

Basic Techniques in Neuronal Identification and Characterization

Pre-Symposium

**REGENSBURG '26
CONSENSUS WORKSHOP**

on the taxonomy of olfactory bulb
dopaminergic neurons

Sep. 13th, 2026 | Haus der Begegnung (Hinter der Grieb 8, Regensburg)

PRELIMINARY PROGRAM

** Presentations given by members of AG Egger (Anna Huber, Esteban Pino, Hannah Spirk, Manon Leygnier Mohammad Tariq, Nicolas Reichardt and Nuha Fathima)*

PART I: Interneurons and their basic functions in neural circuits: what a mess!

04:00 p.m. - Basic concepts in neuronal signalling/sensory processing

04:15 p.m. - Fundamental inhibitory circuit motifs in Sensory Systems: Feedforward and
Feedback Inhibition (with focus on the Olfactory Bulb)

04:30 p.m. - Questions

04:35 p.m. - Brief introduction to OB-interneuron diversity (morphological/functional aspects)

04:50 p.m. - Questions/General Discussion

05:00 p.m. - Break

PART II: Techniques (05:15 – 06:15 p.m.)

- Basics in Electrophysiological Data Acquisition
- Simple Neuronal Models
- In vitro and in vivo Imaging techniques
- Microscopy/Morphology

PART III: (06:15 – 06:30 p.m.)

- A beginner's guide on how to establish a new method in your lab

DINNER / BAR