



Deutscher Akademischer Austauschdienst  
German Academic Exchange Service



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# Doctorate



## PhD Programme in Medical Life Science and Technology

Technical University of Munich • München

### Overview

Degree	Doctor of Philosophy (PhD)
Teaching language	<ul style="list-style-type: none"><li>English</li></ul>
Languages	All courses are held in English. The dissertation and defence are also in English.
Full-time / part-time	<ul style="list-style-type: none"><li>full-time</li></ul>
Programme duration	6 semesters
Beginning	Winter and summer semester
Application deadline	15 May for the following winter semester, 15 November for the following summer semester Please also check the programme website ( <a href="https://www.mgc.med.tum.de/en/site/phd-program-medical-life-science-and-technology">https://www.mgc.med.tum.de/en/site/phd-program-medical-life-science-and-technology</a> ) for the most up-to-date information on application deadlines.
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No

#### Description/content

The PhD programme in Medical Life Science and Technology provides high-level scientific training for students with a background in medicine as well as for those with a background in natural and life sciences or engineering. We are looking for highly motivated applicants with a strong record of academic achievement and a keen interest in scientific research.

This three-year programme consists primarily of an experimental scientific project that is performed in the laboratory of a faculty member. The practical work is complemented by interdisciplinary lectures, seminars and practical courses. About 50 research groups from various departments, working with a wide variety of techniques, actively participate in the programme. The projects cover a diverse range of topics within and continuously expand the boundaries of the programme's main research areas: cardiovascular, imaging, immunology and infection, neuroscience, oncology, and molecular medicine.

Medical students at Technische Universität München (TUM) can be admitted well before obtaining their final medical degree. In an attempt to improve their clinical-scientific education, they will be able to continue their regular medical studies alongside the training within the PhD programme.

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## Course Details

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Course organisation	In addition to the dissertation project, students will participate in lectures, practical courses, seminars and lab rotations relating to their projects. To accommodate the individual project schedules, students can choose when to take these classes. However, it is recommended that they sign up for classes during their first semesters in the programme. Advice on how best to organise course schedules will be provided by the programme coordinator on an individual basis.
A Diploma supplement will be issued	Yes
International elements	<p>As member of the TUM Graduate School, our PhD students can pursue one of the following international research activities:</p> <ul style="list-style-type: none"><li>• a research stay abroad at an academic institution or a research-based industrial company of at least two weeks</li><li>• presentation of their own research findings at international conferences outside of Germany in the form of posters or talks</li><li>• joint research projects with international guest scientists at the TUM who can also be invited to TUM by a group of doctoral candidates for the appropriate amount of time</li></ul>
Description of other international elements	<p>As member of the TUM Graduate School, our PhD students can pursue one of the following international research activities:</p> <ul style="list-style-type: none"><li>• a research stay abroad at an academic institution or a research-based industrial company of at least two weeks</li><li>• presentation of their own research findings at international conferences outside of Germany in the form of posters or talks</li><li>• joint research projects with international guest scientists at the TUM who can also be invited to TUM by a group of doctoral candidates for the appropriate amount of time</li></ul>
Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

## Costs / Funding

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Tuition fees per semester in EUR	None
Semester contribution	Approx. 150 EUR per semester
Funding opportunities within the university	Yes
Description of the above-mentioned funding opportunities within the university	Typically, candidates will receive funding through their supervisor. The four best applicants also receive a stipend from the School of Medicine.

## Requirements / Registration

<b>Academic admission requirements</b>	Medical degree or Master of Science (or "Diplom" if applicable) degree in a relevant subject area such as biology, chemistry, physics, engineering or psychology. Medical students at Technische Universität München can be admitted before receiving their medical degree but have to finish their medical studies before graduating from the PhD programme. Good academic grades from previous studies are a prerequisite. Some research experience and a clear idea of why they want to enter a challenging doctoral research programme will strengthen the application. Bachelor's degrees are not sufficient.
<b>Language requirements</b>	Non-native speakers must provide proof of English skills by providing TOEFL (88/120 minimum), IELTS Academic (at least 6.5/9) or Cambridge (CAE or CPE) test results.
<b>Application deadline</b>	15 May for the following winter semester, 15 November for the following summer semester Please also check the programme website ( <a href="https://www.mgc.med.tum.de/en/site/phd-program-medical-life-science-and-technology">https://www.mgc.med.tum.de/en/site/phd-program-medical-life-science-and-technology</a> ) for the most up-to-date information on application deadlines.
<b>Submit application to</b>	Applications are accepted online on <a href="https://www.docgs.tum.de/">https://www.docgs.tum.de/</a> during the application periods specified on the programme website.

## Services

<b>Possibility of finding part-time employment</b>	Students are expected to focus on their research projects and coursework. To allow them to be in the lab full-time, all students receive funding.
<b>Accommodation</b>	It's not easy to find a place to live in Munich – but it's not impossible either! The Technische Universität München (TUM) supports students and staff in their search for accommodation, providing personal advice, in-house listings and useful information to ensure that you can quickly find a place to call your own.
<b>Structured research and supervision</b>	Yes
<b>Research training / discussion</b>	Yes

# Contact

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School of Medicine

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🌐 Course website: <https://www.mgc.med.tum.de/en/site/phd-program-medical-life-science-and-technology>

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# International Programmes in Germany - Database

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