

# International Graduate Program Medical Neurosciences

MedNeuro

## Program

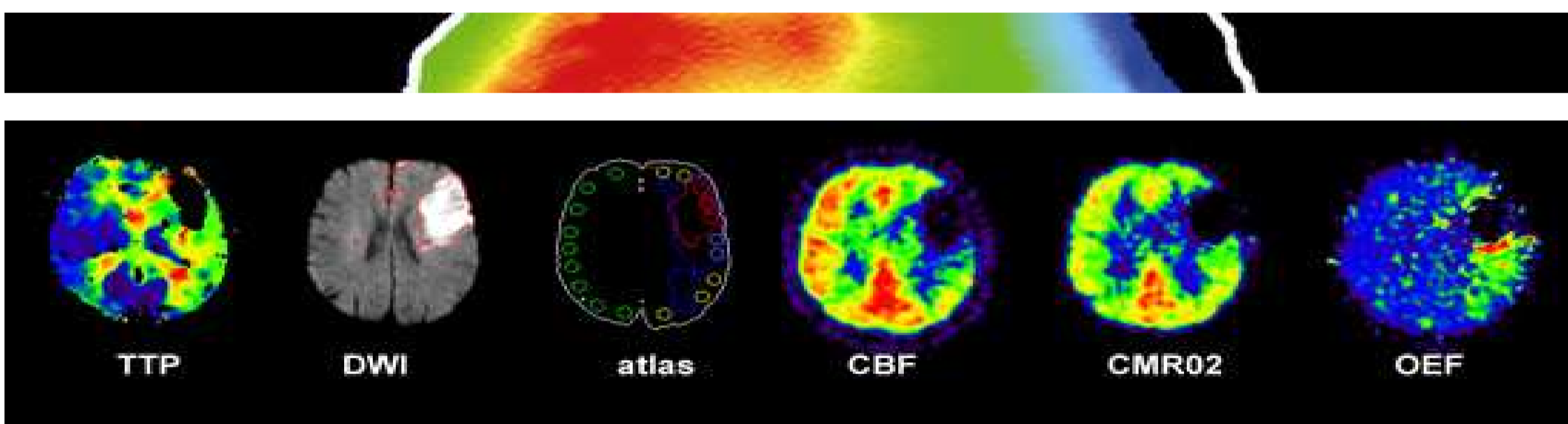
**Aim** Medical Neurosciences focuses on translational research. The main objective is to bridge the gap between successes at the bench and – currently - less than satisfactory treatment at the bedside. To do so, we integrate basic laboratory research and the clinic in terms of faculty, students, course content and infrastructure.

**NeuroCure** Since 2008 the program is an integral part of the Cluster of Excellence NeuroCure funded by the German Excellence Initiative.



**Network** In addition to Charité scientists, the program is carried by research laboratories of the Max-Delbrück-Center for Molecular Medicine, the Leibniz Institute for Molecular Pharmacology and the Max Planck Institute for Human Development.

## Research Areas



- Basic Neurobiology
- Neuroanatomy
- Neurophysiology
- Synaptic Plasticity and Neural Excitability
- Neuroimmunology
- Neuroendocrinology
- Sensory and Motor Systems
- Neurodegenerative Diseases
- Developmental Neuroscience
- Cognitive Neuroscience
- Behavioral Neuroscience

## Contact Details



International Graduate Program Medical Neurosciences

Scientific Director: Prof. Dr. Helmut Kettenmann

Scientific Coordinator: Dr. Benedikt Salmen

Program Office: Lutz Steiner – lutz.steiner@charite.de

[www.medical-neurosciences.de](http://www.medical-neurosciences.de)

## Doctoral Candidates

**Currently 67 Doctoral Students in Total**

### Academic Background

36% biological sciences

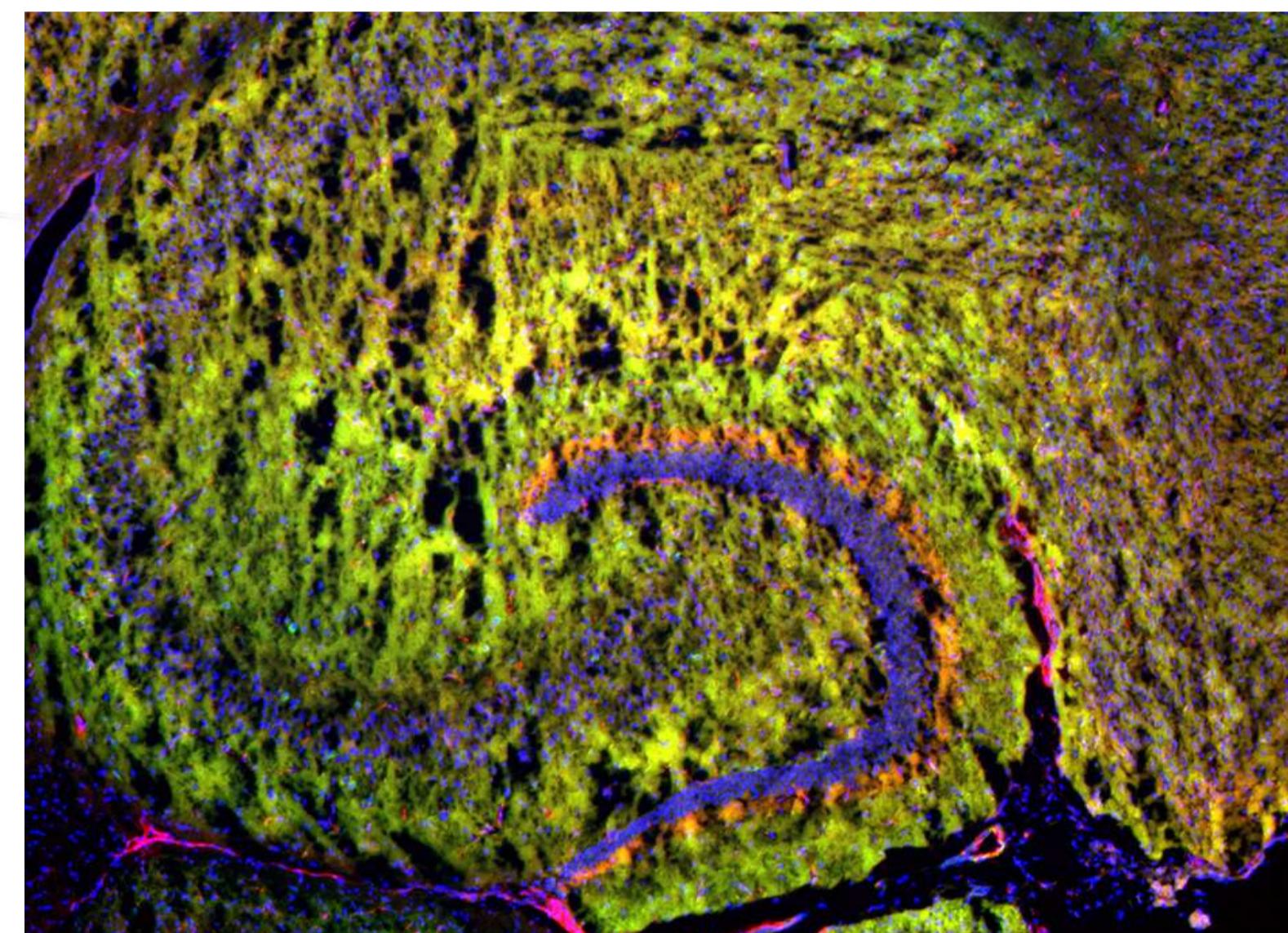
30% medicine

34% other sciences

**International Students:** 53%

**Gender Distribution:** ♀ 49% ♂ 51%

**Graduates since 2001:** 16



## Doctoral Education

**Structure** During the 3-year PhD program, students primarily work on their research project in one of the participating labs. In addition to the lab work, students extend their neuroscience expertise by classes, colloquia or lecture series. This scientific training is complemented by courses in academic writing, statistics and other complementary skills courses.

### Elements of the PhD Training



**PhD Trainings** Medical Neurosciences offers a monthly PhD training day. Topics can range from "**Cross talk between the nervous and the immune system**" to "**On learning, memory and changes in synaptic transmission**", depending on the research group that hosts the training. Complementary skills trainings such as scientific writing or giving presentations are also part of the program.

### Medical Neurosciences offers

- Practical courses, seminars, lectures and workshops
- Training in complementary skills
- Individual guidance and mentoring
- PhD Symposia
- Access to research facilities across Berlin
- A large network to exchange ideas
- A clear emphasis on translational research

This program is a member of

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