neu140 - Neurophysiology

Module label: Neurophysiology
Module code: neu140
Credit points: 9.0 KP
Workload: 270 h
Used in course of study:
- Master's Programme Neuroscience > Background Modules

Module responsibility:
- Martin Greschner

Authorized examiners:
- Alle hier genannten

Module counseling:
- Karin Dedek
- Jutta Kretzberg

Entry requirements:
Attendance in pre-meeting

Skills to be acquired in this module:
Practice: Performing electrophysiological experiments. Gaining modern methodological skills.

Module contents:
Lecture: first week, 5-4 h introduction to current neurophysiology.
Seminar: weeks 2-4, each 4 h discussion of background literature and results of own experiments.
Lab course: weeks 2-4, each 25 h electrophysiological experiments with introduction to at least two of the techniques extracellular recording / intracellular recording / patch clamp

Reader's advisory:
Background and seminar literature will be available in Stud.IP

Links:
Language of instruction: English
Duration (semesters): 1 Semester
Module frequency: jährlich
Module capacity: unlimited
Reference text:
Course in the first half of the semester

Regular active participation and presentation(s) within the scope of the seminar are required to pass the module

Modulelevel:
MM (Mastermodul)

Modulart:
Wahlpflicht

Lern-/Lehrform / Type of program:

Vorkenntnisse / Previous knowledge:

Examination:
Final exam of module: summer semester, first half

Type of examination:
Portfolio consisting of short tests and short reports

Course type:
Lecture: 2.00 SWS
Seminar: 1.00
Practical: 5.00 WiSe

Time of examination:

Frequency: 28 h
Workload: 70 h

Total time of attendance for the module: 112 h