



3RD PRECISION MEDICINE NETWORKING FORUM

OCTOBER 10-11, 2024
RIGA, LATVIA

www.pmnetforum.com

ORGANIZERS



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**MISSION
Latvia**

Preparing for the Future: Radioligand Therapy as an Essential Pillar in Oncology



OUR MISSION

To improve patient care and outcomes by promoting the development and adoption of Precision Medicine

STRATEGIC GOALS

- Promote the development and adoption of Precision Medicine
- Support Precision Medicine research, education and training
- Facilitate cross-discipline and cross-border collaboration
- Share knowledge – latest developments, trends and success stories
- Collaborate with all stakeholders in the best interest of the patients
- Build awareness about Precision Medicine among stakeholders including patients and the general public
- Promote equal access to Precision Medicine benefits for all patients in every country

OUR VALUES

PATIENT CENTRIC – We foremost care about the patients. Patients are at the heart of what we do

INTEGRITY – We are committed to accountability, moral and ethical principles

COLLABORATION – We help and support each other. Together we achieve more

COMMITMENT – We are committed to accomplishing our mission

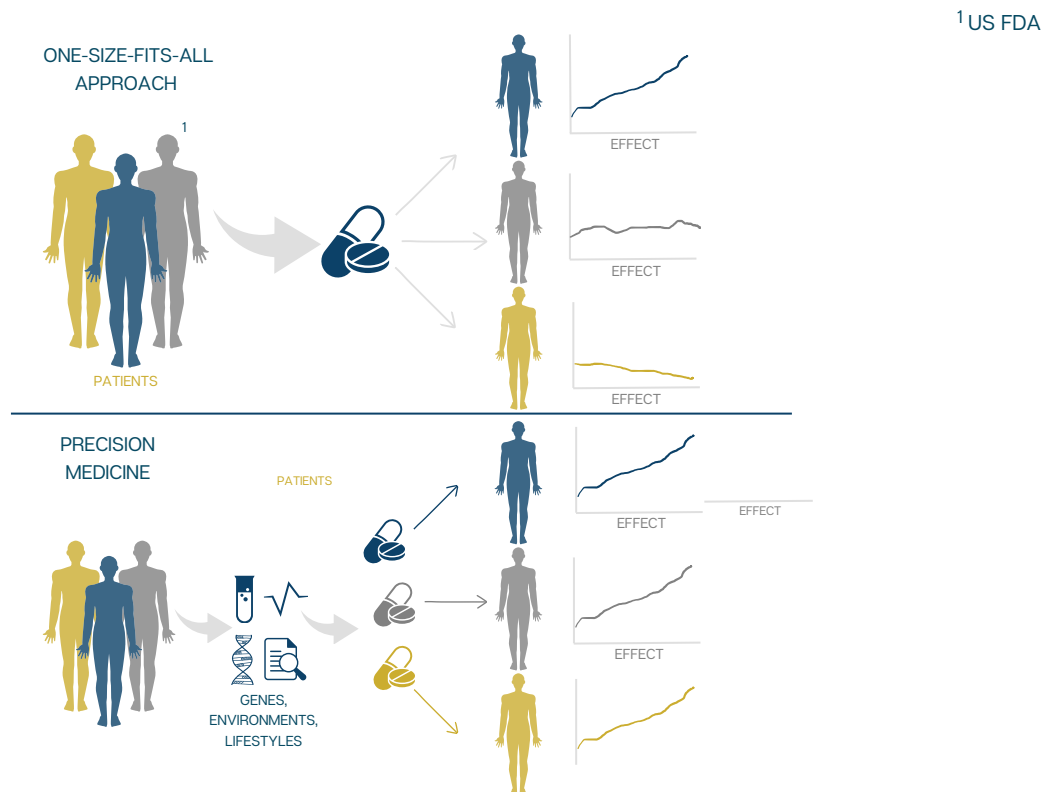
PMNET NETWORK



PATIENTS ARE AT THE HEART OF WHAT WE DO

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**.



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.



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driving force of
our innovation.

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PROGRAM

DAY 1	TIME				
OCTOBER 10, THURSDAY	8.00-9.00	REGISTRATION, COFFEE AND NETWORKING			
	9.00-10.00	OPENING PLENARY SESSION AND KEYNOTE SPEAKER - Day 1			
	10.00-10.30	COFFEE BREAK			
	10.30-12.00	Cancer Genetics and Precision Oncology	Precision Medicine National Implementation Strategies	Pediatric Oncology	Patient Engagement in Biobanks (In Latvian)
	12.00-13.00	LUNCH			
	13.00 -14.30	Functional Precision Medicine	Roundtable: Latvian National Precision Medicine Coalition (in Latvian)	Cellular Immunotherapies in Pediatric Care	
	14.30-15.00	COFFEE BREAK			
	15.00-15.25	Consortium Announcement	Partner Symposium: Value of Comprehensive Genomic Profiling (CGP)	Partner Symposium: Research in the Estonian Biobank and Efforts to Return Genetic Results to Society	
	15.25-15.30	TECHNICAL BREAK			
	15.30-17.00	Precision Prevention/Screening	Latvia as an EATRIS Member State: Advancing Translational Medicine	Childhood Cancer Biobanks	
	17.00-17.30	NETWORKING			
DAY 2	TIME				
OCTOBER 11, FRIDAY	8.30-9.00	REGISTRATION, COFFEE AND NETWORKING			
	9.00-10.00	OPENING PLENARY SESSION AND KEYNOTE SPEAKER - Day 2			
	10.00-10.30	COFFEE BREAK			
	10.30-12.00	Gene Editing	Riga iDays Hackathon Pitch Session	Biomedicine in Latvia - How to Afford More? (In Latvian)	Patient Engagement in Clinical Trials
	12.00-13.00	LUNCH			
	13.00 -14.30	The Value of Data in Precision Medicine	Artificial Intelligence in Precision Medicine	Investors Roundtable	
	14.30-15.00	COFFEE BREAK			
	15.00 -16.30	Radioligand Therapy	Riga iDays Hackathon Awards + Panel: Health innovations	Young Scientists	
	16.30-17.00	CLOSING PLENARY SESSION			

SCIENTIFIC
SESSIONS

STAKEHOLDER
SESSIONS

DAY 1, OCTOBER 10

DAY 1	TIME	
OCTOBER 10, THURSDAY	8.00-9.00	REGISTRATION, COFFEE AND NETWORKING
	9.00-10.00	OPENING PLENARY SESSION AND KEYNOTE SPEAKER - Day 1 Chair: Valts Abols Opening remarks: • Hosams Abu Meri Minister of Health of the Republic of Latvia • Aigars Petersons Rector, Riga Stradins University • Edvards Francis Kuks Ministry of Education and Science of Republic of Latvia • John Tully Chair of PMNET Forum Steering committee, LCOF Founder, Chair of the Board of MikroTik MoU announcement Patient story Keynote speech: • Prof. Dr. med. Stefan Pfister Director of Preclinical Program, Hopp Children's Cancer Center Heidelberg (KITZ), Head, Division of Pediatric Neurooncology, DKFZ, Deputy Head, KITZ Clinical Trial Unit (ZIPO) and Pediatric Brain Tumors, Heidelberg University Hospital, Germany
	10.00-10.30	COFFEE BREAK
	10.30-12.00 (ZIEDONA HALL)	CANCER GENETICS AND PRECISION ONCOLOGY Chairs: • Alinta Hegmane • Diana Azzam Speakers: • Live Fagereng Project Manager of the EU-project PRIME-ROSE and Coordinator Precision Cancer Medicine at OUH Centre for Precision Cancer Medicine, PRIME-ROSE & Oslo University Hospital, Norway • Daiga Murmane Dr. med. Clinical Geneticist, Riga East Clinical University Hospital, Latvia • Neeme Tonisson President of Estonian Medical Association, Professor, Group Leader at Estonian Biobank, University of Tartu, Clinical Geneticist in Tartu University Hospital • Melinda Halasz Assistant Professor, University College Dublin, School of Medicine & Systems Biology, Ireland
	10.30-12.00 (ROOM A)	PANEL: PRECISION MEDICINE NATIONAL IMPLEMENTATION STRATEGIES
	10.30-12.00 (ROOM B)	PEDIATRIC ONCOLOGY Chairs: • Anna Valaine • Stefan Pfister Speakers: • Stefan Pfister Director of Preclinical Program, Hopp Children's Cancer Center Heidelberg (KITZ), Head, Division of Pediatric Neurooncology, DKFZ, Deputy Head, KITZ Clinical Trial Unit (ZIPO) and Pediatric Brain Tumors, Heidelberg University Hospital, Germany • Shai Izraeli Director, Pediatric Hematology Oncology Division at the Schneider Children's Medical Center, Israel • Gustaf Ljungman Senior Consultant Pediatric Hematology & Oncology, Children's University Hospital Professor Pediatrics, Uppsala University, Sweden • Marie Bernkopf Head of Laboratory for Pediatric Solid Cancers and Staff Scientist, St. Anna Children's Cancer Research Institute, Austria
	10.30-12.00 (ROOM C)	PANEL: PATIENT ENGAGEMENT IN BIOBANKS (IN LATVIAN)
	12.00-13.00	LUNCH

DAY 1, OCTOBER 10

DAY 1	TIME	
OCTOBER 10, THURSDAY	13.00 -14.30 (ZIEDONA HALL)	FUNCTIONAL PRECISION MEDICINE Chairs: • Inese Cakstina - Dzerve • Caroline Heckman Speakers: • Diana Azzam Assistant Professor, Department of Environmental Health Sciences; Scientific Director, Center for Advancing Personalized Cancer Treatments (CAPCT) Robert Stempel College of Public Health & Social Work Florida International University, USA • Triona Ni Chonghaile Associate Professor, Department of Physiology and Medical Physics, Royal College of Surgeons In Ireland, Ireland • Christian Regenbrecht Institute of Pathology, University Medical Center Göttingen, Göttingen, Germany • Inese Cakstina - Dzerve Assistant Professor, Department of Biology and Microbiology and Lead Researcher, Science hub, Institute of Microbiology and Virology Riga Stradins University, Latvia
	13.00 -14.30 (ROOM A)	ROUNDTABLE: LATVIAN NATIONAL PRECISION MEDICINE COALITION (IN LATVIAN)
	13.00 -14.30 (ROOM B)	CELLULAR IMMUNOTHERAPIES IN PEDIATRIC CARE Chairs: • Claudia Rossig • Una Riekstina Speakers: • Claudia Rossig Affiliated Group Leader Prinses Máxima Center for Pediatric Oncology; Director, University Children's Hospital Muenster Department of Pediatric Hematology and Oncology, The Netherlands • Jochen Buechner Pediatrician, Senior Consultant Oslo University Hospital Department of Pediatric Hematology and Oncology, Norway • Sarah Tasian Associate Professor of Pediatrics, University of Pennsylvania School of Medicine in the United States; Visiting Researcher at the Prinses Máxima Centrum, The Netherlands; Pediatric oncologist and physician-scientist, Children's Hospital of Philadelphia (CHOP), USA • Adeel Saleem Prinses Maxima Centrum, The Netherlands
	14:30-15:00	COFFEE BREAK

DAY 1, OCTOBER 10

DAY 1	TIME	
OCTOBER 10, THURSDAY	15:00-15:25 (ZIEDONA HALL)	CONSORTIUM ANNOUNCEMENT Chair: Roberts Melbardis
	15:00-15:25 (ROOM A)	PARTNER SYMPOSIUM: VALUE OF COMPREHENSIVE GENOMIC PROFILING (CGP)
	15:00-15:25 (ROOM B)	PARTNER SYMPOSIUM: RESEARCH IN THE ESTONIAN BIOBANK AND EFFORTS TO RETURN GENETIC RESULTS TO SOCIETY
	15.25-15.30	TECHNICAL BREAK
	15.30-17.00 (ZIEDONA HALL)	PRECISION PREVENTION/SCREENING Chairs: • Marcis Leja • Christoph Kaleta Speakers: • Arvids Irmejs Associate Professor, Director of Institute of Oncology and Molecular Genetics, Riga Stradins University General Surgeon, Head of Breast Unit, Pauls Stradins Clinical University Hospital, Latvia • Karlis Arturs Moors Doctoral Candidate, Institute of Experimental Medicine, Christian-Albrechts-University Kiel, Germany • Christoph Kaleta Head of Research Group "Medical Systems Biology" Research Group Medical Systems Biology, Institute for Experimental Medicine, University of Kiel and University Hospital Schleswig-Holstein, Germany • Jernej Kovac Assistant Professor at the Faculty of Medicine, University of Ljubljana; Senior Analyst in Genomics, Clinical Institute of Special Laboratory Diagnostics, University Medical Centre Ljubljana, Slovenia
	15.30-17.00 (ROOM A)	LATVIA AS AN EATRIS MEMBER STATE: ADVANCING TRANSLATIONAL MEDICINE
	15.30-17.00 (ROOM B)	CHILDHOOD CANCER BIOBANKS Chairs: • Monta Briviba • Lars O. Baumbusch Speakers: • Johanna Sandgren Director of the Swedish Childhood Tumour Biobank, Karolinska Institutet, Sweden • Torben Mikkelsen Associate Professor, Department of pediatric oncology at Aarhus University Hospital, Denmark • Daniel Naumovas Head of Biobank, Senior researcher, Vilnius University Hospital Santaros Klinikos, Lithuania • Monta Briviba Head of the Core Facility Genome Center, Latvian Biomedical Research and Study Centre, Latvia
	17.00-17.30	NETWORKING

DAY 2, OCTOBER 11

DAY 2	TIME	
OCTOBER 11, FRIDAY	8.30-9:00	REGISTRATION, COFFEE AND NETWORKING
	9.00-10.00 (ZIEDONA HALL)	OPENING PLENARY SESSION AND KEYNOTE SPEAKER - Day 2 Opening remarks: • Viktors Valainis Minister for Economics of the Republic of Latvia • Linda Ozola Deputy Chairman of the Riga City Council • Raivis Bremsmits Director of the Investment and Development Agency of Latvia Patient story: Marta Augucevica Project expert, Latvian Alliance of Rare Diseases, Latvia Keynote speech: • Olli Kallioniemi Professor of Molecular Precision Medicine, Karolinska Institutet, Director of SciLifeLab & Wallenberg National Program for Data-Driven Life Science (DDLs), Sweden
	10.00-10.30	COFFEE BREAK
	10.30-12.00 (ZIEDONA HALL)	GENE EDITING Chairs: • Una Riekstina • Ulrika Beitnere Speakers: • Pia Johansson Director, Cell and Gene Therapy Core Lund Stem Cell Centre, Lund University, Sweden • Giedrius Gasiunas Chief Scientific Officer at Caszyme, a gene editing company specializing in the development of CRISPR-Cas technology Senior researcher, Department of Protein-DNA Interactions, Institute of Biotechnology at Life Sciences Center, Vilnius University, Lithuania • Ulrika Beitnere Senior Scientist, Max Delbrück Center for Molecular Medicine, Germany • Anna Klucnika Stem Cell Gene Editing Team Leader, Laverock Therapeutics, United Kingdom
	10.30-12.00 (ROOM A)	RIGA iDAYS HACKATHON PITCH SESSION
	10.30-12.00 (ROOM B)	PANEL: BIOMEDICINE IN LATVIA – HOW TO AFFORD MORE? (IN LATVIAN)
	10.30-12.00 (ROOM C)	PANEL: PATIENT ENGAGEMENT IN CLINICAL TRIALS
	12.00-13.00	LUNCH

DAY 2, OCTOBER 11

DAY 2	TIME	
OCTOBER 11, FRIDAY	13.00 -14.30 (ZIEDONA HALL)	THE VALUE OF DATA IN PRECISION MEDICINE Chairs: • Janis Klovins • Olli Kallioniemi Speakers: • Olli Kallioniemi Professor of Molecular Precision Medicine, Karolinska Institutet Director of SciLifeLab & Wallenberg National Program for Data-Driven Life Science (DDLs), Sweden • Andre Uitterlinden Professor of Complex Genetics, Erasmus Medical Centre in Rotterdam, The Netherlands • Janis Klovins Chairman of the Scientific Council, Latvian Biomedical Research and Study Centre, Latvia
	13.00 -14.30 (ROOM A)	PANEL: ARTIFICIAL INTELLIGENCE IN PRECISION MEDICINE
	13.00 -14.30 (ROOM B)	PANEL: INVESTORS ROUNDTABLE
	14.30-15.00	COFFEE BREAK
	15.00-16.30 (ZIEDONA HALL)	RADIOLIGAND THERAPY Chairs: • Elina Sivina • Donatas Vajauskas Speakers: • Thierry Stora Senior Physicist, CERN Medics, Belgium • Maija Radzina Chief of Riga Stradins University Radiology Research Laboratory, Vice-President of Latvian Radiology Association, Latvia • Donatas Vajauskas Head of the Nuclear Medicine Research Centre at Kaunas Clinics, Lithuanian University of Health Sciences (LSMU) and Radiology Clinic Professor at Lithuanian university of Health Sciences, Lithuania • Jean-Michel Luyckx Head of Public Affairs, Novartis BeLux, Belgium
	15.00-16.30 (ROOM A)	PANEL: HEALTH INNOVATIONS + RIGA iDAYS HACKATHON AWARDS
	15.00-16.30 (ROOM B)	YOUNG SCIENTISTS Chairs: • Una Riekstina • Zanda Daneberga Speakers: • Olesja Rogoza PhD student, Riga Stradins University • Ilze Blake PhD student, University of Latvia • Evita Rostoka Postdoctoral researcher, University of Latvia • Helvijs Niedra PhD student, Latvian Biomedical Research and Study Centre • Agnese Brokane PhD student, Latvian Biomedical Research and Study Centre • Aleksejs Fedulovs PhD student, University of Latvia
	16.30-17.00 (ZIEDONA HALL)	CLOSING PLENARY SESSION



At Illumina, our mission is to improve human health by unlocking the power of the genome. Our sequencing by synthesis chemistry is used to generate high-accuracy DNA and RNA sequence data in studies around the globe. Our microarrays also provide accurate, high-throughput genotyping for a range of applications.

Through innovation and collaboration, we have developed comprehensive genomic profiling tools that help investigators identify biomarkers, describe tumor biology, and inform therapy selections. The opportunity to transform tumor profiling with innovative assays, new companion diagnostics, and liquid biopsy tools inspires us to push the boundaries of what is possible and drive innovation.

SPEAKERS

Stefan Pfister Director of Preclinical Program, Hopp Children's Cancer Center Heidelberg (KITZ), Head, Division of Pediatric Neurooncology, DKFZ, Deputy Head, KITZ Clinical Trial Unit (ZIPO) and Pediatric Brain Tumors, Heidelberg University Hospital, Germany

SESSION: OPENING SESSION DAY 1

TOPIC: GLOBALIZING ACCESS TO STATE-OF-THE-ART MOLECULAR TUMOUR DIAGNOSTICS

SESSION: PEDIATRIC ONCOLOGY

TOPIC: THE EMBRYONAL ORIGINS OF PEDIATRIC CANCERS AND HOW THIS COULD BE TRANSLATIONALLY EXPLOITED

Live Fagereng Project Manager of the EU-project PRIME-ROSE and Coordinator of Precision Cancer Medicine at OUH Centre for Precision Cancer Medicine PRIME-ROSE & Oslo University Hospital, Norway

SESSION: CANCER GENETICS AND PRECISION ONCOLOGY

TOPIC: PRIME-ROSE: A EUROPEAN NETWORK OF PRECISION MEDICINE TRIALS FOR ADVANCING CANCER TREATMENT

Daiga Murmane Dr. Med. Clinical Geneticist, Riga East Clinical University Hospital, Latvia

SESSION: CANCER GENETICS AND PRECISION ONCOLOGY

TOPIC: GENETIC DIAGNOSTICS OF HEREDITARY BREAST AND OVARIAN CANCER SYNDROME

Neeme Tonisson President of the Estonian Medical Association, Professor, Group Leader at Estonian Biobank, University of Tartu, Clinical Geneticist in Tartu University Hospital, Estonia

SESSION: CANCER GENETICS AND PRECISION ONCOLOGY

TOPIC: BREAST CANCER PRECISION PREVENTION INITIATIVES IN ESTONIA

Melinda Halasz Assistant Professor, University College Dublin, School of Medicine & Systems Biology, Ireland

SESSION: CANCER GENETICS AND PRECISION ONCOLOGY

TOPIC: TARGETING MITOCHONDRIA FOR THE THERAPY OF MYCN-AMPLIFIED NEUROBLASTOMA

Lene Cividanes Head of Research and International Relations, Danish National Genome Center, Denmark

SESSION: PRECISION MEDICINE NATIONAL IMPLEMENTATION STRATEGIES

Sonata Jarmalaite Deputy Director for Research & Development and Professor, The National Cancer Institute of Lithuania Vilnius University, Lithuania

SESSION: PRECISION MEDICINE NATIONAL IMPLEMENTATION STRATEGIES

Mikaela Friedman External Relations Officer, Genomic Medicine Sweden

SESSION: PRECISION MEDICINE NATIONAL IMPLEMENTATION STRATEGIES

Arnon Afek Associate Director General, Sheba Medical Center, Acting Director of Sheba General Hospital, Israel

SESSION: PRECISION MEDICINE NATIONAL IMPLEMENTATION STRATEGIES

Marcis Leja Professor of Medicine, Director of the Institute of Clinical and Preventive Medicine, University of Latvia, Head of the Dept. of Research, Riga East University Hospital, Latvia

SESSION: PRECISION MEDICINE NATIONAL IMPLEMENTATION STRATEGIES

Shai Izraeli Director, Pediatric Hematology-Oncology Division at the Schneider Children's Medical Center, Israel

SESSION: PEDIATRIC ONCOLOGY

TOPIC: PRECISION MEDICINE IN PEDIATRIC HEMATOLOGY-ONCOLOGY

Gustaf Ljungman Senior Consultant Pediatric Hematology & Oncology, Children's University Hospital Professor Pediatrics, Uppsala University, Sweden

SESSION: PEDIATRIC ONCOLOGY

TOPIC: THE GENOMIC MEDICINE SWEDEN CHILDHOOD CANCER PROJECT

Marie Bernkopf Head of Laboratory for Pediatric Solid Cancers and Staff Scientist, St. Anna Children's Cancer Research Institute, Austria

SESSION: PEDIATRIC ONCOLOGY

TOPIC: MONALISA – A SIOPEN PRAGMATIC CLINICAL TRIAL TO MONITOR NEUROBLASTOMA RELAPSE WITH LIQUID BIOPSY SENSITIVE ANALYSIS

Anna Clareborn Project Manager, Uppsala University, Sweden

SESSION: PATIENT ENGAGEMENT IN BIOBANKS

Sanita Sinica Project Expert, Latvian Rare Disease Alliance, Latvia

SESSION: PATIENT ENGAGEMENT IN BIOBANKS

Vita Rovite Head of the Molecular and Functional Genomics Research Group, Latvian Biomedical Research and Study Centre and Head of the Latvian National Biobank, Latvia

SESSION: PATIENT ENGAGEMENT IN BIOBANKS

Ilmars Stonans Deputy Director, Institute of Clinical and Preventive Medicine, University of Latvia

SESSION: PATIENT ENGAGEMENT IN BIOBANKS

Ieva Micule Clinical Geneticist, Head of Clinic for Medical Genetics and Prenatal Diagnostics, Latvia

SESSION: PATIENT ENGAGEMENT IN BIOBANKS

Diana Azzam Assistant Professor, Department of Environmental Health Sciences Scientific Director Center for Advancing Personalized Cancer Treatments (CAPCT) Robert Stempel College of Public Health & Social Work Florida International University, USA

SESSION: FUNCTIONAL PRECISION MEDICINE

TOPIC: USING FUNCTIONAL PRECISION MEDICINE TO GUIDE CANCER TREATMENTS

Triona Ni Chonghaile Associate Professor, Department of Physiology and Medical Physics, Royal College of Surgeons in Ireland, Ireland

SESSION: FUNCTIONAL PRECISION MEDICINE

TOPIC: IDENTIFYING BCL-2 DEPENDENCE IN MULTIPLE MYELOMA

Christian Regenbrecht Institute of Pathology, University Medical Center Göttingen, Göttingen, Germany

SESSION: FUNCTIONAL PRECISION MEDICINE

TOPIC: FUNCTIONAL PRECISION MEDICINE: IS THIS THE REAL LIFE? IS THIS JUST FANTASY?

Inese Cakstina – Dzerve Assistant Professor, Department of Biology and Microbiology and Lead Researcher, Science Hub, Institute of Microbiology and Virology, Riga Stradins University, Latvia

SESSION: FUNCTIONAL PRECISION MEDICINE

TOPIC: FIRST STEPS AND FUTURE PERSPECTIVES IN LATVIA TOWARDS FUNCTIONAL PRECISION MEDICINE

Claudia Rossig Affiliated Group Leader Princess Máxima Center of Pediatric Oncology, The Netherlands

SESSION: CELLULAR IMMUNOTHERAPIES IN PEDIATRIC CARE

TOPIC: CAR T CELL THERAPIES FOR PEDIATRIC SOLID CANCERS

Jochen Buechner Pediatrician, Senior Consultant Oslo University Hospital Department of Pediatric Hematology and Oncology, Norway

SESSION: CELLULAR IMMUNOTHERAPIES IN PEDIATRIC CARE

TOPIC: GENETICALLY MODIFIED T CELLS TARGETING TDT AS A NOVEL THERAPY AGAINST T- AND B-CELL MALIGNANCIES

Sarah Tasian Associate Professor of Pediatrics, University of Pennsylvania School of Medicine in the United States; Visiting Researcher at the Prinses Máxima Centrum, The Netherlands; Pediatric oncologist and physician-scientist, Children's Hospital of Philadelphia (CHOP), USA

SESSION: CELLULAR IMMUNOTHERAPIES IN PEDIATRIC CARE

TOPIC: ADVANCES IN THE MANAGEMENT OF RELAPSED/REFRACTORY PEDIATRIC B-ALL: THE PRESENT AND FUTURE OF IMMUNOTHERAPY

Adeel Saleem Prinses Maxima Centrum, The Netherlands

SESSION: CELLULAR IMMUNOTHERAPIES IN PEDIATRIC CARE

TOPIC: TBC

Anke Homann Director of Medical Affairs Medical Affairs Oncology team at Illumina, Germany

PARTNER SYMPOSIUM: VALUE OF COMPREHENSIVE GENOMIC PROFILING (CGP)

Elin Org Professor of Microbiomics, Head of the Estonian Genome Centre, Vice Director of University of Tartu Institute of Genomics, Estonia

PARTNER SYMPOSIUM: RESEARCH IN THE ESTONIAN BIOBANK AND EFFORTS TO RETURN GENETIC RESULTS TO SOCIETY

Arvids Irmejs Associate Professor, Director of Institute of Oncology and Molecular Genetics, Riga Stradins University General Surgeon, Head of Breast Unit, Pauls Stradins Clinical University Hospital, Latvia

SESSION: PRECISION PREVENTION/SCREENING

TOPIC: BRCA1/2 GENETIC POPULATION SCREENING PILOT IN LATVIA. INITIAL RESULTS AND LESSONS TO LEARN

Karlis Arturs Moors Doctoral Candidate, Institute of Experimental Medicine, Christian-Albrechts-University Kiel, Germany

SESSION: PRECISION PREVENTION/SCREENING

TOPIC: METABOLIC MODELING METHODS FOR PREDICTING HOST-MICROBIOME INTERACTIONS AND LESSONS TO LEARN

Christoph Kaleta Head of Research Group "Medical Systems Biology" Research Group Medical Systems Biology, Institute for Experimental Medicine, University of Kiel and University Hospital Schleswig-Holstein, Germany

SESSION: PRECISION PREVENTION/SCREENING

TOPIC: TOWARDS MODELING-DRIVEN DESIGN OF PERSONALIZED MICROBIOME INTERVENTIONS

Jernej Kovac Assistant Professor at the Faculty of Medicine, University of Ljubljana; Senior Analyst in Genomics, Clinical Institute of Special Laboratory Diagnostics, University Medical Centre Ljubljana, Slovenia

SESSION: PRECISION PREVENTION/SCREENING

TOPIC: PRECISION PREVENTION: HARNESSING GENETICS FOR EARLY DETECTION IN FAMILIAL HYPERCHOLESTEROLEMIA SCREENING IN SLOVENIA

Emanuela Oldoni EATRIS Scientific Programme Manager

SESSION: LATVIA AS AN EATRIS MEMBER STATE: ADVANCING TRANSLATIONAL MEDICINE

Eliis Keidong Member Engagement Officer

SESSION: LATVIA AS AN EATRIS MEMBER STATE: ADVANCING TRANSLATIONAL MEDICINE

Zaiga Nora – Krukale Eatriss National node coordinator of Latvia, Director, Institute of Microbiology and Virology, Riga Stradins University, Latvia

SESSION: LATVIA AS AN EATRIS MEMBER STATE: ADVANCING TRANSLATIONAL MEDICINE

Liene Nikitina – Zake Director of Research Department, Riga Stradins University, EATRIS National Director of Latvia

SESSION: LATVIA AS AN EATRIS MEMBER STATE: ADVANCING TRANSLATIONAL MEDICINE

Baiba Ziemele Chairwoman of the Board, Latvian Network of Patient Organizations, Latvia

SESSION: LATVIA AS AN EATRIS MEMBER STATE: ADVANCING TRANSLATIONAL MEDICINE

Zanda Daneberga Professor of Medical Genetics and Head of the Laboratory of Molecular Genetics, Institute of Oncology, Riga Stradins University, Latvia

SESSION: LATVIA AS AN EATRIS MEMBER STATE: ADVANCING TRANSLATIONAL MEDICINE

Osvalds Pugovics Deputy Director Latvian Institute of Organic Synthesis, Latvia

SESSION: LATVIA AS AN EATRIS MEMBER STATE: ADVANCING TRANSLATIONAL MEDICINE

Kaspars Tars Head of the Scientific Group, Senior Researcher, Latvian Biomedical Research and Study Centre

SESSION: LATVIA AS AN EATRIS MEMBER STATE: ADVANCING TRANSLATIONAL MEDICINE

Ilmars Stonans Deputy Director, Institute of Clinical and Preventive Medicine, University of Latvia

SESSION: LATVIA AS AN EATRIS MEMBER STATE: ADVANCING TRANSLATIONAL MEDICINE

Johanna Sandgren Director of the Swedish Childhood Tumour Biobank, Karolinska Institutet, Sweden

SESSION: CHILDHOOD CANCER BIOBANKS

TOPIC: THE SWEDISH CHILDHOOD TUMOR BIOBANK – A NATIONAL OMICS AND TISSUE RESEARCH RESOURCE FOR PEDIATRIC CANCERS

Torben Mikkelsen Associate Professor, Department of Pediatric Oncology at Aarhus University Hospital, Denmark

SESSION: CHILDHOOD CANCER BIOBANKS

TOPIC: BUILDING A BIOBANK FOR CHILDHOOD BRAIN TUMOR RESEARCH AND COLLABORATING BY SHARING KNOWLEDGE

Daniel Naumovas Head of Biobank, Senior Researcher, Vilnius University Hospital Santaros Klinikos, Lithuania

SESSION: CHILDHOOD CANCER BIOBANKS

TOPIC: BIOBANKS & PERSONALIZED MEDICINE: UNLOCKING THE FUTURE OF TAILORED HEALTHCARE

Daniel Naumovas Head of Biobank, Senior Researcher, Vilnius University Hospital Santaros Klinikos, Lithuania

SESSION: CHILDHOOD CANCER BIOBANKS

TOPIC: BIOBANKS & PERSONALIZED MEDICINE: UNLOCKING THE FUTURE OF TAILORED HEALTHCARE

Monta Briviba Head of the Core Facility Genome Center, Latvian Biomedical Research and Study Centre, Latvia

SESSION: CHILDHOOD CANCER BIOBANKS

TOPIC: LATVIAN PEDIATRIC CANCER INITIATIVE: BIOBANKING AS A KEY SCIENTIFIC RESOURCE

Monta Briviba Head of the Core Facility Genome Center, Latvian Biomedical Research and Study Centre, Latvia

SESSION: CHILDHOOD CANCER BIOBANKS

TOPIC: BIOBANKS & PERSONALIZED MEDICINE: UNLOCKING THE FUTURE OF TAILORED HEALTHCARE

Olli Kallioniemi Professor of Molecular Precision Medicine, Karolinska Institutet Director of SciLifeLab & Wallenberg National Program for Data-Driven Life Science (DDLs), Sweden

SESSION: OPENING SESSION DAY 2

TOPIC: TECHNOLOGY AND DATA-DRIVEN PRECISION MEDICINE

SESSION: THE VALUE OF DATA IN PRECISION MEDICINE

TOPIC: CHALLENGES AND OPPORTUNITIES ENCOUNTERED IN THE DATA-DRIVEN LIFE SCIENCE (DDLs) PROGRAM IN SWEDEN

Pia Johansson Director, Cell and Gene Therapy Core Lund Stem Cell Centre, Lund University, Sweden

SESSION: GENE EDITING

TOPIC: CRISPR AND HUMAN IPSCS: TRANSFORMING THE LANDSCAPE OF BIOMEDICAL RESEARCH

Giedrius Gasiunas Chief Scientific Officer at Caszyme, a gene editing company specializing in the development of CRISPR-Cas technology Senior researcher, Department of Protein-DNA Interactions, Institute of Biotechnology at Life Sciences Center, Vilnius University, Lithuania

SESSION: GENE EDITING

TOPIC: ENGINEERING COMPACT CRISPR NUCLEASES FOR GENOME EDITING

Ulrika Beitnere Senior Scientist, Max Delbrück Center for Molecular Medicine, Germany

SESSION: GENE EDITING

TOPIC: UNLOCKING HOPE: GENE THERAPY AS PRECISION MEDICINE FOR ANGELMAN SYNDROME

Anna Klucnika Stem Cell Gene Editing Team Leader Laverock Therapeutics, United Kingdom

SESSION: GENE EDITING

TOPIC: GENE EDITING INDUCED GENE SILENCING (GEIGS®): A NEW PLATFORM FOR PROGRAMMABLE CELL ENGINEERING

Elina Sivina Medical Oncologist, Pauls Stradins Clinical University Hospital, Clinic of Oncology
Associated professor, University of Latvia, Department of Oncology, Latvia

SESSION: BIOMEDICINE IN LATVIA – HOW TO AFFORD MORE?

Maija Abolina Member of the Council, Director of the Audit Department State Audit Office of
the Republic of Latvia

SESSION: BIOMEDICINE IN LATVIA – HOW TO AFFORD MORE?

Normunds Stanevics CEO and Chairman of the Management Board, Riga Eastern Clinical
University Hospital, Latvia

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Emil Syundyukov Co-Founder and CEO Longenes, Latvia

SESSION: BIOMEDICINE IN LATVIA – HOW TO AFFORD MORE?

Liene Silina Chairman of the Board, Association of International Research-based
Pharmaceuticals Manufacturers (SIFFA) Country Business Head Latvia, Novartis Baltics

SESSION: BIOMEDICINE IN LATVIA – HOW TO AFFORD MORE?

Samanta Budrecka Senior Expert, Ministry of Economics, Latvia

SESSION: BIOMEDICINE IN LATVIA – HOW TO AFFORD MORE?

Osvalds Pugovics Deputy Director, Latvian Institute of Organic Synthesis, Latvia

SESSION: BIOMEDICINE IN LATVIA – HOW TO AFFORD MORE?

Janek Kapper Ambassador for Clinical Trials and Member of Two Working Groups, EU-X-CT
Initiative, Advisory Board Member, World Patients Alliance (European Region), Founder and
Chairman, Estonian Inflammatory Bowel Disease Society; Chairman, Patient Council at North
Estonian Regional Hospital (PERH), Estonia

SESSION: PATIENT ENGAGEMENT IN CLINICAL TRIALS

Maryia Trubitsyna Consultant in Genomic and Precision Medicine, EMEA, IQVIA, Poland

SESSION: PATIENT ENGAGEMENT IN CLINICAL TRIALS

Monika Ehnman Research Coordinator for strategic funding to ITCC clinical trial centers in
Sweden, advocate for increasing patient participation in early clinical trials at
Barncancerfonden/The Swedish Childhood Cancer Fund, Sweden

SESSION: PATIENT ENGAGEMENT IN CLINICAL TRIALS

Jelena Butikova Board member, Latvian Diabetes Association

SESSION: PATIENT ENGAGEMENT IN CLINICAL TRIALS

Laila Matveja Deputy Head, State Agency of Medicines of Latvia

SESSION: PATIENT ENGAGEMENT IN CLINICAL TRIALS

Andre Uitterlinden Professor of Complex Genetics, Erasmus Medical Centre in Rotterdam, The Netherlands

SESSION: THE VALUE OF DATA IN PRECISION MEDICINE

TOPIC: THE GENOME OF EUROPE AND IMPLEMENTATION OF GENETIC INFORMATION IN HEALTHCARE AND PREVENTION

Janis Klovins Chairman of the Scientific Council, Latvian Biomedical Research and Study Centre, Latvia

SESSION: THE VALUE OF DATA IN PRECISION MEDICINE

TOPIC: HARNESSING BIG DATA FOR THE LATVIAN GENOMIC REFERENCE: GENETIC DIVERSITY AND PREDICTIVE HEALTHCARE APPLICATIONS

Vadim Ratner Researcher at the Multimodal AI for Healthcare Group IBM Research, Haifa Lab, Israel

SESSION: ARTIFICIAL INTELLIGENCE IN PRECISION MEDICINE

Agnis Jakubovics Founder and Chairman of the Board, APPLY – Custom A.I. Solutions, Latvia

SESSION: ARTIFICIAL INTELLIGENCE IN PRECISION MEDICINE

Martin Reim President, Estonian Society of Radiology, Estonia

SESSION: ARTIFICIAL INTELLIGENCE IN PRECISION MEDICINE

Thierry Stora Senior Physicist, CERN Medics, Belgium

SESSION: RADIOLIGAND THERAPY

TOPIC: PRISMA AND CERN-MEDICIS: ENABLING A NEW GENERATION OF RADIOPHARMACEUTICALS

Maija Radzina Chief of Riga Stradins University Radiology Research Laboratory, Vice-President of Latvian Radiology Association, Latvia

SESSION: RADIOLIGAND THERAPY

TOPIC: RADIOLIGAND THERANOSTICS – PRECISION MEDICINE IN NUCLEAR MEDICINE AND MOLECULAR IMAGING

Donatas Vajauskas Head of the Nuclear Medicine Research Centre at Kaunas Clinics, Lithuanian University of Health Sciences (LSMU) and Radiology Clinic Professor at Lithuanian University of Health Sciences, Lithuania

SESSION: RADIOLIGAND THERAPY

TOPIC: TARGETED RADIOLIGAND THERAPY – LU-PSMA TREATMENT MANAGING MCRPC

Jean-Michel Luyckx Head of Public Affairs, Novartis BeLux, Belgium

SESSION: RADIOLIGAND THERAPY

TOPIC: HOW BELGIUM IS EMBRACING RLT, THE BELGIAN MULTI-STAKEHOLDER APPROACH

Kristaps Palskis Researcher, Riga Technical University Institute of Particle Physics and Accelerator Technologies, Latvia

SESSION: RIGA IDAYS HACKATHON AWARDS + PANEL: HEALTH INNOVATIONS

Sven Parkel Secretary General, Scanbalt, General Manager, Tartu Biotechnology Park, Estonia

SESSION: RIGA IDAYS HACKATHON AWARDS + PANEL: HEALTH INNOVATIONS

Olesja Rogoza PhD student, Riga Stradins University

SESSION: YOUNG SCIENTISTS

TOPIC: PREDICTION OF BREAST CANCER CELL FATE THROUGH BH3 PROFILING

Ilze Blake PhD student, University of Latvia

SESSION: YOUNG SCIENTISTS

TOPIC: INFLUENCE OF THE ACUTE MYELOID LEUKEMIA (AML) MICROENVIRONMENT ON THE OUTCOME OF THERAPY

Evita Rostoka Postdoctoral researcher, University of Latvia

SESSION: YOUNG SCIENTISTS

TOPIC: DETERMINATION THERAPEUTIC EFFICACY BY PDAC- ON-CHIP MICROFLUIDIC SYSTEM

Helvijs Niedra PhD student, Latvian Biomedical Research and Study Centre

SESSION: YOUNG SCIENTISTS

TOPIC: DIGITAL SPATIAL PROFILING OF RNA IN TUMOR CELLS AND A-SMA-POSITIVE STROMAL CELLS OF PANCREATIC NEUROENDOCRINE TUMORS

Agnese Brokane PhD student, Latvian Biomedical Research and Study Centre

SESSION: YOUNG SCIENTISTS

TOPIC: EFFECTS OF CANCER-DERIVED EXTRACELLULAR VESICLES ON TUMOUR MICROENVIRONMENT: THE FUNCTIONAL SIGNIFICANCE AND POTENTIAL USE IN PRECISION MEDICINE.

Aleksejs Fedulovs PhD student, University of Latvia

SESSION: YOUNG SCIENTISTS

TOPIC: INDIVIDUAL RISK FACTORS FOR GLYCEMIC VARIABILITY AND PERSONALIZED APPROACH FOR TYPE 1 DIABETIC PATIENTS, INCLUDING AI SOLUTIONS

CHAIRS

Valts Abols Chief Executive Officer, Children's University Hospital Latvia

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Director of SciLifeLab & Wallenberg National Program for Data-Driven Life Science (DDL),
Sweden

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Professor at Lithuanian university of Health Sciences, Lithuania

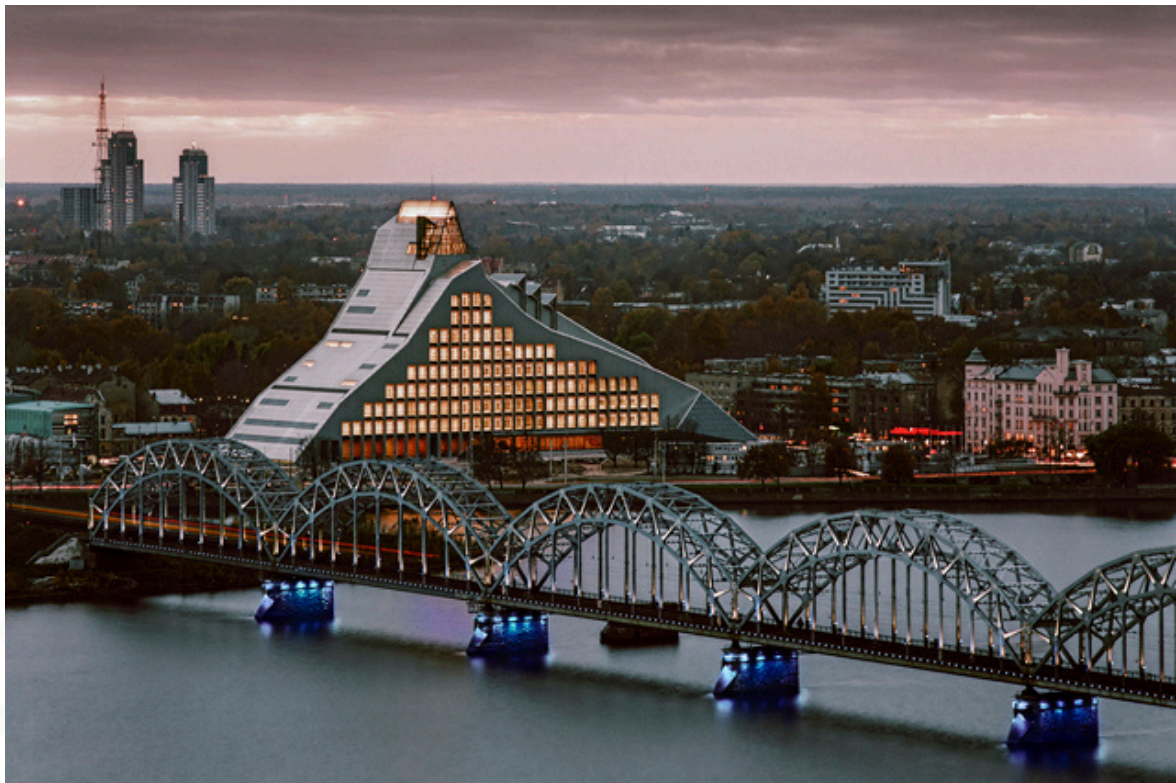
Zanda Daneberga Professor of Medical Genetics and Head of the Laboratory of Molecular
Genetics, Institute of Oncology, Riga Stradins University, Latvia

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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.



SCIENTIFIC COMMITTEE

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Baiba Lace Head of the Center for Genetics and Rare Diseases, Riga Eastern Clinical University
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Agrita Kiopa Vice-Rector of Science, Riga Stradins University

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Linda Anna Daldere Communications Project Manager, Children's Hospital Foundation

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Laura Dabare

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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, the Forum will feature a Health Innovations session and Investor roundtable, backed by the Investment and Development Agency of Latvia (LIAA).

The event is empowered by the Investment and Development Agency of Latvia (LIAA) and the European Regional Development Fund.



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