PMNET 5th Forum

PRECISION MEDICINE NETWORK

OCTOBER 8-9, 2026
RIGA, LATVIA
www.pmnetforum.com

ORGANIZERS

Latvian Children's Oncology Fund

CHILDREN'S HOSPITAL FOUNDATION

Children's University Hospital Latvia

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PMPC

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MISSION Latvia

PMNET Forum is an **international platform dedicated to advancing precision medicine** and supporting its implementation in healthcare.

Forum's mission is to improve patient care by accelerating the development and adoption of precision medicine through knowledge exchange, interdisciplinary collaboration and partnerships across science, healthcare, industry and the public sector.

The Forum aims to help bridge the gap between scientific discovery and clinical practice, supporting the translation of research and innovation into solutions that can improve patient care.

300+ participants from 20+ countries

www.pmnetforum.com

OCTOBER 8-9, 2026
RIGA, LATVIA

PMNET
PRECISION MEDICINE NETWORK
Forum

In 2026, PMNET Forum returns to Riga for its fifth edition, bringing together the international precision medicine community for two days of scientific exchange, discussion and networking.

The programm features 21 scientific session across three parallel tracks, keynote presentations and several side events, covering developments across research, clinical practice, health innovation and the implementation of precision medicine

KEY TOPICS

Functional Precision Medicine · Biobanking · Rapid Molecular Diagnostics · Cancer Genetics & Precision Oncology · Rare Diseases · Cancer Screening & Prevention · CAR-T Therapies · Cardiogenetics · Health Data · Translational Medicine · Health Innovation & Funding · Microbiome · Big Health & Omics Data, HPC & AI

WHO ATTENDS?

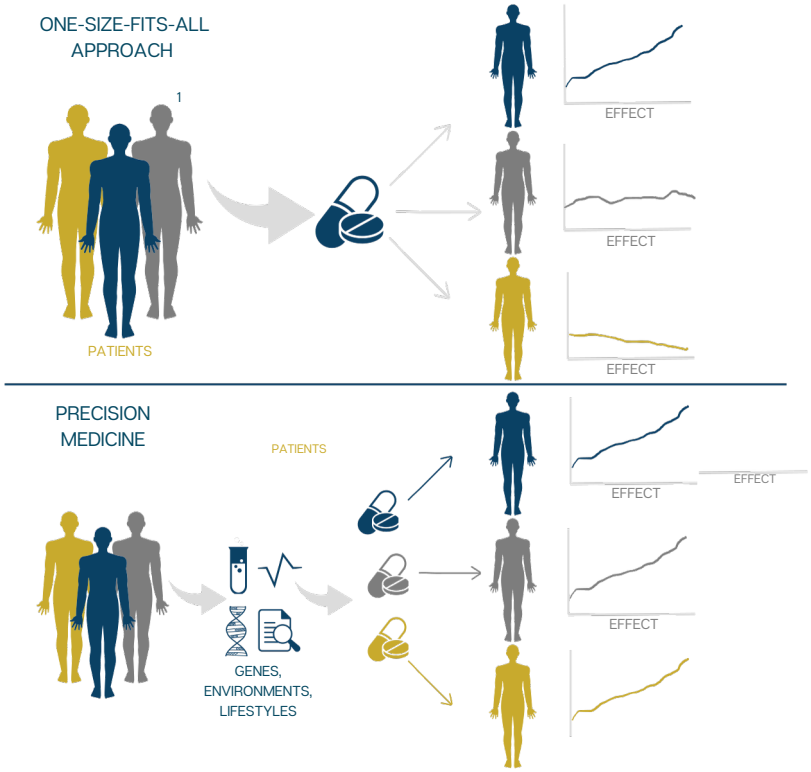
Researchers & scientists · Healthcare professionals · Industry & startups · Policymakers · Patient organisations · Innovation & technology experts

21 insightful session + multiple side events. Explore the program & register: PMNET Forum 2026

PRECISION MEDICINE

Precision medicine, sometimes known as"personalized medicine" is an **innovative approach** to tailoring disease prevention and treatment that takes into account **differences in people's genes, environments, and lifestyles**.

[1] US FDA



Precision medicine is the future of healthcare and enables more accurate diagnostics, more effective treatments and better outcomes for the patients. With its innovative approaches, precision medicine is the future of healthcare, aiming for improved patient care and outcomes. New technology enables the collection of large amounts of health data from individuals, giving us a more detailed understanding of diseases and health. Information about genetics, environment, and lifestyle enables customized prevention, diagnostics, treatment, and follow-up.

More accurate diagnostics and effective treatments also mean fewer negative effects and increased survival rates. In other words, precision medicine enables the right interventions for each individual patient at the right time. Precision medicine requires novel, cross-disciplinary ways of working and increases cost-effectiveness, and decreases unnecessary suffering for patients.

DAY 1	TIME	OCTOBER 8, THURSDAY	1

8:00–9:00 — **REGISTRATION, COFFEE AND NETWORKING**

9:00–10:00 (ZIEDONA HALL)

PLENARY SESSION

OPENING PLENARY SESSION AND KEYNOTE SPEAKERS – DAY 1

Chair / Moderator: Valts Abols

Opening remarks: Hosams Abu Meri — Minister of Health of the Republic of Latvia

Keynote: Kjetil Tasken — Head of the Institute for Cancer Research, Oslo University Hospital, Norway
Talk: From Precision Medicine Research to Patient Care: Turning Innovation into Clinical Impact

Keynote: Mailo Grühn — Germany
Talk: Patient's story

10:00–10:30 — **COFFEE BREAK**

10:30–12:00 (ZIEDONA HALL)

SCIENTIFIC SESSION

FUNCTIONAL PRECISION MEDICINE

Chair / Moderator: Inese Cakstina-Dzerve, Caroline Heckamn

Speaker: Sigrid Skånland
Talk: In vitro strategies to predict treatment outcomes in chronic lymphocytic leukemia

Speaker: Brinton Seashore-Ludlow
Talk: Beyond Viability: Advanced Disease Models for Functional Discovery in Ovarian Cancer and Beyond

Speaker: Eglė Žalytė
Talk: From Tumor to Treatment: Functional Drug Screening in Patient-Derived Endometrial Cancer Models

10:30–12:00 (ROOM A)

STAKEHOLDER SESSION

BIOBANKING

Chair / Moderator: Vita Rovīte

Speaker: Andrea Wutte

Speaker: Aiga Balode
Talk: Biobanks as essential part of health data ecosystem

Speaker: Vita Rovīte

10:30–12:00 (ROOM B)

PEDIATRICS – PMPC SESSION

RAPID MOLECULAR DIAGNOSTICS

Chair / Moderator: Lennart Kester, Egija Berga-Švītiņa

Speaker: Lennart Kester
Talk: Rapid molecular diagnostics: From classification to genomic profiling

Speaker: Skarphedinn Halldorsson
Talk: The long and the short: Whole-genome sequencing for rapid diagnostics of CNS tumors

Speaker: Areeba Patel
Talk: AI enables prediction of CNS tumour methylation subtypes from H&E slides

Speaker: Isabelle Thiffault
Talk: Clinical Long-Read Sequencing: Single Test Simplifying Rare Disease Diagnosis

12:00–13:00 — **LUNCH**

13:00–14:30 (ZIEDONA HALL)

SCIENTIFIC SESSION

CANCER GENETICS AND PRECISION MEDICINE

Chair / Moderator: Elīna Sīviņa, Martin Zoche

Speaker: Jurate Gruode
Talk: Comprehensive Tumor Genomic Profiling in Routine Clinical Practice

Speaker: Jurgita Skiecevičienė
Talk: Molecular twins – organoids as tools for personalized healthcare

Speaker: Andris Veiss
Talk: Developing and testing an AI-based tool for acute ischemic stroke detection in non-enhanced CT (NECT)

Speaker: Hans V. Westerhoff
Talk: (H)AI, Systems Biology, and Precision Medicine

13:00–14:30 (ROOM A)

STAKEHOLDER SESSION

PRECISION MEDICINE COALITION MEETING (IN LATVIAN)

Chair / Moderator: Samanta Brūvere

Panelists: Sanita Janka • Vadims Beļuns • Agrita Kiopa • Valts Ābols • Roberts Melbārdis • Dagne Grāvele • Dace Kārkle • Juris Gaiķis • Linda Gailite • Vladislava Meirāne • Maija Kāle • Alise Krūmiņa

13:00–14:30 (ROOM B)

PEDIATRICS – PMPC SESSION

RARE DISEASES

Chair / Moderator: Madara Auzenbaha, Lina Jankaskaite

Speaker: Kristīne Rasnača
Talk: Genome-wide DNA methylation analysis reveals focal epigenetic dysregulation in small-for-gestational-age placentas and its potential links to rare syndromes

Speaker: Liuda Brogiene
Talk: Chronic Pain in Rare Diseases: The Role of Precision Medicine

Speaker: Vladimirs Krutovs
Talk: Improving the Patient Journey in Myasthenia Gravis: From Diagnosis to Long-Term Care

Speaker: Lina Jankauskaite
Talk: Counting the stripes: turning rare disease data into personalized care

14:40–15:00 — **COFFEE BREAK**

DAY 1	TIME	OCTOBER 8, THURSDAY

15:00–16:30
(ZIEDONA HALL)

SCIENTIFIC SESSION

CANCER SCREENING AND PREVENTION

Chair / Moderator: Mārcis Leja, Tony Hsiu-Hsi Chen

Speaker: Paolo Giorgi Rossi
Talk: Personalized screening in EuCanScreen

Speaker: Tony Hsiu-Hsi Chen
Talk: Metaverse-Enabled AI Precision Cancer Screening

Speaker: Maiju Pankakoski
Talk: The role of data harmonization within EuCanScreen

Speaker: Yi-Chia Lee
Talk: Evaluating the Cost-Effectiveness of FIT and H. pylori stool antigen Co-Testing Using an Analytic Decision Model

15:00–15:30
(ROOM A)

STAKEHOLDER SESSION

MOU

15:30–16:30
(ROOM A)

STAKEHOLDER SESSION

THE IMPACT OF DIGITALISATION ON THE ROLE AND RIGHTS OF PATIENTS IN RESEARCH (IN LATVIAN)

Chair / Moderator: Māra Augucēviča

Panelists: Karina Palkova • Madara Auzenbaha • Juris Beikmanis • Signe Mežinska • Kārlis Rācenis

15:00–16:30
(ROOM B)

PEDIATRICS - PMPC SESSION

CAR-T THERAPIES

Chair / Moderator: Mirjam Blattner-Johnson, Una Riekstiņa

Speaker: Domas Vaitiekus
Talk: CAR-T therapy. Not only in malignant hematology

Speaker: Ain Kaare
Talk: CAR-T. Estonian way

Speaker: Michiel Haasjes
Talk: Update on the Cell and Gene Therapy Unit: Two Years Later

Speaker: Tanel Mahlakõiv
Talk: From Clinical CD19 CAR-T to CLDN6: Creating a Translational Pathway for Next-Generation Cell Therapies

Speaker: Mailo Grühn — Patient's story

8:30–9:00 — **REGISTRATION, COFFEE AND NETWORKING**

9:00–10:00 (ZIEDONA HALL)

PLENARY SESSION

OPENING PLENARY SESSION AND KEYNOTE SPEAKERS – DAY 2

Chair / Moderator: Agrita Kiopa

Opening remarks: Ivars Ijabs • Viktors Valainis (invited) • Ilze Indriksone • Egita Aizsalniece-Ibema

Keynote: Richard Rosenquist Brandell
Talk: Genomic Medicine Sweden: Advancing precision medicine at the national level

Keynote: Helge Lubenow — CEO, Heidelberg Epignostix, Germany

10:00–10:30 — **COFFEE BREAK**

10:30–12:00 (ZIEDONA HALL)

SCIENTIFIC SESSION

CARDIOGENETICS

Chair / Moderator: Linda Gailīte, Irina Griķe

Speaker: Mary N. Sheppard
Talk: Inherited cardiac conditions diagnosed at autopsy and genetic testing

Speaker: Ewa Sieliwonczyk
Talk: Personalised penetrance and outcome prediction in inherited cardiomyopathy with AI-ECG

Speaker: Irina Griķe
Talk: The Genetic Landscape of Atrial Fibrillation: Toward Precision Cardiology

Speaker: Axel Verstrael
Talk: Sudden death meets cardiogenetics: the plot twist. A patient journey through discovery, uncertainty and human connection

10:30–12:00 (ROOM A)

STAKEHOLDER SESSION

INNOVATIONS PANEL

Chair / Moderator: Andris K. Bērziņš

Panelists: Helge Lubenow • Giedrius Gasiunas • Gatis Mozolevskis

10:30–12:00 (ROOM C)

STAKEHOLDER SESSION

HEALTH DATA FOR RESEARCH AND INNOVATION (IN LATVIAN)

Chair / Moderator: Kaspars Grosu

Panelists: Aiga Balode • Vita Rovite • Dzintars Mozgis • Eduards Ritums • Juris Bārzdiņš • Lauris Vidzis

10:30–12:00 (ROOM B)

SCIENTIFIC SESSION

ONE HEALTH APPROACH

Chair / Moderator: Jānis Kloviņš, Robin Guevarra

Speaker: Maido Remm
Talk: Pathogen identification and AMR profiling from cell-free DNA in sepsis patients

Speaker: Valerie Diane Valeriano
Talk: Host-Microbe Interactions through a One Health Lens: Integrating Microbial Genomics and Microbiome Function

Speaker: Robin Guevarra
Talk: Antimicrobial Resistance in the Metagenomic Era: Emerging Trends for One Health Surveillance

Speaker: Jurgita Skiecevičienė
Talk: Analysing Host-Microbiome Interactions: From the Gut Microbiome Insights to Functional Studies

12:00–13:00 — **LUNCH**

13:00–14:30 (ZIEDONA HALL)

SCIENTIFIC SESSION

TRANSLATIONAL MEDICINE

Chair / Moderator: Una Riekstiņa, Giedrius Gasiunas

Speaker: Jelizaveta Sokolovska
Talk: From Molecular Signals to Clinical Decisions in Diabetes and Its Complications: Perspectives from Genetic, Gut, and Glycemic Biomarker Research

Speaker: Anna Veiga
Talk: HaploiPS: a consortium for the Generation of Human Induced Pluripotent Stem Cells from Haplo-selected Cord Blood Samples

Speaker: Johann Gout
Talk: Pancreatic Cancer Organoids: From Functional Drug Response to Precision Medicine

Speaker: Giedrius Gasiunas
Talk: A Potent Cas12l Genome Editor for Therapeutic Applications

13:00–14:30 (ROOM A)

STAKEHOLDER SESSION

FUNDING OPPORTUNITIES FOR HEALTH INNOVATION DEVELOPMENT (IN LATVIAN)

Chair / Moderator: Agnese Oļševska

Speakers: Inese Gribanova • Laura Kunga-Jēgere • Egita Aizsilniece-Ibema • Ritvars Vestmanis

13:00-14:30 (ROOM B)

SCIENTIFIC SESSION

YOUNG RESEARCHERS

Chair / Moderator: Zanda Daneberga, Una Riekstiņa

Speaker: Mikk Tooming
Talk: Genetic Profiling of Breast and Ovarian Cancer Families in Estonia: Insights from Patients and Healthy Relatives

Speaker: Fēlikss Rūmnieks
Talk: Senescence, stemness, and survival: melanoma resistance and a model to study it

Speaker: Eglė Žymantaitė
Talk: Multi-method immune phenotyping defines inflamed, excluded and desert melanoma microenvironments relevant to treatment selection

Speaker: Marija Lazovska
Talk: SPERMFREE: Seminal Plasma Cell-Free DNA Fragmentomics for Assessing Spermatogenic Function

Speaker: Samanta Pļaviņa
Talk: A Multi-Omics and Clinical Data Integration Approach to Patient Stratification in Multiple Sclerosis

14:30–15:00	**COFFEE BREAK**
15:00–16:30 (ZIEDONA HALL)	SCIENTIFIC SESSION **MICROBIOME** Chair / Moderator: Ilze Elbere **Speaker: Mathieu Almeida** *Talk: Gut microbiome alterations as early signatures of disease risk: insights from Parkinson's disease and cancer* **Speaker: Oliver Aasmets** *Talk: The Estonian Microbiome Cohort: Discoveries and Future Directions* **Speaker: Monta Brīvība** *Talk: Gut and Oral Microbiome Dynamics in Pediatric Cancer*
15:00–16:30 (ROOM A)	STAKEHOLDER SESSION **HOW TO CHOOSE THE RIGHT SUPPORT INSTRUMENTS AND SECURE FUNDING FOR HEALTH INNOVATIONS? (IN LATVIAN)** Chair / Moderator: Agnese Oļševska **Panelists: Egita Aizsilniece-Ibema • Osvalds Pugovičs • Jekaterina Romanova • Roberts Rimša**
15:00–16:30 (ROOM B)	STAKEHOLDER SESSION **BIG HEALTH & OMICS DATA AT SCALE: ELIXIR, HPC AND AI FACTORIES** Chair / Moderator: Baiba Vilne **Speaker: Juha Törnroos** *Talk: From ELIXIR Compute to AI Factories: Federated Cloud and HPC Services for Life Science Research* **Speaker: Aadi Tegova & Arnold Leonhard Mertsin** *Talk: Estonia's HPC and Trusted Research Environment Ecosystem: From SAPU to AI-Ready Research Infrastructure* **Speaker: Vita Zeidenberga** *Talk: From University HPC to AI Factory Antennas: Building Latvia's Research Computing Capacity*
16:30-16:40 (ZIEDONA HALL)	PLENARY SESSION **CLOSING PLENARY SESSION** **Closing remarks: Valts Abols • Roberts Melbardis**

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PMNET 5th Forum
PRECISION MEDICINE NETWORK

EMPOWERED BY THE INVESTMENT AND DEVELOPMENT AGENCY OF LATVIA

The PMNET Forum is both - a platform for discussing the development perspectives in the treatment of oncological and rare diseases, as well as the implementation of the biomedicine ecosystem.
That includes the economic perspective and the role of interdisciplinary cooperation, the main goal of which is to share the latest in the development of precision medicine in the world with an emphasis on the latest opportunities, and technologies in the treatment possibilities - promote economic growth, develop innovative business models and use the research and technology advances to improve the well-being of the society and improve the quality of life.

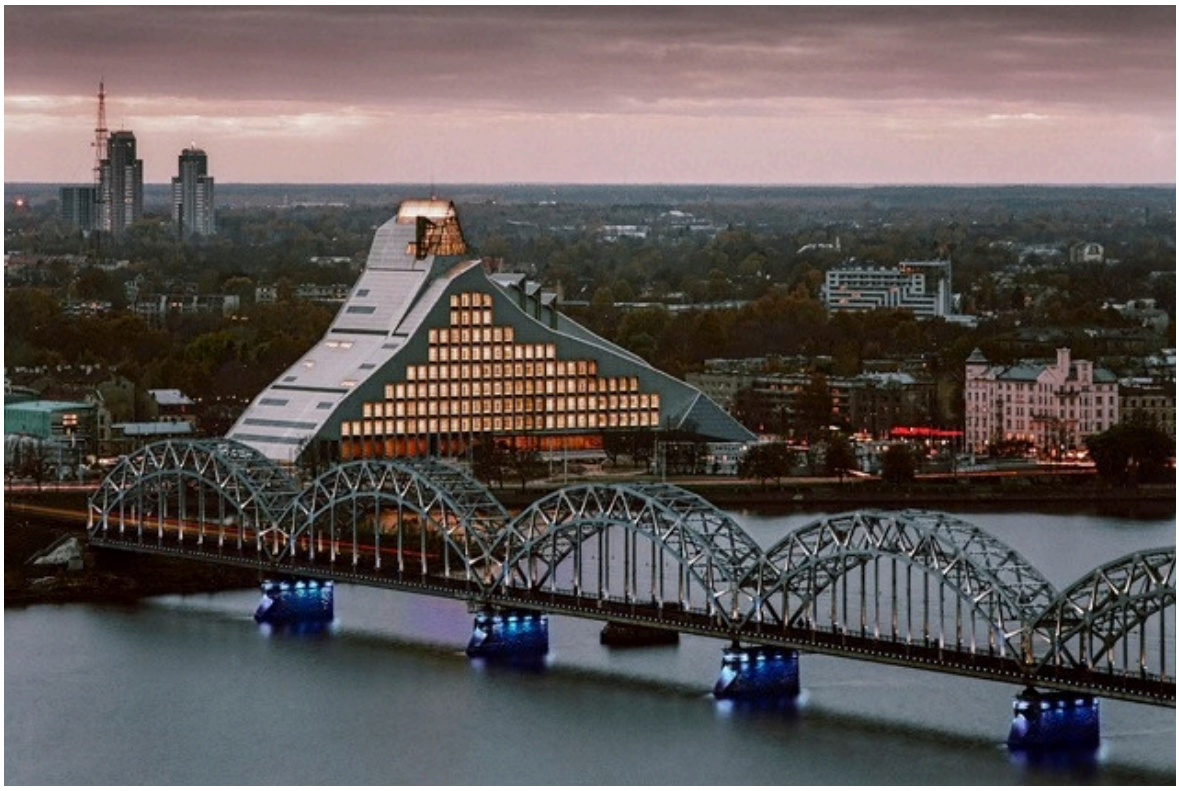
To support these goals, PMNET Forum 2026 will bring together key stakeholders through the Precision Medicine Coalition meeting and dedicated sessions focusing on health innovation, funding and commercialization. These include the Innovations Panel, Funding Opportunities for Health Innovation Development, and a discussion on how to choose the right support instruments and secure funding for health innovations. With the involvement of the Investment and Development Agency of Latvia (LIAA), the programme will also highlight Latvia's RIS3 priority area of Biomedicine, Medical Technologies and Pharmaceuticals.

A dedicated Expo Zone will provide a platform for companies, research organizations and innovators to showcase their work, build new connections and explore opportunities for collaboration.

The event is empowered by the Investment and Development Agency of Latvia (Latvijas Investīciju un attīstības aģentūra - LIAA).

Investment and Development Agency of Latvia

MISSION = Latvia

VENUE

The National Library of Latvia current main building is known as the Castle of Light. It was designed in 1989 by noted Latvian-American architect Gunnar Birkerts, who emigrated to the United States and made his career there. It was constructed in the early 21st century and opened in 2014. Today the Library plays an important role in the development of Latvia's society, providing information to residents and supporting research and lifelong education.