# Module description

## 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

- V (0) + P (2)

## Method of assessment

- 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)