

## **Session Program**

**25-27 Sept 2024**

### **From Multiscale Models to Digital Twins**

#### ***Multiscale Models in Neuroscience (Chair: Hermann Cuntz)***

FIAS, Lecture Hall  
Ruth-Moufang-Str. 1 60438 Frankfurt am Main

## Wednesday 25 September

17:15

18:00

### Multiscale Models in Neuroscience (Chair: Hermann Cuntz)

**Session** | **Location:** FIAS, Lecture Hall, Ruth-Moufang-Str. 1 60438 Frankfurt am Main

17:15-18:00

#### The Virtual Brain: Linking Theory and Data Towards Understanding Pathophysiological Processes

**Speaker**

Pierpaolo Sorrentino

# Friday 27 September

09:00

## Multiscale Models in Neuroscience (Chair: Hermann Cuntz)

**Session** | **Location:** FIAS, Lecture Hall, Ruth-Moufang-Str. 1 60438 Frankfurt am Main

**09:00–09:45** **A Less Artificial Intelligence**

**Speaker**

Andreas Tolias

**09:45–10:30** **Functional digital twins in visual neuroscience**

**Speaker**

Fabian Sinz

**10:30–11:00** **Coffee Break**

**11:00–11:20** **The developmental emergence of reliable cortical representations**

**Speaker**

Sigrid Trägenap

**11:20–11:40**

### Multiscale Computational Modelling in the field of 3R Animal Protection

**Speaker**

Peter Jedlička

**11:45–12:15** **Towards a Digital Twin of Human Cognitive Development**

**Speaker**

Jochen Triesch

12:15