



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Doctorate



## GGNB Molecular Biology — IMPRS (MSc/PhD)

University of Göttingen • Göttingen

### Overview

Degree	Master of Science (MSc) PhD or, alternatively, Dr rer nat
In cooperation with	Max Planck Institute for Multidisciplinary Sciences (MPI-NAT), German Primate Center (DPZ), European Neuroscience Institute (ENI)
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	8 semesters
Beginning	Winter semester
Additional information on beginning, duration and mode of study	After one year of intensive course work, students of this integrated Master's/PhD programme can continue with a six-month thesis to obtain a Master of Science degree, or they can join the PhD part directly (fast-track option).
Application deadline	15 January of the year of enrolment
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	Yes
Joint degree / double degree programme	No
Description/content	<b>Study concept</b>  The integrated Master's/PhD programme offers excellent study and research conditions to prepare aspiring young scientists for a professional career in academia or science-related professions in the private or public sector. At every stage of their studies, the students are exposed to a broad spectrum of theoretical and practical training, individual counselling and guidance to prepare for taking well-informed decisions on their next career steps.

## Study contents

In 36 lecture weeks (accompanied by tutorials), 20 methods courses during the first three months of the Master's programme, and three eight-week research projects (lab rotations), students acquire in-depth knowledge in the following subject areas of molecular biosciences:

Molecular Biology, Biochemistry, Structural Biology, Genetics, Bioinformatics, Biophysics, Metabolic Physiology, Cell Biology, Oncology, Immunobiology, Neurobiology, Developmental Biology, Microbiology, Systems Biology, and Biotechnology.

Professional skills such as good scientific practice, scientific writing, presentation techniques, design of scientific illustrations, and handling of experimental animals are taught in workshops and applied during lab rotations and reporting seminars.

In addition, all foreign students can participate in free German language courses, which are optionally offered at different levels as introductory intensive courses and evening courses throughout the study programme.

During the subsequent PhD studies, students benefit from the wide range of qualifications (scientific methods courses, professional skills workshops, industry excursions, language courses, other events) offered by the Graduate School [GAUSS](#) and the Graduate Center [GGNB](#).

Annual retreats of the Molecular Biology programme, the Horizons in Molecular Biology student-organised international symposium and regular cultural nights contribute to a close personal and scientific exchange.

## Financial support

All MSc students are supported by a stipend of the Max Planck Society and additional funds are available during the doctoral studies. More details are in the "Funding" section.

## Counselling and support

Newly admitted students receive info letters in preparation of their studies, advising, and a variety of administrative support as part of a two-week orientation programme prior to their first year of study. Throughout their studies, students receive individual counselling from members of the programme regarding their course of study and the advancement of their skills, interests, and personal development.

## Awards

The Neurosciences programme is regularly evaluated by independent external reviewers and has been rated several times as a model best practice example. Together with the Molecular Biology programme, it received the 2004 prize for excellent support services for foreign students by the Federal Foreign Minister and was awarded the label "Top 10 International Master's Degree Courses made in Germany" by "Stifterverband für die Deutsche Wissenschaft" together with the German Academic Exchange Service (DAAD) in a national contest.

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# Course Details

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## Course organisation

Leading scientists of all partners offer research-oriented training across a broad spectrum of modern molecular life sciences with access to their state-of-the-art laboratories during methods courses and individually supervised research projects.

## Intensive course programme in the first year

During the first year of research-oriented training, students earn 90 credits (ECTS) in a combination of theoretical and practical modules between October and July:

- [Lectures / Tutorials](#) (October to July)
- [Methods courses](#) (October to December)
- [Short presentations](#) by research groups (October to November)

- [Professional skills](#) (November to January)
- [Research projects / Lab rotations](#) (January to June)
- [Master's seminar](#) (March to June)

The first year of study concludes with a written and two oral Master's examinations in August.

#### Integrated Master's/PhD concept

After successful completion of the Master's examinations, a six-month Master's thesis (30 credits ECTS) leads to the award of the Master of Science degree concluding the Master's programme after 18 months. The majority of students continues in the Molecular Biology programme with their PhD research without the need for panel-based admission interviews.

Alternatively, students who have passed the Master's examinations at the end of the first year with good or excellent results qualify for direct admission to a three-year doctoral project in one of the participating research groups without being required to complete a Master's thesis first (fast-track option).

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	During the mandatory Master's year, all students carry out three lab rotations of eight weeks in the research labs of the programme or in research labs of participating local industry. During the doctoral phase, there is the option of research collaboration with other research institutions. A wide range of methods courses are offered in biochemistry, molecular biology, cell staining and imaging, electrophysiology, systems physiology, light and electron microscopy, and genetics.
Special promotion / funding of the programme	<ul style="list-style-type: none"> <li>• DAAD</li> <li>• IMPRS</li> </ul>
Name of DAAD funding programme	Stibet
Course-specific, integrated German language courses	Yes
Course-specific, integrated English language courses	Yes

## Costs / Funding

Tuition fees per semester in EUR	None
Semester contribution	<p>Fees are around 400 EUR per semester. The fees include a prepaid semester ticket that entitles students to use regional trains 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.</p> <p><a href="#">Fees</a></p>

**Costs of living**

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 about 900 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: [www.uni-goettingen.de/en/54664.html](http://www.uni-goettingen.de/en/54664.html).

**Funding opportunities within the university**

Yes

**Description of the above-mentioned funding opportunities within the university**

Master's stipends: All students are supported by an International Max Planck Research School Stipend throughout their Master's studies unless they receive comparable scholarships from other sources. This stipend amounts to 934 EUR/month plus a health insurance subsidy of up to 100 EUR/month (in the case that their health insurance is not covered by their home insurance or family insurance).

PhD funding: During their PhD studies, students are usually funded by the supervising institution through work/funding contracts. The programme has a budget available for start-up, bridging, or wrap-up funding as needed.

Student activities: Budgets are available for students to attend international scientific conferences and student-organised, scientific or cultural events.

## Requirements / Registration

**Academic admission requirements****Previous education**

- Bachelor's degree or equivalent
- 120 credits (ECTS or equivalent) at the time of application
- Eligibility: Degree programme in molecular biosciences, cell biology, biochemistry, biophysics, biotechnology, or a closely related discipline

**Selection**

The [online application portal](#) is open for each application round from 15 September to 15 January (start of studies: October).

In addition to the information on personal background and motivation and the upload of all relevant documents, the contact details of two reviewers for letters of recommendation should also be provided. The reviewers should be informed by the students in time about the planned application.

All applicants will be informed in the second half of January whether they have qualified for the second selection round (15-minute online interviews at the end of January).

During a third selection round in mid-February, admission decisions are made on the basis of two personal interviews (30 minutes each).

**Language requirements**

Very good knowledge of English is required. If English is not the native language, the language skills can be proven, for example, by an internationally recognised language test, an English-language Bachelor's degree or an extended stay in an English-speaking country. Knowledge of the German language is not required.

<b>Application deadline</b>	15 January of the year of enrolment
<b>Submit application to</b>	For online application: <a href="https://www.uni-goettingen.de/en/663690.html">https://www.uni-goettingen.de/en/663690.html</a>

## Services

<b>Accommodation</b>	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"). For further information, please see the following link: <a href="https://www.uni-goettingen.de/en/617883.html">https://www.uni-goettingen.de/en/617883.html</a>
<b>Structured research and supervision</b>	Yes
<b>Research training / discussion</b>	Yes
<b>Career advisory service</b>	<p>By offering a wide range of services including a tailored workshop programme, the GAUSS Career Service is supporting careers in natural and life sciences – inside and outside of academia.</p> <p>More information about the <a href="#">services</a>, the <a href="#">workshop &amp; event schedule</a> and general information about career planning can be found on the <a href="#">Career Service website</a>.</p>
<b>Support for international students and doctoral candidates</b>	<ul style="list-style-type: none"> <li>• Welcome event</li> <li>• Buddy programme</li> <li>• Tutors</li> <li>• Accompanying programme</li> <li>• Cultural and linguistic preparation</li> <li>• Visa matters</li> <li>• Pick-up service</li> </ul>
<b>General services and support for international students and doctoral candidates</b>	<p>A dedicated team of staff members provides a variety of support, individual counselling and career guidance.</p> <p>The programme offers help in finding accommodation as well as visa support and advising services for all international students shortly after admission.</p> <p>A two-week orientation programme is offered prior to the start of lectures and courses. It provides assistance and advice for managing everyday life, including arrangements for bank account, health insurance, residence permit, housing, and enrolment. Students have the opportunity to meet faculty members and visit laboratories of the participating institutions. In addition, the orientation programme informs students about computing and library facilities, the city and university of Göttingen, sports facilities, and cultural events.</p>

# Contact

## University of Göttingen

GGNB Office / Molecular Biology

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🌐 Course website: <https://www.uni-goettingen.de/en/663690.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)

## Editor

DAAD - Deutscher Akademischer Austauschdienst e.V.  
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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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