

FEAM Conference 2018 on Precision Medicine and Personalized Health

Friday, 28 September 2018
Campus Biotech, Geneva, Switzerland

Hosted by the Swiss Academy of Medical Sciences



 **SAMWASSM**
Schweizerische Akademie der Medizinischen Wissenschaften
Académie Suisse des Sciences Médicales
Accademia Svizzera delle Scienze Mediche
Swiss Academy of Medical Sciences


FEAM
Federation of European
Academies of Medicine

Following the successful 2016 FEAM Spring Conference hosted by SAMS, the second European Conference on Precision Medicine and Personalized Health provides an ideal opportunity to hear the views of experts on the state of Personalized Health in Europe with regards to research, national and international networks, promising clinical applications as well as ethical and societal implications. The conference offers a unique platform for academic experts, clinicians, industry representatives and policy makers to discuss the latest developments in the field of Precision Medicine and the main challenges lying ahead.

The conference will be preceded by two related events on the same topic: a summer school for young researchers from across Europe, co-organized by the European Society of Pharmacogenomics and Personalised Therapy and the Swiss Personalized Health Network; and a cross-sectorial experts round table discussion organized by the FEAM European Biomedical Policy Forum.

Programme

- 9.00 **Opening and Welcome**
Prof. Daniel Scheidegger, SAMS President
Prof. George Griffin, FEAM President, UK Academy of Medical Sciences
Prof. Peter J. Meier-Abt, Swiss Personalized Health Network (SPHN) President
- 9.15 **Report from the ESPT/SPHN Summer School**
Prof. Ron H. N. van Schaik, European Society of Pharmacogenomics and Personalised Therapy (ESPT) President
Report from the FEAM Forum Experts Round Table Discussion
Prof. Peter J. Meier-Abt

Session 1

- International Landmarks in Personalized Health**
Chairs: Prof. George Griffin, FEAM President
Prof. Peter J. Meier-Abt, SPHN President
- 9.30 **The European Alliance for Personalized Medicine (EAPM) Engages for Better Health Care Systems in Europe**
Denis Horgan, European Alliance for Personalised Medicine, Brussels, BE
- 9.50 **From the 100,000 Genomes Project to the UK NHS Genome Medicine Service**
Prof. Tim Hubbard, Genomics England and Department of Medical and Molecular Genetics, King's College, London, UK

- 10.10 **Effective Personalized Medicine Requires Highly Integrated Data Infrastructures: The Example of Estonia**
Prof. Jaak Vilo, Institute of Computer Science, University of Tartu, EE
- 10.30 **The Path to Precision Medicine: Lessons from Applying Personalized Immunology for Managing Autoimmune Diseases in China**
Prof. Nan Shen, Ren ji Hospital, Shanghai Jiao Tong University School of Medicine, CN
- 10.50 **Discussion**

Session 2

Personalized Medicine and Health Care

Chairs: Prof. Stefan Constantinescu, FEAM Vice President, Belgian Royal Academy of Medicine and Romanian Academy of Medicine
Prof. Anita Rauch, SAMS Board member, University of Zurich, CH

- 11.10 **Genomics and Big Data – From Science to Health Care and back**
Prof. Stylianos Antonarakis, Department of Genetic Medicine and Development, University of Geneva, CH
- 11.30 **Towards Personalized Regenerative Cell Therapy**
Prof. Yonglun Luo, Department of Biomedicine, Aarhus University, DK and Lars Bolund Institute of Regenerative Medicine, BGI-Qingdao, CN
- 11.50 **Clinical Utility of Precision Medicine in Oncology**
Prof. Christophe Le Tourneau, Department of Drug Development and Innovation, Curie Institute, Paris, FR
- 12.10 **Human Metabolome as an Approach to Personalized Medicine**
Prof. Amalio Telenti, The Scripps Research Institute, La Jolla, US
- 12.30 **From Rare to Common Disease – From Genetics to Therapy**
Prof. Jan Albert Kuivenhoven, Department of Pediatrics, University Medical Center Groningen, NL
- 12.50 **Discussion**
- 13.10 **Lunch**

Session 3

Pharmacogenomics and Personalized Therapy

Chairs: Prof. Maria do Céu Machado, FEAM Vice President, Portuguese Academy of Medicine

Prof. Marc Ansari, SPT Chairman, University of Geneva, CH

- 14.10 **Implementation of Pharmacogenomics in Clinical Medicine in the USA**
Prof. Dan M. Roden, Vanderbilt University Medical Center, Nashville, US
- 14.30 **Pharmacogenomics in Pediatric Hemato-Oncology**
Dr. Maja Krajinovic, CHU-Sainte-Justine, Montreal, CA
- 14.50 **Pharmacogenetics of Adverse Drug Reactions**
Prof. Munir Pirmohamed, Institute of Translational Medicine, University of Liverpool, UK
- 15.10 **Precision Medicine and Genomics: a Pharma Perspective**
Dr. Thorsten Gutjahr, Companion Diagnostics, AstraZeneca, Cambridge, UK
- 15.30 **Discussion**

Session 4

Public Health and Ethical/Legal Aspects of Personalized Health

Chairs: Prof. Bernard Charpentier, FEAM Past President, French Academy of Medicine

Prof. Effy Vayena, SPHN ELSI Advisory Group Chair, ETH Zurich, CH

- 15.50 **Perspectives for Public Health Genomics within a Health Care System Context**
Prof. Marc Van den Bulcke, Sciensano, Brussels, BE
- 16.10 **Data to the People – MIDATA Cooperatives**
Prof. Ernst Hafen, Institute of Molecular Systems Biology, ETH Zurich, CH
- 16.30 **Ethical Imperatives for Personalized Medicine**
Prof. Joshua Hordern, Faculty of Theology and Religion, University of Oxford, UK
- 16.50 **Discussion**
- 17.15 **End of symposium and apéro riche**

SAMS

Swiss Academy of Medical Sciences

Engaged in science and research policy, SAMS provides expert and advisory activity to politicians and authorities. The academy comprehensively reflects on the future of medicine, promotes the professional training of the next generation of physician scientists and strengthens the connection between academic medicine and medical practice. In addition, SAMS focuses on the clarification of ethical questions in connection with medical developments and their effect on society.

www.sams.ch

Conference organization:

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FEAM

Federation of European Academies of Medicine

FEAM's mission is to promote cooperation between national Academies of Medicine and Medical Sections of Academies of Sciences in Europe, to provide them with a platform to formulate their collective voice on matters concerning human and animal medicine, biomedical research, education and health with a European dimension; and to extend to the European authorities the advisory role that they exercise in their own countries on these matters.

www.feam.eu

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In partnership with www.santeperso.ch

Conference Scientific Committee

Prof. Peter J. Meier-Abt, CH (Chair)
Prof. Marc Ansari, CH
Prof. Hélène Antoine-Poirel, BE
Prof. Stylianos Antonarakis, CH
Prof. Stefan Constantinescu, BE/RO
Prof. Urs A. Meyer, CH

Prof. Vincent Mooser, CH
Prof. Munir Pirmohamed, UK
Prof. Dimitris Thanos, GR
Prof. Anita Rauch, CH
Prof. Miikka Vikkula, FI

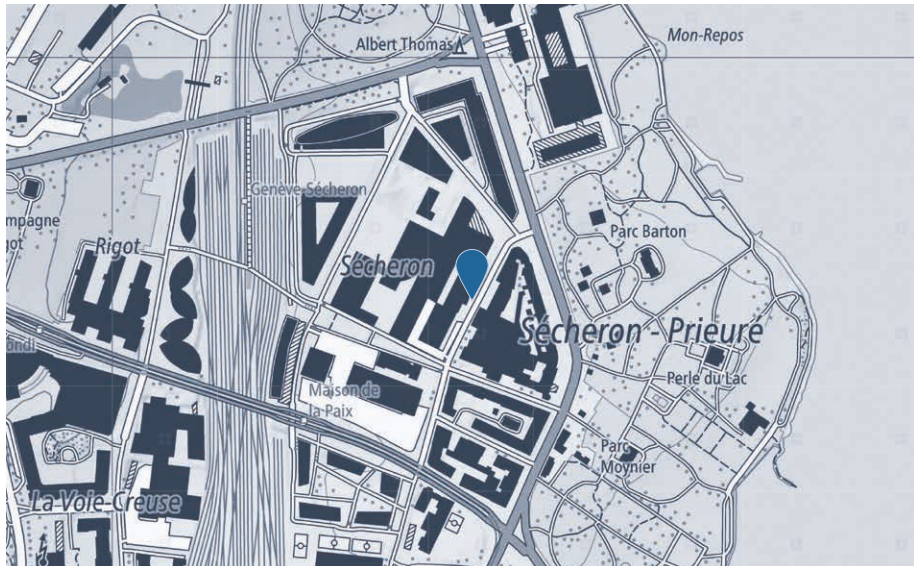
Registration: sams.ch/feam-conference-2018

Until: **17 September 2018**

Participation is free of charge but registration is compulsory

Conference venue:

Campus Biotech, Chemin des Mines 9, 1202 Genève



Getting there:

From Geneva international airport:

- bus 5 direction Thônex-Vallard until «Nations», then tram 15 direction «Palette» until «Maison de la Paix»
- or train connection to Geneva railway station Cornavin, from there, see indications to the right.

From Geneva railway station Cornavin:

- bus 1 or 25 direction «Jardin botanique» until «Mines»
- tram 15 direction «Nations» until «Maison de la Paix»
- train Regio direction «Coppet» until «Genève-Sécheron»