Module Name
Seminar Neuroscience

Type of Module	**Module Code**
o Basic Module	Neurobiology Seminar

Identification Number	**Workload**	**Credit Points**	**Term**	**Offered every**	**Start**	**Duration**
MN-B-N 2	180 h	6 CP	1st term of studying	Winter term	Winter term only	1 term

1	**Course Types**	**Contact Time**	**Private Study**
	Seminar	52 h	128 h

2 Module Objectives and Skills to be Acquired

Students who successfully completed this module

- have acquired an understanding of important techniques used in the neurosciences.
- are able to critically read, interpret and discuss research papers in the neurosciences.
- have learned how to present a research paper in oral form on a demanding level.

3 Module Content

The Seminar on research papers in Neuroscience covers a broad spectrum of topics, as e.g.

- Neurogenetics
- Electrophysiology
- Neuroanatomy
- Development
- Neuromodulation
- Motor control
- Computational neuroscience

4 Teaching Methods

- Seminar; Group discussions; Guidance to critical interpretation of literature; Training on presentation techniques in oral form

5 Prerequisites (for the Module)

Enrollment in the Master's degree course "Master of Science in Neuroscience" or in the Master's degree course "Experimental and Clinical Neuroscience"; Simultaneous participation in the lecture module Neuroscience and in the tutorial module Neuroscience

6 Type of Examination

Oral presentation (100 % of the total module mark)

7 Credits Awarded

Regular and active participation; Oral presentation at least "sufficient"

8 Compatibility with other Curricula

Optional compulsory module in the Master's degree course "Experimental and Clinical Neuroscience"

9	**Proportion of Final Grade** 7.5 %
10	**Module Coordinator** Dr. Matthias Gruhn, phone 470 3103, e-mail: mgruhn@uni-koeln.de
11	**Further Information** **Participating faculty:** Prof. Dr. S. van Albada, Prof. Dr. A. Büschges, Prof. Dr. H. Endepols, Dr. Henning Fenselau, Dr. M. Gruhn, Prof. Dr. K. Ito**,** Prof. Dr. P. Kloppenburg, Prof. Dr. O. Masseck, Prof. Dr. M. Nawrot, Dr. T. Riemensperger, Prof. H. Scholz, Prof. Dr. Valtcheva **Literature:** • Information about textbooks and other reading material will be given on the ILIAS representation of the course (see https://www.ilias.uni-koeln.de/ilias/goto.php?target=cat_2815610&client_id=uk) **General time schedule:** Weeks 1-14: Seminars and oral presentations (starting at 2:00 p.m. at different dates, more details will be given in the introduction to the module). **Introduction to the module:** October 13th, 2025 at 1:00 p.m., room 1.007, Biocenter (further information/link will be sent to your Smail-Account); for preparation to the module before this introduction see ILIAS link above.