



ai4healthschool.org

WINTER SCHOOL ON AI4HEALTH (ON LINE)

ON 10-14TH JANUARY, 2022

The latest advances in the field of AI and data science applied to health with internationally renowned speakers.

Register at www.ai4healthschool.org

End of registration period 1st of December

Replays of each session will be available to anyone who registers to the Winter School as soon as the session is over

OPENING CEREMONY BY

Ran Balicer,
(University of the Neguev, Clalit
Institute, Israel)
Using health data and AI to drive
healthcare transformation in
practice

Yoshua Bengio,
(Université de Montréal,
MILA, IVADO, Canada)
AI for Drug Discovery

I. Glenn Cohen,
(Harvard University, USA)
AI/ML in medicine: Legal and
Ethical Issues

PLENARY LECTURES BY

Wendy W. Chapman
(University of Melbourne, Australia)
Looking under the hood of the
Ferrari: how can we extract
information from clinical notes?

Finale Doshi-Velez,
(Harvard University, USA)
Interpretability in Healthcare:
Toward Human-based Validation
and Agency

Stanley Durrleman
(Inria, ICM, PR[AI]RIE, France)
Modeling and predicting
disease progression
with longitudinal data

Julia Schnabel
(University of Munich, Germany
& King's College, UK) TBD

USES CASES BY

Stéphanie Allasonnière
(Université de Paris, PR[AI]RIE,
France)
& Julien Stirnemann
(Université de Paris,
Necker hospital, France)
A decision support system
for prenatal diagnosis
of fetal anomalies by
ultrasound using statistical
learning

Bjoern Eskofier
(Friedrich-Alexander-
Universität Erlangen-
Nürnberg, Germany)
Machine Learning
and Large-Scale Sensor-based
Analysis for Movement Disorders

Melek Önen
(Sophia Antipolis, 3IA Nice
Côte d'Azur)
& Olivier Humbert
(Antoine Lacassagne Center,
3IA Nice Côte d'Azur, France)
Federated PET: a Federated
Learning initiative in a "real world"
healthcare scenario

AND HANDS-ON PRACTICAL SESSIONS ON

Disease course mapping with
longitudinal data

Argumentative analysis of clinical
text

Deep learning for brain MRI:
Adversarial generation, contrastive
and transfer learning

Federated learning for collaborative
AI in healthcare applications

Histology/survival prediction in lung
cancer from omic data

Image classification and synthesis
with deep learning

AND ALSO

A roundtable with leaders from
academic, public institutions
and companies invested in AI for
health.

A poster session with a 500€ Best
Poster Award.

And more to come...

Questions? Email us:
school@health-data-hub.fr

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