Course title: Animal models in neuroscientific research								
Identification numberWorM-Neuro-AM10 a-b270h		Worklo	bad	Credits 9	Frequency of occurrence	Duration		
		270h			WS/SS	Two semesters		
1	Type of lessons a) lecture b) practice	а	Contact a) 42 b) 28		Self-study times 170h (Preparation and post-processing of lectures, practical and exam)	 Intended group size a) ca. 7 students b) ca. 7 students per supervisor 		
2	neuroscie and which functions. • Students r behavior i • Extra- + in Phenotyping of m • Using sele	oouse mi of this co nce. Stur test mo need to a n experi tracellul oouse mi octed exa	utants: ourse i dents l odels a acquire imenta lar der utants: amples	E Learning s related t nave to lea re availabl e knowled l animals. ivation teo s Morphol , the stude	o the main principles of ani arn how behavioral testing is e for the reliable and valid t ge, related to the various lin Also, the limitations of anin chniques in vivo + in vitro ogy	mal behavior models in s done in experimental animals sesting of learning and memory nitations of unimodal testing of nal models will be discussed. analysis of a mouse mutant		
;	 Various as Anxiety Depressio Locomoto Learning a Phenotypi 	ing of m spects of n r activity and men ing of m	f behav y nory te <u>ouse m</u>	rioral mod sts nutants: M	lorphology	tc		
ļ	Comparative anatomy and histology of selected mouse mutants Teaching/Learning Methods Seminar format; instruction for independent practical work, presentation							
5	Requirements for participation Enrollment in the Master's degree course "Experimental and Clinical Neurosciences" at the University of Cologne Content: Basic knowledge in biology, neuroanatomy and neurophysiology is desirable.							
5	Type of module examination Preliminary Examinations: Regular participation and active cooperation, sufficient preparation for the topics Final examination: one-sided writing of the module content, practice evaluation							
7	-	Requirement for the allocation of credits Successful practice evaluation and paper						
3	Compatibility with none	h other (Curricu	ıla				
)	Significance of the				-			
	In the Master's de also appendix of t	-		-		es": 9% of the overall grade (see		

 Module coordinator Teaching coordinator: UnivProf. Dr. Hannsjörg Schröder, Tel. 5209, <u>schroeder.anatomie@uni-koeln.de</u> Teachers: Dr. A. Blokland, Universiteit Maastricht, UnivProf. Dr. H. Schröder				
 Additional information Literature: Basso DM, Beattie MS, Bresnahan JC: A sensitive and reliable locomotor rating scale for open field testing in rats. J Neurotrauma 1992 9:S129-133 Crusio and Gerlai: Handbook of molecular-genetic techniques for brain and behavior research Paxinos G, Franklin K: Mouse Brain in Stereotaxic Coordinates Academic Press Watson C, Paxinos G, Puelles L, The Mouse Nervous System, Academic Press 				