

## Module description

Module title					Abbreviation	
Cellular Neurobiology 03-TN-CN-142-mo1					03-TN-CN-142-m01	
Module coordinator				Module offered by		
holder of the Chair of Clinical Neurobiology				Faculty of Medicine		
ECTS	Metho	od of grading	Only after succ. con	npl. of module(s)		
5	numerical grade					
Duration Mod		Module level	Other prerequisites	er prerequisites		
1 semester graduate						
Contents						
behavioural tests in mouse models for motoneuron diseases; functional and morphological analysis of motoneurons and motor endplates, neural stem cells: characteristics, approaches for therapeutic strategies, anatomical, cellular/neuronal plasticity at selected brain structures, e. g. hippocampus and cerebellum (mouse model), immunohistochemistry/immunofluorescence in hippocampal/cerebellar slices, confocal microscopy, primary neuron preparations of dorsal root ganglia and hippocampal neurons, mouse perfusion, cLabs/Neuron to simulate various electrophysiological conditions, whole cell patch clamp recordings to determine ion channel properties.						
Intended learning outcomes						
ction and pathomechanisms of neural models systems. The students will have examined clinical aspects of neurobiology with a focus on the molecular, cellular and physiological mechanisms. Additionally, they will have learned how to document their own data that they collected during lab courses. In addition, the students will have learned to critically reflect their data in the context of the experimental methods used.						
Courses (type, number of weekly contact hours, language — if other than German)						
V + P (no information on SWS (weekly contact hours) and course language available)						
<b>Method of assessment</b> (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)						
log (approx. 10 to 30 pages)						
Allocation of places						
Additional information						
Workload						
Teaching cycle						
Referred to in LPO I (examination regulations for teaching-degree programmes)						
Modulo appears in						
Module appears in keinem Studiengang zugeordnet						
nemem studiengang zugeorunet						

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