Deutscher Akademischer Austauschdienst
German Academic Exchange Service

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Doctorate

GGNB Biomolecules: Structure – Function – Dynamics (PhD)

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), German Primate Center (DPZ)
Teaching language	• English
Languages	English
Full-time / part-time	• full-time
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	The Biomolecules programme comprises a broad variety of research, which has its main focus on structure determination and biophysical characterisation of biomolecules. The programme also covers biochemical, biophysical and medical relevant aspects of proteins. Other topics are related to mechanistic understanding of protein function in vitro and within the cellular context. Teaching covers all those aspects and practical courses are offered related to the state-of-the art methods needed to study biomolecules in structure and function.

Course Details

Course organisation	The doctoral programme in "Biomolecules: Structure – Function – Dynamics" is part of the Göttingen Graduate Center for Neurosciences, Biophysics, and Molecular Biosciences (GGNB). It is

hosted by the Göttingen Center for Molecular Biosciences (GZMB) and is conducted jointly by the University of Göttingen, the Max Planck Institute for Multidisciplinary Sciences, and the German Primate Center.

The research-oriented programme is taught in English and open to students who hold a Master's degree (or equivalent) in the biosciences, chemistry, physics, or related fields.

The GGNB offers an integrated training and qualification concept consisting of:

- Thesis advisory committees advising the doctoral student and monitoring the progress of the doctoral project
- Scientific methods courses, seminars and summer schools in all science areas covered by the graduate school
- 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
- Industry excursions to biotechnological, pharmaceutical, optical or (bio)physical companies, guided by GGNB alumni
- Student-organised scientific symposia and career-related events
- Annual PhD retreats organised by the programmes

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.

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.

A Diploma supplement will be issued	No
International elements	• Language training provided • Training in intercultural skills • Projects with partners in Germany and abroad
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 EUR	None
Semester contribution	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. Fee: http://www.uni-goettingen.de/fee 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 biology, chemistry, physics, 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 accepted.
Application deadline	Application is possible independent of deadlines.
Submit application to	Online application: http://www.uni-goettingen.de/en/apply/497097.html

Services

Accommodation	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. Further information: 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	Information on the career service for doctoral students in the natural sciences can be found here:

	http://www.gauss.uni-goettingen.de/career.
Support for international students and doctoral candidates	• Buddy programme

Contact

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https://twitter.com/unigoettingen

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