

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-github.io/NeuroMiner\\_1.1/0.1\\_MLSchool.html](https://neurominer-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

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Ariane Wiegand  
PostDoc Researcher &  
Co-Development of NeuroMiner



Clara Vetter  
PhD Candidate &  
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# ONLINE MACHINE LEARNING SCHOOL

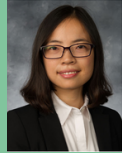
25-29 Sep 2023  
Virtual event

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 Tong Wang

## Day 4

- Topic: Transparent & interpretable machine learning (Ariane Wiegand)
- NeuroMiner tutorial: Interpretable machine learning
- Expert lecture by Munmun De Choudhury

## Day 5

- Kaggle competition

