### Module title
Pain

### Abbreviation
03-TN-P-152-m01

### Module coordinator
University Hospital, Department of Anaesthesia and Critical Care

### Module offered by
Faculty of Medicine

### ECTS
5

### Method of grading
Only after succ. compl. of module(s)

### (not) successfully completed
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### Duration
1 semester

### Module level
graduate

### Other prerequisites
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### Contents
Main topics: medical examination of patients with pain, practical courses in medical examination, immunohistochemistry/immunofluorescence of dorsal root ganglia/sciatic nerve, calcium imaging of dorsal root ganglia and in transfected HEK293 cells.

### Intended learning outcomes
In this course, students will learn about the (patho-)physiology of pain, neuroanatomical structures and therapeutic opportunities. In molecular biology-based experiments and calcium imaging in a hands-on lab course, methods in molecular pain research will be demonstrated. An insight into pain examination in the clinical routine will be given by demonstration of patients and in self-experience-based practical courses. Results will be summarised by students and discussed in a short presentation at the end of the course.

### Courses
(type, number of weekly contact hours, language — if other than German)
V (0) + P (2)

### Method of assessment
(type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)
e) presentation (20 to 45 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) Translational Neuroscience (2015)
- Master’s degree (1 major) Translational Neuroscience (2017)
- Master’s degree (1 major) Translational Neuroscience (2018)
- Supplementary course Translational Neuroscience (2018)