



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Doctorate



GGNB IMPRS for Genome Science

University of Göttingen • Göttingen

Overview

Degree	PhD (Division of Mathematics and Natural Sciences) or, alternatively, Dr rer nat
In cooperation with	Max Planck Institute for Multidisciplinary Sciences (MPI-NAT), Max Planck Institute for Dynamics and Self-Organization (MPI-DS), German Center for Neurodegenerative Diseases (DZNE), German Primate Center (DPZ), Göttingen computing and IT competence centre (GWDG)
Teaching language	<ul style="list-style-type: none">English
Languages	English
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	6 semesters, 8 semesters
Beginning	Only for doctoral programmes: any time
Application deadline	Please see the details on our website.
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>The IMPRS for Genome Science programme aims to combine state-of-the-art techniques in experimental sciences and computational life sciences.</p> <p>Over the last decade, the molecular life sciences have undergone a major development. Currently, the analysis of individual genes, RNAs, proteins, and metabolites is often complemented by an analysis of cellular systems in their entirety. However, this development also poses a major challenge, namely the challenge of closing the cycle of experiment, data analysis, and the generation of testable hypotheses. To tackle this challenge, a new generation of genome scientists will be trained. These scientists will be specialists in an experimental or a theoretical discipline but also understand enough of the other disciplines to speak a common language and engage in fruitful exchange and collaboration.</p> <p>The IMPRS for Genome Science will train researchers in functional genomics, quantitative proteomics, bioimaging, computational biology, and bioinformatics.</p>

Course Details

Course organisation	<p>The IMPRS for Genome Science programme is embedded in the Göttingen Graduate Center for Neurosciences, Biophysics, and Molecular Biosciences (GGNB).</p> <p>Each doctoral student will conduct a three-year research project. In addition to the regular supervision of PhD students by their primary supervisors, PhD students of the IMPRS for Genome Science will benefit from receiving additional mentoring from their individual thesis advisory committee (TAC). The TAC consists of a primary supervisor and two additional faculty members who are independent of the primary supervisor. TACs typically include members from different institutions to foster cross-institutional and cross-disciplinary interactions. The TAC meeting takes place once a year.</p> <p>The Graduate Center for Neurosciences, Biophysics, and Molecular Biosciences (GGNB) offers a joint modular training programme that is open to all GGNB students. All doctoral programmes of the GGNB contribute to this training programme. A central core curriculum is offered that ensures that PhD students receive a broad training in genome science, have access to the methods and approaches required to tackle their specific research questions, and familiarise themselves with the interdisciplinary approach of modern genome science.</p> <p>The IMPRS for Genome Science will train researchers specifically in functional genomics, quantitative proteomics, bioimaging, computational biology, and bioinformatics. Theoretical and methods training will be complemented by a lecture series on genome sciences. In addition, students will be able to participate in seminars and courses for communication and presentation techniques or project and team management. They will be further encouraged to organise lectures with external speakers or annual symposia.</p>
A Diploma supplement will be issued	No
International elements	<ul style="list-style-type: none">• Language training provided• Training in intercultural skills• Projects with partners in Germany and abroad
Integrated internships	Option of research collaboration with other research institutions
Special promotion / funding of the programme	<ul style="list-style-type: none">• IMPRS• Other (e.g. state level)
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 (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.</p> <p>Fees: http://www.uni-goettingen.de/fee</p>

Semester ticket: <http://www.uni-goettingen.de/en/16432.html>

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 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: www.uni-goettingen.de/en/54664.html

Funding opportunities within the university

Yes

Description of the above-mentioned funding opportunities within the university

Doctoral fellowships are available at approx. 1,200 to 1,500 EUR per month.

Requirements / Registration

Academic admission requirements

Master's degree or equivalent in the life sciences, mathematics, computer sciences, statistics, biophysics, or a related field

Language requirements

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 acceptable forms of proof.

Application deadline

Please see the details on our website.

Submit application to

Online registration at: <https://www.uni-goettingen.de/de/556704.html>

Services

Accommodation

The Accommodation Service of the International Office supports international students who are enrolled at the University of Göttingen to find accommodation in Göttingen and serves as a point of contact for queries. The service works together with the private market in Göttingen and the Student Services ("Studentenwerk"). As the amount of accommodations 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: <https://www.uni-goettingen.de/en/617883.html>.

Please note: For doctoral students, accommodation services are only available if you have a low income.

Structured research and supervision

Yes

Research training / discussion

Yes

Career advisory service

The Georg-August University School of Science (GAUSS) is dedicated to support young researchers in their postdoc and late-stage PhD phase in pursuing a successful career inside or outside of academia. More information can be found here: <http://www.gauss.uni-goettingen.de/career>

Support for international students and doctoral candidates

- Buddy programme
- Visa matters
- Help with finding accommodation
- Support with registration procedures

General services and support for international students and doctoral candidates

The Welcome Centre is a service facility for internationally mobile researchers and academics at the University of Göttingen. IMPRS-GS PhD students are eligible to get support on visa issues, accommodation and resident registration.

Contact

University of Göttingen

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Max Planck Institute for Multidisciplinary Sciences

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

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

🐦 https://twitter.com/imprs_gs

🌐 <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
www.daad.de/sommerkurse

Editor

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German Academic Exchange Service
Section K23 – Information on Studying in Germany
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www.daad.de

GATE-Germany

Consortium for International Higher Education Marketing
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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