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Schweizerische Akademie der
Medizinischen Wissenschaften
Petersplatz 13
4051 Basel
Schweiz

General Information

■ Venue

Swiss National Science Foundation (SNSF)
Wildhainweg 21
3001 Bern

The SNSF can be reached from the main station by walking within 5 minutes.

■ Conference fee

Participation is free. The coffee break is offered to registered participants.

■ Registration

Please register by 10 March 2012 at the latest, with the attached registration form or at www.akademien-schweiz.ch/it-fom

■ Information and contact

SAMS, Petersplatz 13, 4051 Basel
Phone: +41 61 269 90 30, e-mail: mail@samw.ch

■ Organised by

SAMS  Swiss Academy
of Medical Sciences

SATW
Schweizerische Akademie der Technischen Wissenschaften
Académie suisse des sciences techniques
Accademia svizzera delle scienze tecniche
Swiss Academy of Engineering Sciences



Akademien der Wissenschaften Schweiz
Académies suisses des sciences
Accademie svizzere delle scienze
Academias svizas de las ciencias
Swiss Academies of Arts and Sciences

Conference series «The Big Six – Spotlight on the EU-Flagship-Initiative»

Medicine in the 21st century: IT as a «magic bullet»?

16 March 2012, 13:15 – 18:00
SNSF, Wildhainweg 21, Bern

The Swiss Academies of Arts and Sciences are organising an event on each Flagship-project:

- FuturICT – Participatory Computing for our Complex World (www.futurict.eu)
- Graphene Flagship (www.graphene-flagship.eu)
- Guardian Angels (www.ga-project.eu)
- HBP – The Human Brain Project (www.humanbrainproject.eu)
- ITFoM – IT Future of Medicine (www.itfom.eu)
- RoboCom – Robot Companions for Citizens (www.robotcompanions.eu)

For more information:
www.akademien-schweiz.ch/flagshipseries



Medicine in the 21st century: IT as a «magic bullet»?

Recent technological advances have revolutionised genome and proteome analyses of individual patients. This progress paves the way for future development and improvement of individualised (or personalised) medicine.

For this vision to become reality, vast amounts of digitalized personal data must be collected and analysed, for which an automated exchange of data and highly developed information technology will be necessary. The EU-Flagship-project «IT Future of Medicine» aims to develop the necessary knowledge and technology. The final goal is to create digital models of individual patients (the «virtual patient»), which can be used by physicians to suggest the best possible medical treatment.

The Swiss Academies of Arts and Sciences are organising a conference, aiming to inform the Swiss scientific community about the project, and more generally about the impact of IT on modern medicine and the possible reconstruction of the patient as an individual but virtual model. The event should help to form an opinion on these fascinating issues.

You are cordially invited to attend this conference, which will take place on 16 March 2012 (13:15 – 18:00) in Bern. The organisers welcome scientists of all fields, press representatives, interested decision makers as well as the general public.

Programme

- 13h15 **Welcome and Introduction**
Prof. Peter Meier-Abt, President SAMS, Basel
- 13h30 **Integrating data on genetic information, metabolic processes, behaviour and environment to build up the virtual patient**
Prof. Hans Lehrach
Max Planck Institute for Molecular Genetics, Berlin
- 14h15 **The virtual patient: the medical and clinical challenge**
Prof. Denis Hochstrasser
Genetic and Laboratory Medicine Department of the University Hospital Geneva
- 15h00 Coffee break
- 15h30 **The virtual patient: the analytical challenge**
Prof. Ruedi Aebersold
Institute of Molecular Systems Biology, ETH Zurich
- 16h00 **The virtual patient: a challenge for information technology and data integration**
Prof. Manuel Peitsch
Swiss Institute of Bioinformatics, Basel
- 16h30 Roundtable
Will the virtual patient indeed become reality?
Markus Nufer, SATW, Zimmerwald
Prof. Fred Paccaud, Institute of Public Health, University of Lausanne
Prof. Franco Cavalli, Division of Oncology, Hospital Lugano
Prof. Hans Lehrach, Berlin
Prof. Denis Hochstrasser, Geneva
- 17h45 **Closing Remarks**
Prof. Peter Meier-Abt, Basel

Registration for Medicine in the 21st century: IT as a «magic bullet»?

Title: _____

Name / First name: _____

Institution: _____

Street address: _____

Postcode, City: _____

Phone: _____ E-mail: _____

Please send your registration form by **10 March 2012** at the latest.