

Agenda Preview

Day 1

WEDNESDAY | 23. 09. 2026

08:30 – 9:00	Registration of Participants
09:00	Opening Session, Welcome Speeches
	ESFRI infrastructures (EATRIS, BBMRI, ELIXIR, SLOVACRIN)
	Coffee Break
	BBMRI-ERIC, EATRIS-ERIC
	Biobanking Achievements and Translational Impact
	Building Biobanking Network Across Slovakia
13:00 - 14:00	Lunch
	Translational Science
Keynote speeches:	Building Faster Bench-to-Bedside Ecosystems
16:30	Guided Tour of the Biobank
19:00	Welcome Networking Dinner

Day 2

THURSDAY | 24. 09. 2026

08:30 – 9:00	Registration of Participants
Section I	Biomarkers & Early Diagnostics
Focus:	Predictive, prognostic, and companion biomarkers
	• Liquid biopsy innovations • AI-assisted biomarker discovery • Biomarkers in oncology and neurodegeneration • Translational validation pipelines
Section II	Regenerative Medicine & Cell Therapy
Focus:	Tissue engineering and regenerative approaches
	• Stem cell therapies in clinical trials • Organoids for translational modeling • 3D bioprinting applications • Translational challenges in regenerative medicine • Manufacturing and scalability

Section III**Translational Oncology****Focus:****Cancer therapeutics and precision oncology**

- CAR-T and cell-based therapies
- Tumor microenvironment targeting
- Immunotherapy resistance mechanisms
- Real-world evidence in oncology
- Translating preclinical cancer models

Industry session:

Pharma-Academia Collaboration Case Studies - Illumina

Section IV**Bringing Brain Research and Clinical Practice****Focus:****Translating neuroscience discoveries into clinical practice**

- Clinical Applications of Genome Sequencing
- Multi-omics integration for disease stratification
- Personalized therapeutic targeting

Panel discussion:

"How close are we to true personalized medicine?"

13:00 - 14:00

Lunch

Section V**Emerging Trends in Cardiovascular Research****Focus:****Precision and personalized cardiology**

- Advanced cardiovascular imaging and diagnostics
- Heart failure: novel mechanisms and therapies
- Digital cardiology and wearable technologies
- Predictive analytics in patient care
- AI and machine learning in cardiovascular medicine

Section VI**Digital Health, AI & Data Science****Focus:****Computational medicine and clinical translation**

- AI in drug discovery
- Federated clinical data platforms
- Digital twins in medicine
- Predictive analytics in patient care
- Ethical AI and regulatory frameworks

Panel discussion:

"Can AI shorten translational timelines?"

Companies Presentations – Approx. 3 Companies

Section VII**Advanced Therapeutics & Drug Development****Focus:****Novel therapeutics and translational pipelines**

- RNA therapeutics and mRNA platforms
- Gene Editing and CRISPR-Based translation
- Small Molecules vs Biologics
- Nanomedicine and targeted delivery
- Repurposing drugs through translational research

Panel discussion:

“Why do promising therapies fail in clinical translation?”

Poster & Networking Session**Categories:**

- Translational oncology
- Regenerative medicine
- Clinical biomarkers
- Bioinformatics
- Drug development
- Rare Diseases

19:00

Social Dinner

Day 3
FRIDAY | 25. 09. 2026

Varia + Additional Activities:
Poster Session:

Programme subject to change.