

open to
clinician scientists,
PhDs & early career
researchers

suitable for different
levels of machine
learning experience



supported by the machine
learning platform NeuroMiner

ORGANIZED BY



REGISTRATION

Website & registration



[https://neurominer-
git.github.io/NeuroMiner_1.1
/0.1_MLSchool.html](https://neurominer-git.github.io/NeuroMiner_1.1/0.1_MLSchool.html)

Fees

Lectures only: free
Lectures & Practicals: 255 €

Limited free spots for
researchers affiliated with LMU,
LMU Klinikum, MPI of Psychiatry or
KCL

Contact

Section for Precision Psychiatry,
LMU Klinikum

✉ psy-nmss@med.uni-muenchen.de



Ariane Wiegand
PostDoc Researcher &
Co-Development of NeuroMiner



Clara Vetter
PhD Candidate &
Co-Development of NeuroMiner

ONLINE MACHINE LEARNING SCHOOL

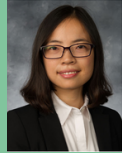
25-29 Sep 2023
Virtual event

Machine
Learning for
Clinical
Neuroscientists

EXPERT SPEAKERS



Thomas Wolfers
University of Tübingen, Germany



Tong Wang
Yale University, USA



Dominic Dwyer
University of Melbourne, Australia



MunMun De Choudhury
Georgia Tech, USA



Paris Lalouis
King's College London, UK



Theresa Willem
TU Munich, Germany



Nikolaos Koutsouleris
LMU Munich

AGENDA

Day 1

- Topic: Introduction to machine learning concepts and tools (Nikolaos Koutsouleris)
- NeuroMiner tutorial: Cross-validation & preprocessing
- Expert lecture by Thomas Wolfers

Day 2

- Topic: Machine Learning algorithms & optimization (Dominic Dwyer)
- NeuroMiner tutorial: Algorithms and optimization
- Expert lecture by Theresa Willem

Day 3

- Topic: Multi-site data correction & multi-modal data analysis (Paris Lalouis)
- NeuroMiner tutorial: Data correction and stacked generalization
- Expert lecture by Munmun De Choudhury

Day 4

- Topic: Transparent & interpretable machine learning (Ariane Wiegand)
- NeuroMiner tutorial: Interpretable machine learning
- Expert lecture by Tong Wang

Day 5

- Kaggle competition

