In an increasingly technological world, understanding the principles and extensive potential of Artificial Intelligence in diagnostic medical systems is key to explore its possibilities in the daily practice. For the third year, sitem-insel School offers its successful CAS course in Artificial Image in Medical Imaging by the University of Bern. As in previous years, the program is initiated by a public symposium.

PROGRAM

Welcome
10 am until 10.10 am
Opening of the Symposium
Jürgen Burger, University of Bern
Roland Wiest, Inselspital Bern

Debate: Use Case for AI
10.10 am until 11 am
Clinicians know it: TBD
Christina Granzieria, University of Basel, Switzerland
Companies know it better: AI-based education of neurological disease course - an MS discovery example
Shibeshih Belachew, Biogen, Switzerland

11 am until 11.30 am
Break

Regulatory Challenges
Chairs: Mauricio Reyes & Kuangyu Shi
11.30 am until 12 pm
Explainability and interpretability of AI software
Michaela van der Schaar, University of Cambridge, United Kingdom
12 pm until 12.30 pm
Regulatory challenges; a point of view from the authorities
TBD
12.30 pm until 1 pm
Challenges of federated learning
Spyridon Bakas, University of Pennsylvania, United States of America
1 pm until 2.30 pm
Lunch break

Integrating AI solutions in clinics
Chairs: Jürgen Burger & Roland Wiest
2.30 pm until 3.15 pm
Keynote lecture: Radiology informatics
Charles E Kahn, University of Pennsylvania, United States of America

3.15 pm until 3.45 pm
Structured reporting; linking EHR to artificial intelligence
Daniel Pinto dos Santos, Uniklinik Köln, Germany
3.45 pm until 4.15 pm
Education of MDs; how to prepare MDs and interprofessional experts
Jürgen Burger, University of Bern & Roland Wiest, Inselspital Bern

Roundtable discussion
Chairs: Marta Gehring, Swiss Biotech Association
4.45 pm until 6 pm
How to bring AI to the market
Robert (Ted) Baldwin, Imageens, France
Peter Wehrhein, Abbott, Switzerland
Prisca Quadroni, AI Legal & Strategy Consulting, Switzerland

Closing remarks & apéro
6 pm until 6.10 pm
Closing remarks
6.10 pm until 9 pm
Apéro at sitem-insel, Bern