

	<b>TUESDAY, MAY 27</b>
14:00 - 15:30	REGISTRATION / LUNCH AT EUREKA HOTEL
from 15:00	HOTEL EUREKA CHECK-IN
16:30 - 17:30	OFFICIAL OPENING CEREMONY
17:15 - 17:30	Presentation of The Polish Society for Biomaterials, Prof. Elżbieta Pamuła
17:30 - 19:00	SESSION I
17:30 - 18:15	INAUGURAL LECTURE, Prof. Michał Wszota <i>3D bioprinting as a real disruptive innovation in the modern medicine</i>
18:15 - 18:30	Agnes Klar, <i>Integrating bioengineered human skin with bioprinted cartilage for ear reconstruction</i>
18:30 - 18:45	Jakub Rybka, <i>Bioprinting with meniscus dECM, collagen-based nutraceuticals, and single-cell transcriptomics: new perspectives for biomaterials and regenerative medicine</i>
18:45 - 19:00	Maciej Guzik, <i>Polyhydroxyalkanoates in biomedical applications from wound dressings to bone regeneration</i>
20:00 - 24:00	NETWORKING DINNER AT EUREKA HOTEL
	<b>WEDNESDAY, MAY 28</b>
07:30 - 08:00	BEACH RUNNING AND STRETCHING (meeting point: EUREKA Hotel)
07:30 - 09:30	BREAKFAST
09:45 - 11:30	SESSION II
09:45 - 10:30	PLENARY LECTURE, Prof. Diego Mantovani <i>Advanced materials and bioinspired surfaces for the next generation of implants for reparative and regenerative medicine</i>
10:30 - 10:45	Aleksandra Radtke, <i>Synthesis and characterization of hydroxyapatite coatings on biocompatible oxide interlayers integrated with the Ti6Al4V alloy implant surface</i>
10:45 - 11:00	Andrzej Kotarba, <i>Surface chemistry of implants: from theory to applications</i>
11:00 - 11:15	Angelika Auguścik, <i>Biological and electrochemical performance of polymer-coated magnesium alloys for biomedical applications</i>
11:15 - 11:30	Anna Ronowska, <i>The regulatory effects of Cu ions on citrate metabolism in the differentiation of osteoblastic cells</i>
11:30 - 12:15	COFFEE BREAK
12:15 - 14:00	SESSION III
12:15 - 13:00	PLENARY LECTURE, Prof. Endzhe Matykina <i>Permanent and temporary implants: stability and degradation challenges</i>
13:00 - 13:15	Divya Kumar, <i>Functionalization of graphenic biomaterials via oxygen plasma</i>
13:15 - 13:30	Łukasz John, <i>Functionalized silsesquioxanes with a cage-like architecture as versatile building blocks for biomaterials engineering</i>
13:30 - 13:45	Lea Gazdova, <i>Smart implantable scaffolds: biodegradable piezoelectric platforms for enhanced tissue regeneration</i>
13:45 - 14:00	Alchem company presentation
14:00 - 15:00	LUNCH BREAK
16:00 - 23:00	BOAT CRUISE WITH DINNER & SIGHTSEEING OF HISTORIC GDAŃSK (meeting point: EUREKA Hotel)
	<b>THURSDAY, MAY 29</b>
07:00 - 08:00	YOGA (meeting point: EUREKA Hotel)
07:30 - 09:30	BREAKFAST
09:45 - 11:30	SESSION IV
09:45 - 10:30	PLENARY LECTURE, Prof. Uwe Gbureck <i>Bone regeneration capacity of magnesium phosphate minerals</i>
10:30 - 10:45	Magdalena Górecka, Anna Melnyk, <i>Magnesium phosphate-based dual-setting bone cement modified with PVA hydrogel for advanced orthopedic applications</i>
10:45 - 11:00	Marija Vukomanovic, <i>Multifunctional calcium phosphates: multidoping and surface functionalization for better bioactivity</i>
11:00 - 11:15	Ewelina Cichoń, <i>Enhancement of ceramic and ceramic-polyhydroxyoctanoate scaffolds through vancomycin functionalization</i>
11:15 - 11:30	Shimpol company presentation
11:30 - 12:15	COFFEE BREAK
12:15 - 14:00	SESSION V
12:15 - 13:00	PLENARY LECTURE, Prof. Nino Zavadashvili <i>Pseudo-proteins: biodegradable polymers for versatile medical applications</i>
13:00 - 13:15	Joachim Frankowski, <i>Development of a novel microwave-assisted synthesis method for enzymatic polymerization of ε-caprolactone and rac-lactide</i>
13:15 - 13:30	Agata Przekora-Kuśmierz, <i>Curdlan-based wound dressings for the management of infected and hard-to-heal wounds</i>
13:30 - 13:45	Gabriela Jajko-Liberka, <i>Molecular insights into ibuprofen nanoparticles decoration of polymeric implants</i>
13:45 - 14:00	Szymon Salagierski, <i>Functionalized polysaccharides as crosslinking agents for hydrogel materials: a novel approach to chitosan networks</i>
14:00 - 15:00	LUNCH BREAK
15:00 - 16:30	SESSION VI
15:00 - 15:45	PLENARY LECTURE, Prof. Karine Anselme <i>Biocompatibility of silicone breast implants called into question</i>
15:45 - 16:00	Elżbieta Pamuła, <i>Pulmonary-delivered formulations of antibiotics and quorum sensing inhibitors for the treatment of lung infections</i>
16:00 - 16:15	Paweł Sachadyn, <i>The strategy of epigenetic derepression for activation of endogenous regenerative potential</i>
16:15 - 16:30	Klaudia Cholewa, <i>Local ventricular assist device infections - state of the art</i>
16:30 - 17:00	COFFEE BREAK
17:00 - 18:30	POSTER SESSION
20:00 - 02:00	GALA DINNER AT MUDO RESTAURANT (meeting point: EUREKA Hotel)
	<b>FRIDAY, MAY 30</b>
07:30 - 09:30	BREAKFAST
10:00 - 11:30	SESSION VII
10:00 - 10:45	PLENARY LECTURE, Prof. António Ramos <i>Capacitive stimulation-sensing system for emerging active bone implants</i>
10:45 - 11:00	Agata Piątek, <i>Evaluation of the mechanical properties of biomimetic bone models</i>
11:00 - 11:15	Marta Trzaskowska, <i>Biocompatible, nanocomposite biomaterial with antibacterial activity and optimal biodegradability in the treatment of small bone defects</i>
11:15 - 11:30	Janusz Dąbrowski, <i>Photoactive biocompatible materials for antibacterial surface coatings</i>
11:30 - 12:15	COFFEE BREAK
until 12:00	HOTEL EUREKA CHECK-OUT
12:15 - 13:30	SESSION VIII
12:15 - 12:45	PLENARY LECTURE, Prof. Agnieszka Sobczak-Kupiec <i>Engineering the future of medicine: novel biomaterials for drug delivery and bone regeneration</i>
12:45 - 13:00	Paulina Kazimierczak, <i>The pH-responsive bone implant based on a zeolite-chitosan-bisphosphonate complex for potential biomedical applications in osteoporotic fracture repair – in vitro study</i>
13:00 - 13:15	Alicja Wójcik, <i>Bifunctional smart curdlan-based biomaterial containing a pH-sensitive zeolite/chitosan/bisphosphonate complex as a potential bone implant for the osteoporotic fractures treatment</i>
13:15 - 13:30	Agata Knabe, <i>Dual role of zinc in osteoblasts characterized by enhanced mineralization and antibacterial activity</i>
13:30 - 14:30	LUNCH BREAK
14:30 - 15:00	CLOSING CEREMONY