

HOW DOES THE BRAIN STORE
AND RETRIEVE INFORMATION?

HOW DOES THE BRAIN COMPUTE
DIFFERENT ASPECTS OF THE
VISUAL SCENE?

HOW DO NEURONS GROW AND
FIND PARTNERS? HOW DO NEURONS
RECOVER AFTER INJURY?

MASTER Neuroscience

JOHANNES GUTENBERG
UNIVERSITÄT MAINZ



4th term Master Thesis

You choose your
favourite project in one
of the neuro-labs in Mainz
(www.ftn.uni-mainz.de)

3rd term Extended Qualification

Project work

Includes courses in:

Experimental
Animal Research
Genetic
Engineering
Advanced
Microscopy
Scientific Writing

2nd term Module A | B | C

1st term Module A | B | C

Students choose between
different modules,
combining lectures,
practical courses,
seminars (A/B modules) and
lab rotations (C modules)

MODULES PER TERM

TARGET GROUP | You are fascinated by the question how neural systems function? You would like to employ the power of genetic model systems in studies reaching across scales to approach brain function? Then, the Master's neuroscience program is exactly what you are looking for!

CAREER | The Master's program gives you the opportunity to gain special knowledge in neurobiology by learning and using methods that range from behavioral analysis, optogenetics, electrophysiology, in vivo and super resolution microscopy to gene editing. You will be qualified for a doctoral thesis enabling excellent career perspectives in academia and industry. Can you imagine your future there?

ADMISSION REQUIREMENTS | Prerequisite for enrolment to the program is a Bachelor's degree in Biology, Biophysics, Biochemistry, Molecular Biology or Bioinformatics (or comparable). Students with a bachelor in physics, mathematics or chemistry are also invited to apply, and will acquire additional biological knowledge. Language skills in English at least at level B2 are required, no German language skills are necessary.

STUDY PLAN | The master's course is designed for two years (4 terms) and includes a broad program of practical courses, as well as lectures and seminars. Moreover, you will get insights into current research topics of several labs before completing the program with a master thesis in a neuroscience topic of your interest. An overview of all modules is presented on the left side.

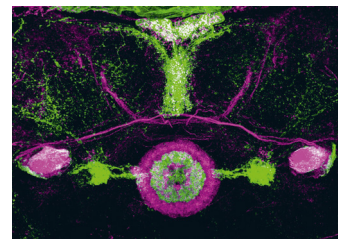
<https://www.blogs.uni-mainz.de/fb10-biologie-eng/master-neuroscience>

CONTACT & E-MAIL

Prof. Dr. Martin Heine | marthein@uni-mainz.de

Prof. Dr. Roland Strauss | rstrauss@uni-mainz.de

You can start in winter
or summer term!



SCAN ME

