

NeuroScience

Location

Campus Offenburg, room STB 0.01 (Steinbeisgebäude)

Profile and objectives

The NeuroScience laboratory is aimed at students of the Master's programme in Medical Technology. Here, neuroscientific connections are to be demonstrated in an exemplary way. The student should also learn to find out and understand interrelationships in various experiments.

Scientific head of laboratory

Prof. Dr. med. Andreas Otte

Laboratory assistant

Simon Hazubski, B. Sc.

Equipment

The NeuroScience laboratory offers the following modern workstations:

- workstation No. 1: NeuroSimulation
 - age simulation
 - Wernicke-Mann-Hemiparesis-Simulation

- workstation No. 2: Colour-Doppler-Sonography
 - Colour-Doppler-Sonography of the carotid artery (inc. measurement)
 - Simulation of carotid perfusion conditions in stenosis on the model

- workplace No. 3: Electromyography (EMG)
 - Muscle Endurance Test Neck Muscles
 - Muscle Endurance Test Low Back Muscles

- workplace No. 4: Electroencephalography (EEG)
 - BIOPAC EEG II Professional Lesson
 - Advanced Brain Monitoring B-Alert X10 mobiles EEG-System

- workplace No. 5: Functional Near Infrared Spectroscopy
 - live Brain perfusion measurements

- workplace No. 6: NeuroStimulation
 - tremor simulation
 - Neurostimulation
 - artificial neural networks

Internships and Tutorials

The experiments are carried out in small groups.

Further information

s. Moodle "Labor NeuroScience"