

Module Title: Clinical Neuroscience II				
Module Identification-Nr.	Workload	Credits	Frequency of Occurrence	Duration
M-Neuro-AM11 a-d	180h	6	Winter term	one semester
1	Type of lessons a) Lectures b) Practical	Contact times a) 36 h b) 14 h	Self-study times 130 h (preparation & postprocessing, lectures and practical, exam preparation)	Intended group size a) max. 15 b) max. 15
2	Aims of the module and acquired skills Students who successfully completed this module have acquired detailed knowledge about clinical disorders of children and adolescents. The main objective is to become acquainted with neurobiological and neuropsychological disease models of psychiatric illnesses. This includes an introduction into diverse neuroscientific working methods, for example psychopathological examination, current systems of classification of psychiatric diseases, electrophysiological methods (EEG, event-related potentials) and non-invasive brain stimulation (TMS, tDCS).			
3	Contents of the module <ul style="list-style-type: none"> • Psychopathological examination • current systems of classification of psychiatric diseases (DSM-5/ ICD-10) • genetic, cognitive neuroscientific disease models of autism spectrum disorder, attention-deficit/hyperactivity disorder, schizophrenia, tic disorder, anxiety disorder, obsessive-compulsive disorder, post-traumatic stress disorder, eating disorder, depression, enuresis/encopresis, sleep disturbances • therapy approaches to different psychiatric diseases • neurophysiological investigation to elucidate underlying neurobiological pathologies behind psychopathology 			
4	Teaching/Learning methods Lectures; practical examples of treatment processes; training on presentation techniques in oral form or transformation from scientific knowledge into a creative and child-oriented work			
5	Requirements for participation Enrollment in the Master's degree course "Experimental and Clinical Neuroscience"			
6	Type of module examinations For the final examination, the students have to create a storybook for children or adolescents, which illustrates one of the previous introduced psychiatric disorders.			
7	Requisites for the allocation of credits Regular and active participation; examination part at least "sufficient" (see appendix of the examination regulations for details)			
8	Compatibility with other Curricula Formal: Elective module in the Master's degree course "Experimental and Clinical Neuroscience" Contentual: basic knowledge in neuroanatomy, neurophysiology and biology			

9	<p>Significance of the module mark for the overall grade In the Master's degree course "Experimental and Clinical Neuroscience": 6% of the overall grade (see appendix of the examination regulations for details)</p>
10	<p>Module coordinator: Dr. Pamela Roland, Tel. 0221-47898335, pamela.roland@uk-koeln.de Participating faculty: Prof. Dr. Stephan Bender , Tel. 478-4370, stephan.bender@uk-koeln.de</p>
11	<p>Additional information Literature:</p> <ul style="list-style-type: none"> • current literature is announced in class • papers and handouts will be uploaded in KLIPS 2.0