



**IMPRS on Cognitive NeuroImaging
Module 1: Core Course
Foundations of Neuroscience**

03–27 November 2025

Theoretical parts				
Date	Time	Topic	Lecturer	Venue
03 November	09:30–11:00	Introduction to neuroscience	Prof. Markus Morawski	MPI CBS, Charlotte Bühler Room C402
	11:15–12:45	Neurons and glia		
04 November	09:30–11:00	Inventory of the vertebrate cortex	Prof. Marc Schoenwiesner	
	11:15–12:45	Structure of the nervous system I	PD Dr Veronica Witte	
	14:00–15:30	Structure of the nervous system II		
05 November	09:30–11:00	From sensation to cognition	Dr Sofie L. Valk	
	11:15–12:45	Cerebellum	Dr Sofie L. Valk	
06 November	09:30–11:00	Visual system	PD Dr Veronica Witte	
	11:15–12:45	Chemical senses und somatosensory system	Dr Michael Gaebler	
	14:00–15:30	Autonomic nervous system	Dr Michael Gaebler	
07 November	09:30–11:00	Vestibular system and auditory system I & II	Prof. Marc Schoenwiesner	
Practical parts				
Date	Time	Topic	Lecturer	Meeting point
11 November	09:00–12:00 & 13:00–16:00	Neurohistology/neuroimaging	Prof. Markus Morawski and team	Foyer, Paul Flechsig Institute, Liebigstr. 19, University of Leipzig Medical Center
		Microscopical imaging in neuroscience		
12 November	14:00	Brain section (Lab coats!)	Prof. Ingo Bechmann and team	Foyer, Department of Anatomy, Liebigstr. 13, University of Leipzig Medical Center
27 November	09:00–16:00	Literature seminar	All instructors	MPI CBS, Dorothea Erxleben Room C004

Organiser

International Max Planck Research School on Cognitive NeuroImaging (IMPRS CoNI)

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MAX PLANCK INSTITUTE
FOR HUMAN COGNITIVE AND BRAIN SCIENCES



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Note

This course is mandatory for all doctoral researchers at IMPRS on Cognitive NeuroImaging. For the practical parts on November 11 and 12, lab coats are required (can be borrowed from the IMPRS office).

Conditions for receiving credits

What? 20 min presentation of a scientific paper (chosen from a list provided at the beginning of the course by IMPRS CoNI) plus 10 min critical discussion and contribution to peer feedback on others' presentations during the literature seminar on 27 November 2025

Suggested readings

Wickens, A. P. (2014). A history of the brain: From stone age surgery to modern neuroscience. London: Psychology Press. <https://doi.org/10.4324/9781315794549>
ISBN 1848723652

Bear, M. F., Connors, B. W., & Paradiso, M. A. (2020). [Neuroscience: Exploring the brain](#). Jones and Bartlett.
ISBN-10 1284211282
complete book freely available online

Kandel, E. R., Koester, J. D., Mack, S. H., & Siegelbaum, S. (2021). Principles of neural science, 6e. McGraw Hill.
ISBN-10 1259642232

Nieuwenhuys, R., Voogd, J., & van Huijzen, C. (2007). [The human central nervous system: A synopsis and atlas](#). Springer. ISBN-10 3540346848
complete book freely available online from MPS intranet

These materials are available at the MPI CBS library, also as ebooks. If you don't know how to access them, please contact the library staff (bibliothek@cbs.mpg.de).

