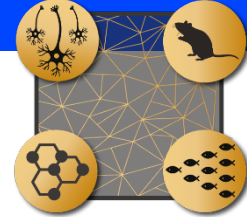




Zenith

# INTERNATIONAL PHD PROGRAM IN NEUROSCIENCE

In collaboration with SmartNets



**WEDNESDAY, 08 FEBRUARY 2023  
AT 5:00 PM (CET)**

**ZENITH SEMINARS**

**JENNIFER LI & DREW ROBSON**  
SYSTEMS NEUROSCIENCE &  
NEUROENGINEERING  
MAX PLANCK INSTITUTE FOR BIOLOGICAL  
CYBERNETICS



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## **THE ANCESTRAL ORIGIN OF COGNITIVE MAPS IN THE VERTEBRATE BRAIN**

They shall talk about the functional role of the zebrafish telencephalon.

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The RoLi lab is a joint lab formed by Drew Robson and Jennifer Li. Drew received a B.A in Mathematics and Jennifer received a B.A in Molecular Biology, both, at Princeton University. Later, they joined the labs of Florian Engert and Alex Schier at Harvard University to be awarded their Ph.D in Systems Neuroscience. Following their Ph.D, they led a joint lab at the Rowland Institute, and since 2019 have moved to the Max Planck Institute for Biological Cybernetics. Their lab has developed novel optical tools, such as a tracking microscope, and have addressed complex behaviour in the free-swimming larval zebrafish. With their broad science expertise and tools, they can bring optical and computational methods to understand neural mechanisms that control internal brain states across many timescales.

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