

PRECISION MEDICINE CONFERENCE

22 MAY 2019, RIGA

Precision medicine is emerging approach for disease treatment and prevention considering individual variability in genes, environment, and lifestyle of each person.

Aim of the conference is to explore precision medicine trends and opportunities which covers topics as big data and analytics for life quality improvement, ICT and technology impact on precision medicine, research and university role in biomedicine development, preventions and next generation national health system.

REASONS TO ATTEND

- 1 Exceptional Opportunity: first time in Latvia precision medicine topic will be discussed in such broad coverage
- 2 Learn and educate: Hear about the latest research, techniques, processes, regulation and technologies in precision medicine
- 3 Get Inspired: Global level experts will share their passion for innovation and technology use to improve quality of life
- 4 Network and Connect: Meet and exchange ideas with like-minded professionals who are shaping the future of healthcare

WHO SHOULD ATTEND: medicine industry experts, IT specialists, policy makers, researchers, entrepreneurs, other direct and indirect related professionals.

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PRECISION MEDICINE CONFERENCE

Agenda

DATE: 22/05/2019

VENUE: University of Latvia, House of Science (Jelgava's Street 3, Riga). Room – Alpha.

FORMAT: Expert presentations, presentations of innovation projects, panel discussion.

LANGUAGE: English.

TARGET AUDIENCE: Medicine industry experts, IT specialists, policy makers, researchers, entrepreneurs, other direct and indirect related professionals.

08.45 - 09.25 Registration, Coffee

- 09.25 - 09.30 **Opening**
Moderator: Dr. biol. **Juris Šteinbergs**
- 09.30 - 09.45 **Welcome**
Ralfs Nemiro, Minister of Economics of Latvia
Ilze Viņķele, Minister of Health of Latvia
- 09.45 - 10.05 **Retrospective on the latest innovation trends in biomedicine in Latvia**
Raimonds Aleksejenko, Deputy State Secretary of Ministry of Economics of Latvia
- 10.05 - 10.50 **Keynote: ICT impact on precision medicine, use cases and future trends**
Sander Timmer, PhD AI & Health - Industry Solutions Manager EMEA at Microsoft
- 10.50 - 11.10 **The role of University and Data Science in the development of precision medicine**
Indriķis Muižnieks, Rector of the University of Latvia

11.10 - 11.40 Coffee Break

- 11.40 - 12.00 **System of precision medicine and biomedicine at the national level - experience of the Nordics**
Elisabet Nielsen, Programme Manager, Health Division at Vinnova
- 12.00 - 12.20 **Framework for Precision Medicine Research in Latvia**
Jānis Kloviņš, Dr. biol., Assoc. Prof., Director of Latvian Biomedical Research and Study Centre

12.30 - 13.30 Lunch

- 13.30 - 13.50 **Transforming Healthcare through a new era of data and analytic**
Maurits – Jan Prinz, Roche Global Personalised Healthcare Center of Excellence, PHC Policy Strategy Leader
- 13.50 - 14.10 **Vision on the health continuum, covering healthy living, prevention, diagnosis, treatment**
Szymon Bieganski, Principal Scientist from Chief Medical Office of Philips
- 14.10 - 15.00 **Panel Discussion - Ethical Challenges through big data in medicine. Are the EU and Latvia prepared for this challenge?**
Ēriks Eglītis, State Secretary of the Ministry of Economics of Latvia
Renāte Strazdiņa, Dr. sc. ing., Head for the Baltic States at Microsoft Corporation
Baiba Vilne, Freelancer Bioinformatician / Senior Expert and Lead Scientist at the Institute of Food Safety, Animal Health and Environment "BIOR"
Francisco Nuno Rocha - Gonçalves, Professor, Director of Healthcare Technologies Management at Luz Saúde
Signe Mežinska, Assoc. Prof. University of Latvia, Faculty of Medicine
Jānis Kloviņš, Dr. biol., Assoc. Prof., Director of Latvian Biomedical Research and Study Centre

15.00 - 15.20 SUM UP



MAGNETIC
LATVIA

PRECISION MEDICINE CONFERENCE

Speakers

Sander Timmer, PhD



Sander is a Healthcare Industry Solutions Manager for Data & AI, working in Microsoft's worldwide Health and Life Sciences team, with over 10 years of Data Science experience. In this role, he focus on advancing end-to-end AI solutions for our most significant Public Health and Healthcare companies in EMEA. Much of his work is around creating unbiased and ethical sound Predictive Scenarios using machine learning and Cognitive Solution using deep learning with patient benefits in mind.

He have a PhD in Big Data Biology and Genomics from the University of Cambridge and the European Bioinformatics Institute (EBI).

Indriķis Muiznieks, Professor



Indriķis Muiznieks is a rector at University of Latvia and his main fields of expertise are microbiology and genetics. Also specializes in molecular biology, biotechnology, immunology, biophysics.

Current research interests are replication and structural stability of plasmid genomes, impact of DNA topology upon the functional activity of genes and replicons, immunomodulating properties of fungal polysaccharides and glycoproteins.

Elisabet Nielsen, Dr



Dr Elisabet Nielsen is a programme manager at Vinnova, the Swedish Governmental Innovation Agency. She is managing national and Nordic programmes in health, financing collaborative projects between companies, research organisations and public sector. She is also working with the Innovative Medicines Initiative and bilateral collaboration with Japan. She has previously worked as a National Contact Point for health in Horizon 2020 and as a National Project Coordinator for EUREKA. Elisabet has experience from biotech industry, developing drugs for neurodegenerative diseases. She holds a PhD in cell and molecular biology with focus on nuclear receptors and dopamine cells.

Maurits-Jan Prinz



Maurits-Jan Prinz works as a Policy Strategy Leader on Personalised Healthcare at F. Hoffmann-La Roche Ltd, the global healthcare company headquartered in Basel, Switzerland.

In this capacity, he is responsible for developing Roche's policy positions with a view to transforming health systems and making personalised healthcare a reality. At Roche, Maurits-Jan has held various positions in regulatory affairs and market access in the field of oncology. He previously worked as a policy officer at the European Commission (DG Internal Market, Industry, Entrepreneurship and SMEs) in Brussels.

Maurits-Jan holds a M.Sc. degree in molecular biology from Radboud University Nijmegen, Netherlands.

Szymon Bieganski, MD



Szymon Bieganski, MD is a Principal Scientist at Philips Healthcare and member of Chief Medical Office Leadership Team in Business Group Monitoring Analytics and Therapeutic Care. He functions as a Medical Liaison to broad healthcare community and provides expertise in clinical informatics, medical science, and innovation. His professional career involved clinical research and patients care and as practicing physician and Director of Non-invasive Cardiology Unit at the Department of Cardiovascular Surgery and Transplantology, Collegium Medicum Jagiellonian University in Krakow, Poland. He completed cardiology fellowship as a Research Fellow at the MedStar Research Institute in Washington, DC. He has 10+ years medical industry experience in Devices, Healthcare Informatics, and Clinical Analytics R&D.

Ēriks Eglītis, State secretary



Ēriks Eglītis is a State secretary at Ministry of Economics of the Republic of Latvia. Ēriks have corporate background in IT sector therefore he is strong in sales and business development management, mostly in ICT industry. He is experience in large international corporate environments. Since April 2018 he is State Secretary and is responsible for policy making scope for construction, housing, energy, general business, statistics, competition, tourism, consumer rights, innovation and start-ups, EC legislation adoption coordination in country.

Signe Mežinska, PhD



Signe Mežinska is currently Associate Professor at the University of Latvia, Faculty of Medicine. She holds PhD in Sociology (Riga Stradins University) and MSc in Bioethics (Union Graduate College, US), and is teaching medical ethics, bioethics and sociology of health and illness for more than 15 years. Her scientific interests include biomedical research ethics, ethics of patient/physician relationship and rational use of medicines. S. Mežinska serves as a Vice-Chair of the UNESCO Internal Bioethics Committee and board member of NGOs Health Projects of Latvia and Health Action International (HAI) Europe Association.

Renāte Strazdiņa, Dr.sc.ing



Renāte Strazdiņa is Country Manager Baltics CEE Multi-Country and she has more than 15 years' experience in management consulting - mainly on issues related to the public sector, education, research and development, information systems and business processes. Previously, Renāte was a Director at the Ernst & Young Baltic (EY) Management Advisory Department, while serving as the Head of the Public Sector in Latvia and the role of Head of the Education Sector in the South-Eastern Europe, worked for PwC and Balta (part of RSA group).

She holds a Doctorate in Engineering from a Faculty of Computer Science and Information Technology at the Riga Technical University and a master's degree of Social Science in Management. Renāte Strazdiņa is a leading researcher at the Riga Technical University.

Francisco Nuno Rocha Gonçalves, PhD



Francisco Nuno Rocha Gonçalves is the director for healthcare technologies management of Luz Saúde, a large comprehensive private provider group in Portugal. He is also an invited professor at the Porto University Faculty of Medicine.

In his career, he has specialized as a manager in the healthcare industries, having had experience with hospitals, pharma and IT, as well as academic / research institutions and projects. Namely, he has served as board member of IPO Porto, and was a consultant in healthcare management and pharmacoconomics. He is also been a professor and investigator in several institutions.

He has a PhD in Management by ISEG - Lisbon University, college degree and master on Economy by Faculdade de Economia do Porto - Porto University.

Baiba Vilne, BIOR



Baiba's background includes both experience as a wet lab biologist, as well as several years of training in bioinformatics and computational biology. She started as a biology major, however, during her Master's studies she developed a great interest in bioinformatics and engaged in a database development project, involving the prediction of protein-protein interactions based on correlated mutations in their respective domains, currently part of the DIMA database.

For the last 4-5 years as a PostDoc in bioinformatics, mainly focusing on integrative systems-level investigations linking genetic and transcriptomic data, both in mice and man, in the context of coronary artery disease, she have greatly expanded her computational skills regarding the analysis of diverse high-throughput data sets.

Jānis Kloviņš, Dr. biol., Assoc. Prof



Jānis Kloviņš is a head of many human genetic factor research projects in Latvia, one of the founders of the National Population Genome Database. Currently holds director position at Latvian Biomedical Research and Studies Center.

Please check out additional event: Interdisciplinary Conference "PERSONALIZED ONCOLOGICAL CARE OPPORTUNITIES IN LATVIA AND THE IMPORTANCE OF INFORMATION TECHNOLOGIES IN ITS IMPROVEMENT"

VENUE: University of Latvia, House of Science (Jelgava's street 3, Riga). Room – Alpha.

FORMAT: Research presentations

LANGUAGE: Latvian

TARGET AUDIENCE: medicine industry professionals, researchers, ICT specialists, etc.

REGISTRATION: <http://www.arstubiedriba.lv>

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