

<b>Module title</b>		<b>Abbreviation</b>
Psychiatric Neurosciences		03-TN-PSYT1-142-m01
<b>Module coordinator</b>		<b>Module offered by</b>
University Hospital, Department of Psychiatry, Psychosomatics and Psychotherapy		Faculty of Medicine
<b>ECTS</b>	<b>Method of grading</b>	<b>Only after succ. compl. of module(s)</b>
5	numerical grade	--
<b>Duration</b>	<b>Module level</b>	<b>Other prerequisites</b>
1 semester	graduate	--
<b>Contents</b>		
<p>Basic knowledge about the characteristics of various psychiatric disorders, the proposed neurobiological basis (e. g. gene by environment interaction) as well as treatment options: - anxiety disorders, - depression (uni-polar and bi-polar), - schizophrenia, - ADHD, - dementia (Alzheimer's disease), - Parkinson's disease. Brain regions and neurotransmitter systems involved in neuronal networks involved in experiencing anxiety and fear, attentional networks, learning and memory, and their importance for emotionality in humans. Analysis of gene variants and their association with various psychiatric disorders and behavioural traits; animal models for psychiatric disorders, gene by environment interaction; neuroadaptive mechanisms as a result of stress exposure during different periods of lifetime; resilience, epistatic load hypothesis, mismatch hypothesis; anatomical, cellular/neuronal plasticity at selected brain regions, e. g. hippocampus and amygdala.</p>		
<b>Intended learning outcomes</b>		
<p>Students who successfully completed this module will have gained an overview of the characteristics of diverse psychiatric disorders. They will have acquired insights into the neurobiological basis of the etiopathogenesis of these disorders (e. g. which neurotransmitter systems and brain regions are involved), how they are treated and into current concepts and experimental approaches studying these psychiatric disorders.</p>		
<b>Courses</b> (type, number of weekly contact hours, language – if other than German)		
V (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)		
<p>methods of assessment: a) written examination (30 to 60 minutes; including multiple choice questions) or b) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes); students will be informed about the method, length and scope of the assessment prior to the course Language of assessment: English</p>		
<b>Allocation of places</b>		
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<b>Additional information</b>		
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<b>Workload</b>		
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<b>Teaching cycle</b>		
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<b>Referred to in LPO I</b> (examination regulations for teaching-degree programmes)		
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<b>Module appears in</b>		
keinem Studiengang zugeordnet		