



**University
of Basel**

Faculty of
Medicine



Big Data and Artificial Intelligence in Healthcare and Drug Development

Continuing Education Series:
Frontiers in Drug Development

**Hörsaal Pathologie
University Hospital Basel**
Thursday, September 6, 2018
08:30 – 16:30



ADVANCED STUDIES

Under the auspices of
EUCOR, the European Campus
IFAPP, Int. Federation of Associations of Pharmaceutical Physicians
and Pharmaceutical Medicine

Accredited by SwAPP/SGPM and GSASA
Recognised as PharmaTrain Centre of Excellence



Invitation

The integration of big data and artificial intelligence in drug discovery and development, public health, and personal health is making headway.

Advanced analytical and cognitive computing tools are becoming indispensable to make data accessible and applicable in order to unleash the yet untapped potential of big data. Stakeholders in drug discovery and development as well as decision makers in public health need access to the right data at the right time to facilitate informed decisions.

The driving interest to promote artificial intelligence for drug discovery and development is its potential to increase the speed of discovery, to facilitate the identification

of new targets and compounds, and consequently, the prospective of reduced costs for the drug development process.

As researchers, drug developers, manufacturers, regulators, patients, and payers we should be aware of the chances and challenges big data and artificial intelligence are offering to advance health care and in particular drug development.

We invite you to join us for the seminar and get insights to the prospects of “Big Data and Artificial Intelligence in Healthcare and Drug Development”.

We are looking forward to welcoming you and your colleagues.



A handwritten signature in black ink, appearing to read 'Thomas Szucs'.

Prof. Dr. Thomas D. Szucs
Director



A handwritten signature in black ink, appearing to read 'Annette Mollet'.

Dr. Annette Mollet
Head of Education & Training



A handwritten signature in black ink, appearing to read 'K. Suter'.

Dr. Katja Suter
Course Director

Big Data and Artificial Intelligence in Healthcare and Drug Discovery and Development

Programme Thursday, September 6, 2018

Chair: Torsten Schwede, Basel (CH)

08:00 – 08:30

Registration

Artificial Intelligence is Changing Health Care and Drug Development

Richard Bergström, SICPA SA, Zug (CH)

Use of Big Data for Drug Development and for Public and Personal Health and Care

Lada Leyens, Swissmedic, Bern (CH)

10:00 – 10:30

Coffee Break

Social Genomics: Share & Match Genomic Data on a Global Scale

Susanne Baars; Human Genome Foundation, Schildersbuurt (NL)

Evolution and Applications of Artificial Intelligence in Drug Discovery and Development

Simon Smith, BenchSci, Toronto (CA)

12:00 – 13:00

Lunch Buffet

Big Data and Artificial Intelligence: Legal and Regulatory Aspects

Burkhard Sträter, Sträter Rechtsanwälte, Bonn (GER)

Blockchain in Drug Development and Healthcare

Alex Zhavoronkov, Insilico Medicine, Baltimore (USA)

14:45 – 15:00

Coffee Break

The Potential of Machine Learning for Drug Repurposing

Ya'ara Goldschmidt, IBM Research Haifa (ISR)

Big Data and Precision Medicine

Martin Erkens, Roche, Basel (CH)

Organisation

ECPM
Institute of Pharmaceutical Medicine
University of Basel
Klingelbergstrasse 61
CH-4056 Basel
Phone +41 61 207 19 50
E-mail ecpm@unibas.ch

Registration

Via our homepage www.ecpm.ch or
<http://web.ecpm.ch/frontiers-in-dd-seminar-4>

Deadline: August 24, 2018

Registration Fee

CHF 680.–
CHF 580.– for ECPM Alumni and SwAPP/ SGPM members.
CHF 210.– for employees of universities and other nonprofit institutionsl.

The Seminar provides:

- 8 continuing education credits for SwAPP and SGPM
- 50 FPH-points in hospital pharmacy and 50 FPH-points in clinical pharmacy by GSASA

The fee includes meeting materials, lunch, breaks and coffee. After registration you will receive an invoice. For short notice registration, please provide a copy of the money transfer at the registration desk.

Cancellation

Refund of fee will be given if cancellation is received in writing before the deadline for registration, after this date no refund can be given.

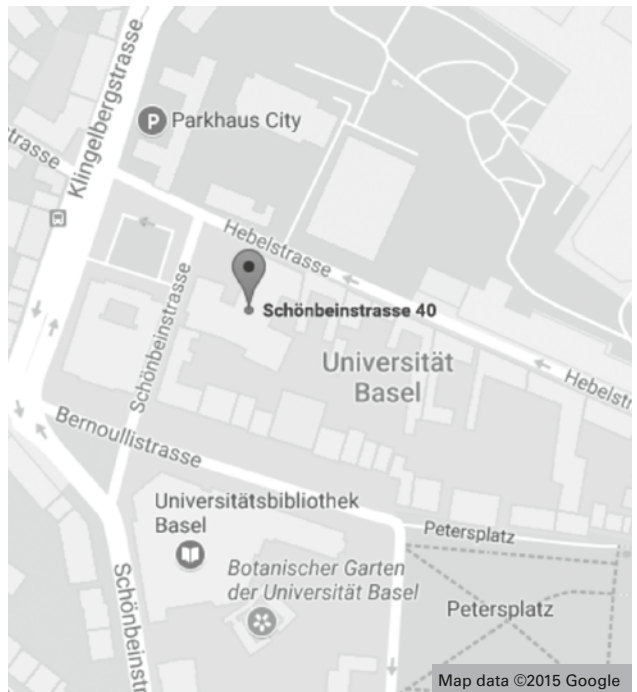
Speakers are subject to change without notice.

Course Venue

Hörsaal Pathologie
University Hospital Basel
Schönbeinstrasse 40, Basel
Switzerland

Bus to «Bernoullianum» from:
Railway station SBB and SNCF: No. 30
Railway station Badischer Bahnhof: No. 30
Airport Basel-Mulhouse: No. 50 change at railway station
SBB to No. 30

Walking distance from Marktplatz (center): 15 minutes



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