



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Master of Science in Translational Medical Research

Heidelberg University • Mannheim

Overview

Degree	Master of Science in Translational Medical Research
Teaching language	<ul style="list-style-type: none">English
Languages	Courses are held in English only.
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	2 semesters
Beginning	Winter semester
Additional information on beginning, duration and mode of study	The programme starts on-site on 1 September.
Application deadline	15 March for the next academic year
Tuition fees per semester in EUR	Varied
Additional information on tuition fees	Tuition fees for non-EU students are currently 1,500 EUR per semester. EU students generally do not pay tuition fees. Please check the main pages of the University of Heidelberg for updated information on tuition fees.
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>Course outline</p> <p>Translational medical research is a two-way process. On one hand, it deals with the conversion of basic research findings into new approaches for the diagnosis and therapy of disease, either in the clinic or through commercial development. On the other hand, it handles the conversion of clinical observations into basic research questions that can be addressed through experimentation.</p> <p>The Master of Science in Translational Medical Research (MSc TMR) programme systematically provides students with a medical or bioscience background with the knowledge and skills</p>

necessary to participate in the frontier of translational medical research.

Aims

Translational medical research aims to transfer knowledge, mechanisms, and techniques of basic molecular and cellular research into new approaches for the diagnosis and therapy of disease. It also seeks to translate clinical observations into experimental research. Accordingly, the TMR Master's programme aims to educate students in the interdisciplinary field of translational medical research by training them on how to bridge the interfaces between fundamental laboratory-based experimentation, clinical research and commercial exploitation.

Course Details

Course organisation	<p>Course structure</p> <p>The Master's course "Translational Medical Research" is divided into four modules that follow the concept "from bench to bedside and back" during the first semester:</p> <p>Module 1 concerns the basis of medical disorders and disease processes at the molecular and cellular level. In Module 2, students acquire knowledge about current methods and challenges in the clinical diagnosis and treatment of disease, including the research approaches employed in these areas. Module 3 comprises an individual laboratory project. Module 4 focuses specifically on translational medicine and includes commercial exploitation. In Modules 1, 2, and 4, students can choose short practical courses, in which they will become acquainted with experimentation in the fields of molecular oncology, neurobiology, vascular medicine, or other topics.</p> <p>In the second semester, TMR students carry out original research for their Master's thesis projects, write their Master's theses, and present their findings orally.</p>
A Diploma supplement will be issued	Yes
International elements	<ul style="list-style-type: none">• International guest lecturers
Integrated internships	The TMR course includes a five-week research internship as well as the Master's thesis research of five months.
Course-specific, integrated German language courses	No
Course-specific, integrated English language courses	No

Costs / Funding

Tuition fees per semester in EUR	Varied
Additional information on tuition fees	Tuition fees for non-EU students are currently 1,500 EUR per semester. EU students generally do not pay tuition fees. Please check the main pages of the University of Heidelberg for updated information on tuition fees.

Semester contribution	Approx. 200 EUR per semester
Costs of living	Approx. 750-850 EUR per month
Funding opportunities within the university	No

Requirements / Registration

Academic admission requirements	The course is open to medical doctors, biologists, pharmacists, and other professionals in health-related sciences or life sciences who hold a first academic degree equivalent to 240 ECTS (usually a Bachelor's degree after at least four years of full-time study).
Language requirements	<p>In principle, all applicants must include proof of proficiency in English with their application. Only applicants that meet one of the following requirements are exempt from proving proficiency in English:</p> <ul style="list-style-type: none"> • Applicants who are native English speakers and have completed secondary education in any one of the following countries: Canada, USA, UK, Ireland, New Zealand, or Australia • Applicants who have completed their Bachelor's education in any one of the following countries: Canada, USA, UK, Ireland, New Zealand, or Australia <p>Applicants who are not exempt from proving proficiency in English must submit the results of one the following tests:</p> <ul style="list-style-type: none"> • IELTS (Academic) with an overall score of 6.5 - no less than 6.0 in each section • TOEFL iBT (Internet-based test) with an overall score of 92 - no less than 21 in each section • TOEFL CBT (computer-based test) with an overall score of 237 - no less than 21 in each section • TOEFL PBT (paper-based test) with an overall score of 580 - no less than 55 in each section • Cambridge Certificate of Proficiency in English (CPE) / Cambridge Certificate of Advanced English (CAE)
Application deadline	15 March for the next academic year
Submit application to	<p>Medizinische Fakultät Mannheim der Universität Heidelberg European Center for Angioscience, Sektion MBIO, Tridomus C z.H. Frau Anja Käppele Ludolf-Krehl-Straße 13-17 68167 Mannheim Germany</p>

Services

Accommodation	Accommodation is available through student services of the University of Heidelberg and the University of Mannheim or on the private market. Rent for a single room in a student residence is approx. 250 to 300 EUR.
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Contact

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🌐 Course website: <https://www.uni-heidelberg.de/en/study/all-subjects/translational-medical-research/translational-medical-research-master>

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