

Module title		Abbreviation
RNA-Metabolismus/ RNA metabolism		03-TN-RM-172-m01
Module coordinator		Module offered by
Institute of Clinical Neurobiology		Faculty of Medicine
ECTS	Method of grading	Only after succ. compl. of module(s)
5	(not) successfully completed	--
Duration	Module level	Other prerequisites
1 semester	graduate	--
Contents		
<p>Each week a high-impact paper from the current literature that describes RNA-based mechanisms contributing to neurodegeneration is jointly analyzed in depth. Emphasis is placed on understanding of novel approaches for investigating RNA. The course organizer will give a short introduction at the beginning of each seminar describing the background for the paper to be discussed. Afterwards, students individually describe the original data and jointly discuss their relevance. Individual topics include: RNA expression, function and localization; RNA dysregulation in neurodegenerative diseases; high-throughput sequencing methods for transcriptome analysis; properties and functions of RNA-binding proteins.</p>		
Intended learning outcomes		
<p>After successful completion of this module, students will have gained a deeper understanding of current RNA-based research in the area of neurodegeneration. This outcome is achieved by a weekly in-depth analysis of a current article in this field. Students will become familiar with many techniques applied in RNA research and will learn how to critically interpret the results in the context of neurodegenerative diseases. By doing so, students will be able to evaluate methodological advances in RNA research and obtain a deeper understanding of the pathomechanisms underlying neurodegeneration. Through discussion and active participation, students will improve their communication and analysis skills.</p>		
Courses (type, number of weekly contact hours, language – if other than German)		
S (0)		
Method of assessment (type, scope, language – if other than German, examination offered – if not every semester, information on whether module is creditable for bonus)		
<p>a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (approx. 10 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) Language of assessment: English</p>		
Allocation of places		
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Additional information		
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Workload		
150 h		
Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
<p>Master's degree (1 major) Translational Neuroscience (2017) Master's degree (1 major) Translational Neuroscience (2018) Supplementary course Translational Neuroscience (2018) Master's degree (1 major) Translational Neuroscience (2022)</p>		



Supplementary course Translational Neuroscience (2022)