nanoparticles for the Potential Application in Irish Agricultural Lands
12:30-12:45	Group Photo			
12:45-1:00	Lunch Break			
1:00-1:30	Lunch Break			
1:30-2:00	Lunch Break			
	Biophotonics - Riga Symposium	Nanomagnetism & Magnetic Materials	Nanobiomedical Research & Applications	Electrochemistry of Nanomaterials
2:00-2:15	J. Spigulis et al. RECENT BIOPHOTONICS PROJECTS OF RIGA GROUP	A. Hassanien et al. DELOCALIZED SPIN STATES at GRAPHENE NANORIBBON TERMINI	L. Delogu et al. High-Dimensional Approaches for Immune Profiling of 2D Materials	E. Husak et al. The Fusion of Nature and Technology: Bioceramic Coatings for Magnesium Alloy Implants
2:15-2:30	B. Cugmas et al. Automated classification of pollens relevant to veterinary medicine			O. Bersirova et al. Electrochemical Formation of Functional Rhenium Alloys Coatings
2:30-2:45	U. Rubins et al. Neural network-based feature prediction using remote photoplethysmogram waveform analysis	O. Yastrubchak et al. Quaternary dilute ferromagnetic semiconductors for photonic and spintronic applications	L. Baraban et al. Nanoscopic Sensors in the World of Cancer Research	A. Ramanavicius et al. Affinity Sensors based on Conducting Polymers
2:45-3:00	E.V. Plorina et al. In vivo autofluorescence photobleaching imaging of non-melanoma skin cancers			
3:00-3:15	M. Dabiccio et al. Mid Infrared Label Free Interferometric Detectorless Imaging Photonic Circuit	M. Milivojevic et al. Canted Antiferromagnetism in Two-dimensional Altermagnets	G. F. Goya et al. SYNTHETIC MAGNETOSOMES INTEGRATE CHEMOTHERAPY AND HYPERTHERMIA IN PANCREATIC CANCER CELL MODEL	N.-H. Amine et al. Diamond Patterning via Sequential Infiltration Synthesis for Biosensing Applications
3:15-3:30		A. Bardea et al. An Organomagnetic Smart Film		J. Laranjeira et al. Assessment of Airborne Nanoparticles Exposure and Risk Management Strategies During the Life Cycle of Multi-Materials with a Nanocomponent: Flamingo Project Case Studies
3:30-3:45	Coffee break			
3:45-4:00	Coffee break			
	Biophotonics - Riga Symposium	Nanomagnetism & Magnetic Materials	SESSION	Nanomaterials for Energy & Environment
4:00-4:15	M.J. Huotari et al. CORRELATION ANALYSIS OF HEART RATE VARIABILITY BETWEEN PPG AND ECG COMPARED WITH A SMART PHOTONIC DEVICE IN SUPINE, SITTING, AND STANDING POSTURES	H. Srikanth et al. Thermally Generated Spin Transport and Spin Seebeck Effect in Thin Film Heterostructures	J.-W. Kim et al. Bio-derived Cellulosic Nanomaterials: Advancing Hybrid Soft Materials for Nanobiotechnology	M. Baudry et al. Innovative Development Of Si-Ge Alloy Enhanced with Nanoprecipitates by Additive Manufacturing
4:15-4:30	P. Naglič et al. Monte Carlo simulations of light propagation in turbid media and estimation of optical properties by deep-learning aided regression			H. Mykhailova et al. Effect of Concentrated Solar Radiation on the Surface Structure of Cathode of a Low-Temperature F-TEC Based on the TiH–TEG Composite
4:30-4:45	S. Gumus et al. Theoretical analysis of magnetic levitation technique and in vivo validation on oral cancer diagnosis	Y. Ichihyanagi et al. Magnetic Relaxation Characteristic and Cancer Cell Suppression Effect of Magnetic Nanoparticles	M. Bechelany et al. Membranes via Atomic Layer Deposition for Energy and Environmental Uses	M. Lesalnieks et al. Pseudocapacitive TiO2 as an Efficient Decoupled Electrolysis Mediator in Acid
4:45-5:00	M. Amouroux et al. Reference values of skin oxygenation saturation using hyperspectral imaging: a study on healthy volunteers and optical phantoms			A. Alsunaidi et al. CHARGE TRANSFER IN THE Fe/g-C3N4/MoS2 HETEROJUNCTION: A COMPUTATIONAL STUDY
5:00-5:15	D. Indjin et al. Terahertz quantum cascade laser imaging of human skin pathologies: Towards early detection of skin cancer using laser feedback interferometry	Yu. Shlapa et al. Yttrium-iron Ferrite Garnets: Structural and Magnetic Properties vs Precipitation Route	R. Novickis. From physics to application: The development of quantum sensor based on diamonds with NV centre impurities	S. Zoladek et al. Development of Nanostructured-Carbon-Supported Silver Nanoparticles and Reduced-Graphene-Oxide-Based Hybrid Supports for Gold and Platinum Catalysts Active at Low Loadings during Oxygen Reduction
5:15-5:30		J. Man et al. Flexible Hair Tactile Array Based on Micro Magnetic Particles		S.K. Patial et al. Single-step Electrochemical Fabrication of Ultrathin Graphitic Carbon Nitride Nanosheets via Platinized Titanium Electrodes for Photo-based Industrial Dye Wastewater Treatment
5:30-6:00			A. Sahu et al. A Comparative Assessment of Electrochemical Properties of Multifunctional Coatings TiO2 and TION for Biomedical Implant Applications	
6:00-7:00	Poster Session 1 (University of Latvia, Jelgavas iela, 3)			
7:00-7:30	Poster Session 1 (University of Latvia, Jelgavas iela, 3)			
8:00-9:00	Poster Session 1 (University of Latvia, Jelgavas iela, 3)			
9:00-10:00	Poster Session 1 (University of Latvia, Jelgavas iela, 3)			
10:00-12:00	Poster Session 1 (University of Latvia, Jelgavas iela, 3)			