



MAX PLANCK INSTITUTE  
FOR NEUROBIOLOGY OF BEHAVIOR  
- CAESAR

# Navigation in larval zebrafish: strategies and internal representations

**Prof. Dr. Ruben Portugues**

Institute of Neuroscience, Technical University of Munich

Ruben Portugues heads the lab „Brain Circuit Function and Dysfunction“.

<https://portugueslab.com/>

His group is interested in understanding the brain circuits that control how the brain responds to stimuli with appropriate behavior and how these circuits allow for modulation and adaptive behavior. This includes processes typically referred to as motor learning and decision-making.

His research group uses behavior, modeling, optogenetics, *in vivo* electrophysiology, and whole brain functional calcium imaging to dissect learning, memory, and action selection in the larval zebrafish.

**November 3, 2022, 4 PM**

**In-Person**

**&**

**Online**

Max Planck Institute for Neurobiology of  
Behavior – caesar, Lecture Hall,  
Ludwig-Erhard-Allee 2, 53175 Bonn

Join via Zoom  
Meeting-ID: 951 7718 5749  
Code: 820410

**FFP2 masks are mandatory**

Host: Dr. Kevin Briggman

kevin.briggman@mpinb.mpg.de

**Neuroscience Lecture**