

**Course Title: Neurological and Psychiatric Diseases**

<b>Module Identification-Nr.</b>	<b>Workload</b>	<b>Credit Points</b>	<b>Frequency of Occurrence</b>	<b>Duration</b>
M-Neuro-AM13	180h	6	SS	1 Semester
1	<b>Type of lessons</b> a) Lectures (L)	<b>Contact times</b> a) 24h	<b>Self-study times</b> 156 h	<b>Intended group size</b> max. 10
2	<b>Aims of the module and acquired skills</b> Neurology, psychiatry and neurosurgery are central clinical disciplines for diagnosing and treating patients with diseases of the nervous system. As the number of patients with diseases like stroke, Parkinson's disease, dementia and schizophrenia are still increasing due to various demographic and social factors, there is a strong need of developing new diagnostics and treatments in order to improve the quality of life, participation and functional independence of affected patients and their proxies. Here, neuroscientific research plays a pivotal role to further our understanding on the pathophysiology underlying these diseases. These kinds of research have already led to a number of clinical breakthroughs in the past decade in various neuro-psychiatric disciplines. This lecture series aims at providing a representative overview on key diseases of the nervous system and how these diseases are addressed by world leading research groups at the University Hospital Cologne.			
3	<b>Contents of the module</b> <ul style="list-style-type: none"><li>• Stroke</li><li>• Parkinson's disease</li><li>• Brain Tumor</li><li>• Epilepsy</li><li>• Neuropathy and Motor Neuron Diseases</li><li>• Clinical Neuropsychology</li><li>• Dystonia in Children</li><li>• Deep Brain Stimulation</li><li>• Tic Disorders in Children</li><li>• Dementia</li><li>• Depression</li><li>• Autism</li></ul>			
4	<b>Teaching/Learning methods</b> Lecture, Term Paper (at least 10 pages, max 20 citations)			
5	<b>Requirements for participation</b> Enrollment in the Master's degree course "Experimental and Clinical Neurosciences" at the University of Cologne			
6	<b>Type of module examinations</b> Preliminary Examinations: Regular participation and active collaboration Final examination: paper			
7	<b>Requisites for the allocation of credits</b> Successful submission of the paper			

8	<b>Compatibility with other Curricula*</b> none
9	<b>Significance of the module mark for the overall grade</b> In the Master's degree course "Experimental and Clinical Neuroscience": 6 % of the overall grade (see also appendix of the examination regulations)
10	<b>Module coordinator: Prof. Dr. Dr. Maria Adele Rüger</b> <b>Participating faculty: Medicine</b> <b>Lecturing tutors:</b> Prof. Dr. Michael Barbe (Parkinson's disease), PD Dr. Carolin Weiss Lucas (Brain Tumor), Prof. Dr. Elke Kalbe (Neuropsychology), Prof. Dr. Stephan Bender (Tic Disorders) PD Dr. Michael Malter (Epilepsy), Dr. Christian Schneider (Neuropathies), PD Dr. Anne Koy (Dystonia), Prof. Veerle Visser-Vandewalle (Deep Brain Stimulation), PD Dr. Özgür Onur (Dementia), Prof. Dr. Frank Jessen (Depression), Prof. Dr. Kai Vogeley (Autism) Dr. Helene Walter (Stroke)
11	<b>Additional information</b> <b>Literature: n/a (lecture series)</b> <b>General time schedule: weekly lecture, Mondays 2pm – 4pm</b> <b>Participating institutions: Neurology, Neurosurgery, Neuropsychology, Psychiatry, Pediatrics, Child &amp; Adolescent Psychiatry, Stereotaxy, Psychiatry</b>