



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Doctorate



## GGNB Systems Neuroscience (PhD)

University of Göttingen • Göttingen

### Overview

Degree	PhD (Division of Mathematics and Natural Sciences) or, alternatively, Dr rer nat
In cooperation with	German Primate Center (DPZ), Max Planck Institute for Multidisciplinary Sciences (MPI-NAT), Max Planck Institute for Dynamics and Self-Organization (MPI-DS)
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	English
Full-time / part-time	<ul style="list-style-type: none"><li>full-time</li></ul>
Programme duration	6 semesters
Beginning	Only for doctoral programmes: any time
Application deadline	Application is possible independent of deadlines.
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>The doctoral programme of the Center for Systems Neuroscience (CSN) focuses on these three topics:</p> <ol style="list-style-type: none"><li>1. Translational neuroscience focuses on research that enables the transfer of results from basic science to human diseases. Core topics include neurodegenerative diseases, schizophrenia and neuroprotection.</li><li>2. Functional brain imaging techniques have developed into one of the most versatile tools in neuroscience. In Göttingen, a cluster of EEG labs flanks two groups that operate several MRI systems at different field strengths for the use on humans and experimental animals. Collaborative projects focus on research addressing human brain disorders (including rodent models) and sensory information processing.</li><li>3. Comparative studies on non-human primates (NHP) and humans: The German Primate Center (DPZ) provides unique opportunities for systems level neuroscience research. Research foci include basic research into higher-level processes in the visual cortex (e.g. attention, motor planning) and clinical and translational research on sensory deficits as</li></ol>

well as neurological and psychiatric human diseases.

## Course Details

Course organisation	<p>The doctoral programme in "Systems Neuroscience" is part of the Göttingen Graduate Center for Neurosciences, Biophysics, and Molecular Biosciences (GGNB). It is hosted by the Center for Systems Neuroscience (CSN) and is conducted jointly by the University of Göttingen, the German Primate Center, the Max Planck Institute for Multidisciplinary Sciences and the Max Planck Institute for Dynamics and Self-Organization.</p> <p>The research-oriented programme is taught in English and open to students who hold a Master's degree (or equivalent) in the life sciences, physics, or related fields.</p> <p>The GGNB offers an integrated training and qualification concept consisting of:</p> <ul style="list-style-type: none"><li>• Thesis advisory committees advising the doctoral student and monitoring the progress of the doctoral project</li><li>• Scientific methods courses, seminars and summer schools in all science areas covered by the graduate school</li><li>• Professional skills courses in the four categories of Scientific Communication; Good Scientific Practice, Ethics, and Intellectual Property; Self-Management and Organisational Skills; and Career Development as well as German language courses and courses on scientific English</li><li>• Industry excursions to biotechnological, pharmaceutical, optical or (bio)physical companies, guided by GGNB alumni</li><li>• Student-organised scientific symposia and career-related events</li><li>• Annual PhD retreats organised by the programmes</li></ul> <p>In total, 20 credits are required, and doctoral students can tailor their individual curricula by choosing from all courses and events. Only a seminar on good scientific practice is mandatory.</p> <p>The doctoral students hold at least three annual Thesis Advisory Committee meetings within the regular PhD time of three years. The maximum duration of PhD studies in GGNB is four years.</p>
A Diploma supplement will be issued	No
International elements	<ul style="list-style-type: none"><li>• Language training provided</li><li>• Training in intercultural skills</li><li>• Projects with partners in Germany and abroad</li></ul>
Integrated internships	Option of research collaboration with other research institutions
Course-specific, integrated German language courses	Yes
Course-specific, integrated English language courses	Yes

## Costs / Funding

Tuition fees per semester in	None
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<b>Semester contribution</b>	Fees amount to around 400 EUR per semester. The fees include a prepaid semester ticket that entitles students to use regional trains (in Lower Saxony and Bremen) and city buses in Göttingen free of charge. Students of the University of Göttingen receive discounts for cultural events. Meals and drinks are also available at reduced prices at all university canteens. Fees: <a href="http://www.uni-goettingen.de/fee">http://www.uni-goettingen.de/fee</a> Semester ticket: <a href="http://www.uni-goettingen.de/en/16432.html">http://www.uni-goettingen.de/en/16432.html</a>
<b>Costs of living</b>	The average cost of living in Göttingen is modest compared to other major university cities in Germany. Currently, expenses for accommodation, food, health insurance and books are approx. 1,000 EUR per month. Please note that fees for health insurance may vary according to age. Living expenses might be slightly higher. For further information, please see the following link: <a href="http://www.uni-goettingen.de/en/54664.html">www.uni-goettingen.de/en/54664.html</a>
<b>Funding opportunities within the university</b>	Yes
<b>Description of the above-mentioned funding opportunities within the university</b>	Doctoral fellowships are available at approx. 1,200 to 1,500 EUR per month.

## Requirements / Registration

<b>Academic admission requirements</b>	Master's degree or equivalent in biosciences, psychology, physics, or a related discipline
<b>Language requirements</b>	Applicants whose native language is not English are asked to submit proof of proficiency in English. If no English test is available, proficiency in English can be evaluated during a personal interview. Proven higher education in English or a reasonably long stay in an English-speaking country may also be accepted.
<b>Application deadline</b>	Application is possible independent of deadlines.
<b>Submit application to</b>	Online application at <a href="http://www.uni-goettingen.de/en/apply/497097.html">http://www.uni-goettingen.de/en/apply/497097.html</a>

## Services

<b>Accommodation</b>	<p>The Accommodation Service of the International Office supports international students who are enrolled at the University of Göttingen in finding accommodation and serves as a point of contact for related queries. The Accommodation Service also publishes suitable offers from private landlords in Göttingen and collaborates with the Student Services ("Studentenwerk"). As the number of available accommodation options in Göttingen is limited, it is highly recommended to contact the Accommodation Service as early as possible. For further information, please see the following link:</p> <p><a href="https://www.uni-goettingen.de/en/617883.html">https://www.uni-goettingen.de/en/617883.html</a></p> <p>Please note: For doctoral students, accommodation services are only available if you have a low</p>
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income.

Structured research and supervision	Yes
Research training / discussion	Yes
Career advisory service	Information on the career service for doctoral students in the natural sciences can be found here: <a href="http://www.gauss.uni-goettingen.de/career">http://www.gauss.uni-goettingen.de/career</a> .
Support for international students and doctoral candidates	<ul style="list-style-type: none"><li>• Buddy programme</li></ul>

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## Contact

### University of Göttingen

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🌐 Course website: <https://www.uni-goettingen.de/de/56640.html>

📘 <https://www.facebook.com/University.of.Goettingen>

🐦 <https://twitter.com/unigoettingen>

🌐 <https://www.linkedin.com/school/-university-of-goettingen/>

📷 <https://www.instagram.com/unigoettingen>

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# International Programmes in Germany - Database

[www.daad.de/international-programmes](http://www.daad.de/international-programmes)  
[www.daad.de/sommerkurse](http://www.daad.de/sommerkurse)

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## GATE-Germany

Consortium for International Higher Education Marketing  
[www.gate-germany.de](http://www.gate-germany.de)

## Disclaimer

The data used for this database was collected and analysed in good faith and with due diligence. The DAAD and the Content5 AG accept no liability for the correctness of the data contained in the "International Programmes in Germany" and "Language and Short Courses in Germany".

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