BIOPHOT

INDUSTRY DAY

HEALTHCARE · TOGETHER, FASTER FROM LAB TO PATIENT



BioPhoT Industry Day | RSU Study and Science Complex, Konsula iela 21, Riga

November 24, 2026

Working language – English

PROGRAMME

9:30	**REGISTRATION AND COFFEE**
10:00	**EVENT OPENING** Why is collaboration a matter of public health and the national economy? ***Dr. Agrita Kiopa,*** *Vice-Rector for Science, RSU* *Representative of the Ministry of Economics (TBC)* ***Dace Kārkle,*** *Director of the National Institute of Research and Innovation (NIRI)*
10:15	**WHAT DOES BIOPHOT OFFER TO INDUSTRY?** ***Dace Kārkle****, Director of the National Institute of Research and Innovation (NIRI)*
10:30	**HOW TO ACCELERATE THE UPTAKE OF INNOVATION IN HEALTHCARE** The Lithuanian experience. ***Dr. Giedre Kvedaraviciene****, Director of the Biobank of Lithuanian Population and Rare Disorders*
10:50	**EUPATI: PATIENTS AS PARTNERS IN INNOVATION** How to identify patient needs early, involve patients in product development and clinical trials, and strengthen patient capacity? ***Dr. Tamás Bereczky****, Strategic Advisor, Patient Agency & Integrated Care Expert; representing EUPATI – European Patients' Academy on Therapeutic Innovation*
11:10	**FROM RESEARCH TO PRODUCT: THE BBCE STORY** How institutional collaboration leads to new biomaterials and medical technologies? *Prof. Dr. sc. ing.* ***Kristīne Šalma-Ancāne****, Director, Institute of Biomaterials and Bioengineering, Riga Technical University; Baltic Biomaterials Centre of Excellence (BBCE)*
11:30	**MODERATED PANEL "THREE TRUTHS, ONE GOAL" – FROM PROTOTYPE TO PATIENT** Patients, industry, regulators and researchers discuss what early patient involvement brings to each of them, where collaboration gets stuck, and how to move faster together. Panellists**:** ***Marta Augucēviča, Gatis Ozoliņš, Inese Čakstiņa-Dzērve, Dr. Giedrė Kvedaravičienė, Vitālijs Skrīvelis***
13:00	**NETWORKING LUNCH** Exhibition of selected BioPhoT posters and prototypes
13:45	**MODERATED WORKSHOP "REALITY CHECK"** Parallel tables across 4 thematic blocks – mapping collaboration interests between industry, research teams, patients and regulators (*see full project list on Page 2*)
14:45	**THE WAY FORWARD** Key insights, collaboration interests and agreement on next steps
15:00	**TOUR OF THE FACULTY OF PHARMACY'S FINISHED DOSAGE FORMS LABORATORY** *Limited number of participants – sign up at registration*
15:40	**COLLABORATION MATCHMAKER & AFTERPARTY** Ready to find your next breakthrough partner? A rapid-fire round of 40-second lightning introductions – broadcast your profile, scan the room, and map out who you need to connect with during the afterparty!

Project No. IVPP-EM-Inovācija-2024/1-0002 ***"Biomedical and Photonics Research Platform for the Development of Innovative Products (BioPhot)"*** *is being implemented within the long-term state research programme "Innovation Fund – Long-Term Research Programme", funded by the Ministry of Economics.*

SRP State Research Programme

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BIOPHOT

PROJECTS

Presented at the moderated workshop “**Reality Check”** (13:45) – parallel tables across 4 thematic blocks.

Click a project title to open its page.

A	**DIAGNOSTICS & BIOMARKERS** Moderated by: **Mārtiņš Borodušķis**, COO, Co-founder of Alternative Plants, Researcher and Leading expert, University of Latvia
A1	Integrated Analytical Workflow for Cell-Free DNA (cfDNA)-Based Assessment of Testicular Function in Severe Male Infertility **(SPERMFREE)**
A2	Liquid Biopsy Biomarkers for Bladder Cancer Diagnostics **(LiqBio-BC)**
A3	Urinalysis for the Detection of Sepsis Biomarkers in Newborns **(U-TEST)**
A4	Functional Liquid Biopsies for Diagnostics and Monitoring of Tumors **(FLUID-C)**
A5	Point-of-Care Device for Clotting Assessment **(CLOTCHECK)**
A6	Continuous Capillary Refill Monitor for Critical Care Microcirculation Assessment **(CARESENSE)**
A7	White Laser Endoscopy System **(ENDOLASE)**
A8	Smart Diagnostics: An Aptamer-Based Device for Rapid Malaria Detection **(RAPID-M)**
A9	Detection and Monitoring of Clinically Significant Biomarkers Using Sweat Tests **(SwyCard)**
B	**DRUG DISCOVERY & ADVANCED THERAPIES** Moderated by: **Anna Stikāne**, Head of Innovation Hub. National Institute of Research and Innovation (NIRI)
B1	Platform for Real-Time Drug Efficacy and Integrated Cytotoxicity Testing in Pancreatic Ductal Adenocarcinoma **(PREDICT-PDAC)**
B2	Identification of Fatty Acid-Addicted Cancers for Targeted Therapy **(CanFat)**
B3	Anti-Cancer Vaccine Prototype Targeting Immune Checkpoint **(IC-VAX)**
B4	Glutamine-Driven Synbiotic for Microbiome-Mediated GABA Production **(SYNGABA)**
B5	Membrane Fusion Lipids for Direct Intracellular Delivery **(FUSIONX)**
B6	Enhanced Add-On of Hollow Fiber Bioreactor for Induced Therapeutic EV Production **(EVBoost)**
B7	Affordable Sorting Validation for Accessible Stem Therapy **(DEPCELL)**
B8	Exploring Enzyme-Based Biohybrid Materials as Platforms for Diabetes Monitoring **(EXPEDIA)**
C	**BIOMATERIALS & MEDICAL TECHNOLOGIES** Moderated by: **Inga Berkoviča**, Lead Expert Commercialization and Tech Transfer at Riga Technical University (RTU), Mentor, Co-Founder Latflow
C1	Injectable Hydrogel for Antimicrobial and Regenerative Therapy of Fracture-Related Bone Infections **(BONEART)**
C2	BIOmaterials for Infection Control and Fast Bone Regeneration **(BIOCORE)**
C3	The Latest Generation Blood Collection Tube for Bone Regeneration Procedures **(NEED4BONE)**
C4	Laser-Structured Titanium Surfaces for Antibacterial Applications **(LASANTi)**
C5	Next-Gen Bone Fixation from Birch: A Sustainable Pathway from Forest to Functional Implant **(OsteoWood)**
C6	Advanced Hemostatic Materials for Dual-Use Applications **(AD-HEMOSTOP)**
C7	Solution for Cleaning Dental Burs and Improving Reusability **(BUR-CURE)**
D	**DIGITAL HEALTH & AI** Moderated by: **Linda Runkovska**, Intellectual Property Expert, Innovation Centre at Riga Stradins University (RSU)
D1	Automated Deep Learning Platform for Early Osteoporosis Risk Assessment from Dental CBCT Scans **(OSTEOXPLORE)**
D2	Ultrasonic Measurement Complex for Bone and Muscle Characterization **(BOMUS)**
D3	Automatic Exercise Recognition and Velocity Analytics for Objective Neuromuscular Load Monitoring and Data-Driven Training Optimization **(Automatic Recognition)**

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