



COST Action CA21159 Understanding interaction light - biological surfaces: possibility for new electronic materials and devices
(**PhoBioS**) event:

Light and biological surface interaction for sensing applications

Wednesday, August 27th	Thursday, August 28th
Hall 102	Hall 102
09.00-10.00 Registration	Chair: M. Szczerska
10.00-10.20 M. Szczerska Opening address	09.00-11.00 Hybrid Core Group Meeting
10.20-10.50 Coffee break	
Chair: M. Szczerska	
10.50-11.20 A. Łuczkiwicz Enabling Innovation in Urban Services Through Advanced Sensor Technologies <i>Discussion: 11.20 – 11.35</i>	11.00-13.00 Young Researchers Workshop: The Photonics Challenge
11.35-11.50 F. Maldonado Carrascosa Machine learning comparison for biomarker level estimation in wastewater dynamics monitoring	
11.50-12.20 P. Wityk Photonic Biosensors for Discriminating Sepsis, UTI, and Bladder Cancer via Biofunctionalized Optical Probes (<i>Invited talk</i>) <i>Discussion: 12.20 – 12.35</i>	

12.35 - 14.30 LUNCH BREAK	12.35 - 14.30 LUNCH BREAK
Chair: D. Indjin	Main Hall
	Chair: J. Radovanovic
14.30-15.00 K. Karpienko Physicochemical Analysis of Tattoo Pigments Using Optical and Microscopic Methods to Understand Their Interaction with Biological Tissues (<i>Invited talk</i>) <i>Discussion: 15.00-15.15</i>	14.30-14.35 J. Radovanovic Opening address
15.15-15.30 P. Sokołowski Fiber Optic Based Sensors for Viral Biomarkers Detection	14.35-15.05 Z. Ikonić Progress in group-IV photonics based on SiGeSn materials
15.30-15.45 M. Suplewski Novel Phosphorene - based Photodetector for biomarker analysis at UV range	15.05-15.35 Lj. Hadžievski Twisted ring resonator: design and properties
15.45-16.00 N. Pop Analysis optical properties of layered double hydroxide (LDH): photoluminescence (PL) results for photodynamic therapy (PDT)	
Chair: S. García Galán	15.35-15.55 D. Indjin 30+ years of quantum-cascade laser: progress in terahertz frequency range - development and applications
16.00-17:00 PhoBioS Young Research Panel Discussion <i>„AI in Research: Opportunities, Methodologies, and Governance”</i>	15.55-16.15 N. Vukmirović Electronic transport in semiconductors: from textbook knowledge to modern problems
	16.15-16.45 Coffee break
	17.00-19.00 Poster Session