

# Lab Rotation

## Lab Rotation

im Master-Studiengang Computational Neuroscience  
Master Program Computational Neuroscience

### 1. Anmeldung / Application

Name des Studierenden/student's name:

Matrikelnummer/Matriculation number:

Name des Betreuers:  
supervisor's name:

Adresse des Betreuers:  
supervisor's address:

Titel der Lab Rotation:  
title of lab rotation:

BCCN-Betreuer (für externe Lab Rotations):  
name of BCCN supervisor (for external Lab Rotations):

Kurzbeschreibung angefügt:  
short description attached:

Schwerpunkt/Focus

experimentell/experimental

theoretisch/theoretical

Zeitraum/Datum (max. 7 Wochen):  
Time period (maximum of 7 weeks):

Project proposal und Zeitplan angenommen, „Guidelines“ (Seite 3) zur Kenntnis genommen:  
Project proposal and work schedule approved, „Guidelines“ (p. 3) read:

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Datum, Unterschrift des Antragstellers  
date, signature student

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Datum, Unterschrift des BCCN-Betreuers  
date, signature head supervisor

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Datum, Unterschrift des zuständigen  
Prüfungsausschusses  
date, signature head of examination committee

## 2. **Bewertung des Berichtes und der Präsentation / Evaluation of project report and presentation**

Name des Studierenden:  
student's name:

Titel der Lab Rotation:  
title of lab rotation:  
(same as on page 1)

Bewertung der Präsentation  
Evaluation of the presentation

bestanden  
passed

nicht bestanden  
not passed

Ort/Format der Präsentation  
Location of project presentation

Datum der Präsentation/date of  
presentation

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Datum, Unterschrift, Stempel des BCCN Betreuers  
Date, signature, seal of the BCCN supervisor

## Lab Rotation Guide

### General facts

The curriculum comprises three lab rotations. At least **one project** has to have an **experimental** focus, at least one project a **theoretical** focus. A theoretical lab rotation consists of a modeling task or an extended data analysis; a simple data analysis does not count as a theoretical lab rotation. Each project shall be completed in a different working group of the Center. **One lab rotation can be done in an external place.** Time frame of a lab rotation is seven weeks including report and presentation.

In agreement with her/his mentor and the future supervisor of the project, the student will determine the topic and work schedule. Topic and work schedule must be approved by the examination board, whereby – as a general rule – the student's proposal should be complied with.

The head of the examination board can approve all project proposals except those where he is the supervisor or the mentor. In such cases, the vice-head can approve the proposals.

Students should not be paid for the work on their lab rotation. However, work done as a student research assistant can be used for a lab rotation.

### TU examination office

Lab rotations are 'Study achievements equivalent to the examination'. They can be registered with the TU examination office after the achievements have been accomplished. Students have to submit the form for the registration of Lab Rotations (**Laufzettel for the Examination Office**) completed with the signatures of all supervisors and of the person responsible for the module.

### Teaching and Learning Methods

The students will work on original publications (in English) and prepare a '**project proposal**' under supervision (1,5 weeks). They will work on the **scientific question** (4 weeks), **write a report and present their research project** in an oral presentation (1,5 weeks). The main goal of a lab rotation is to gain **insight into laboratory work and to learn methods**. Obtaining scientific results is not the main goal and usually not possible in the short time.

### Workload and Credits

Literature research and 'project proposal': 60h (1,5 weeks @ 40h/week) Work on scientific project: 150h (4 weeks @ 40h/week minus 10 hours) Presentation and project report: 60h (1,5 weeks @ 40h/week).  
Total: 270h / 9 credit points

### Evaluation of the project report and project presentation

The project report shall be corrected by the supervisor. It shall be written according to the "Guidelines for Writing a Scientific Report"; maximum length is five pages. The student should be given the opportunity for corrections of the project report according to the supervisor's comments. The student should finish the report and give the presentation within the seven weeks. The examination board can grant an extension upon request. Alternatively, it is allowed to prepare a poster instead of one of three lab rotation reports, according to the prior agreement with the lab rotation supervisor. Students are welcome to present their posters at the annual lab rotations symposium for BCCN master students or at the yearly retreat's poster session.

The project presentation shall take place during a lab meeting of the supervisor's group.

The project will be assessed by the supervisor and will be graded as 'pass' or 'fail'. A written assessment is not required. A copy of each written LR reports must be submitted to the coordination office (as pdf file).

If the lab rotation is done **outside** the Center, the **mentor** is responsible for choice of the project topic, the work schedule, as well as the assessment of the project report. In agreement with the mentor another supervisor of the BCCN can be appointed for supervision of the **external lab rotation**.