



UNIVERSITÄT  
BAYREUTH

Brain &  
Behaviour  
Lab  
FaisalLab.org

Chair in Digital Health - Prof. Dr. Aldo Faisal



Ethomics = Ethology + Omics

# Human Ethomics

International Workshop on Real-world  
Neuroscience, Digital Biomarkers,  
Clinical Applicials & AI for Health

Monday, 30.June- 1. July

Location: Alte Spinnerei 233, Hans Hacker Str. 10

Campus Kulmbach, Universität Bayreuth, Germany

Please register via email to [faisal\\_lab@uni-bayreuth.de](mailto:faisal_lab@uni-bayreuth.de)

The workshop is accredited as continuing medical education by the Bavarian State Medical Association (No. 1451157)



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# Agenda Monday, 30.06.25

## Foundation & Mechanism

**9:30 Prof. Dr. Aldo Faisal (Universität Bayreuth & Imperial College London):** Chair's note -  
Unlocking understanding with data-driven human behaviour

**10:00 Prof. Dr. Greg Stephens (Vrije University Amsterdam & Okinawa Institute):** Quantitative  
models of Behaviour

**11:00 Prof. Dr. Constantin A. Rothkopf (TU Darmstadt):** Computational elements of human  
ethomics

**12:00 Dr. Shlomi Haar (Imperial College London):** Real-World Neurobehavioral Tracking of  
Parkinson's Disease and Treatment Effects

Lunch Break followed by **Guided walk & tour Quantitative Live-in-Lab (QLiLa)** with **Dr. Chaoyan  
Auepanwiriyaikul & Lena Patricia Nieper (Universität Bayreuth)**

## Clinical Applications (Chair: Sinead O'Connor, Ethomix Ltd)

**15:00 Prof. Dr. Martin Daumer:** Wearable based outcomes for MS

**15:40 Dr. med. Amr Nimer (Imperial College London):** The Ethomics of Neurosurgery: how machine  
learning can help identify signatures of surgical expertise

**16:20 Dr. med. Lars Masannek (Universitätsklinikum Düsseldorf):** Digital Health Technologies –  
Concepts and Clinical Translation.

**17:00 Networking Break** with Poster Session

**18:00 Round Table (live streamed) Human Behaviour: Unlocking the Missing Vital Sign with AI**

This round table is organised & broadcast in cooperation with the *Gesellschaft für Digitale Medizin*

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# Agenda Tuesday, 01.07.25

## Track A:

**9:00 Motion Capture Training Workshop for Clinical Trials & Assessments** with Dr. med. Amr Nimer and Dr. Chaiyawan Auepanwiriyaikul (registration required)

(Venue: Alte Spinnerei 124)

**11:00 Research Collaborators Workshop with Spot Lights** (by invitation)

## Track B:

**9:00 Investigator's Networking Breakfast & Coffee in Kulmbach**

(by invitation)

**13:00 Lunch**

**14:30 Tour & Talk at Klinikum Kulmbach**

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