## Contents
To understand how the brain controls behavior is at the heart of neuroscience. Both brain and behavior can be overwhelmingly complex and plastic, yet neurogenetic methods are powerful tools to dissect the principles of how the brain controls behavior. The lecture and seminar will give a state-of-the-art view on current and important topics of behavioral neurobiology (incl. e.g. sleep, control of appetite and feeding, social behavior, mating, mirror neurons, molecular mechanisms of auditory-guided behavior, neurogenetic techniques) focusing on genetic model systems such as the fruit fly Drosophila, the mouse, and the nematode C. elegans.

## Intended learning outcomes
In the lecture, students acquire theoretical and methodological insights into current topics in the field of neurogenetics in general and the neurogenetics of behavior.

## Courses
(type, number of weekly contact hours, language — if other than German)
V (no information on SWS (weekly contact hours) and course language available)

## Method of assessment
(type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)
a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral examination of one candidate each (approx. 30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes)

## Allocation of places
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## Additional information
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## Referred to in LPO I
(examination regulations for teaching-degree programmes)
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## Module appears in
Master’s degree (1 major) Biology (2011)
Master’s degree (1 major) Biology (2014)