



Deutscher Akademischer Austauschdienst
German Academic Exchange Service



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Master's degree



Infection Biology and Control

University of Tübingen • Tübingen

Overview

Degree	Master of Science in Infection Biology and Control
In cooperation with	CERMEL
Teaching language	<ul style="list-style-type: none">English
Languages	The Infection Biology and Control programme is conducted entirely in English.
Full-time / part-time	<ul style="list-style-type: none">full-time
Programme duration	4 semesters
Beginning	Winter semester
Additional information on beginning, duration and mode of study	The MSc Infection Biology and Control will take place entirely at the campus of the Centre de Recherches Médicales de Lambaréné (CERMEL) in Gabon.
Application deadline	The study programme is only open to non-EU applicants. The application deadline for the following winter semester (every two years) is 31 May.
Tuition fees per semester in EUR	None
Combined Master's degree / PhD programme	No
Joint degree / double degree programme	No
Description/content	<p>Infection Biology aims at characterising the interaction between pathogens and their host with the aim of elucidating the mechanisms through which parasites, bacteria, viruses, and fungi invade their host and cause diseases. Infectious diseases contribute in great proportion to illnesses and death worldwide. Understanding how pathogens get access to their host, colonise and cause disease is an important step towards developing strategies for control. Sub-Saharan Africa has one of the highest burdens of infectious diseases world-wide.</p> <p>The Master's programme in Infection Biology and Control is fully focused on the predominant causes of the infectious diseases burden in sub-Saharan African countries, e.g. major parasitic pathogens and emerging and re-emerging viruses with an added emphasis on translational aspects</p>

of infectious disease control in the Central African context. To successfully control infectious diseases, the underlying molecular, immunological, and epidemiological mechanisms first need to be better understood. The aim of this programme is to equip young students with the knowledge and skills necessary to tackle biological and medical challenges. These include the timely identification of emerging drug resistance for many neglected parasites using novel tools in genomics, molecular biology such as the use of environmental DNA techniques for vector research and last but not least, urgent one-health-related research questions.

Course Details

Course organisation

The Master's programme in Infection Biology and Control is a consecutive, research-oriented programme, which leads to a Master of Science (MSc) degree. The programme is offered by the Faculty of Medicine and the Institute of Tropical Medicine. The programme lasts four semesters and comprises a total of 120 ECTS. The place of study will be the **CERMEL** in Lambaréné, Gabon. The number of students is limited to 20; therefore, small group work is possible in all modules. The programme is characterised by the following crucial features:

1. **International exchange & networking**
2. **Research-orientation**
3. **Mentorship:** You will receive support and advice throughout the programme by your individual mentor with whom you will be paired at the beginning of the programme. They will guide your personal and professional development throughout your studies and provide support for the successful completion of the programme.
4. **Master's thesis:** In the fourth semester, students will work on a six-month Master's thesis. In addition to laboratories at the University of Tübingen and at the Cermel in Lambaréné, laboratories are also available in Berlin, Heidelberg, Libreville or partner institutes of the Institut Pasteur in Africa.

Cooperation agreements

The Master's programme in Infection Biology and Control is a **DAAD-funded** programme within the framework of **CAIDERA** (Central African Infectious Disease and Epidemics Research Alliance).

A large number of co-operations make this degree programme possible. The most important co-operation partner for the University of Tübingen is the **CERMEL** (Centre de Recherches Médicales de Lambaréné). The University of Tübingen and in particular the **Institute of Tropical Medicine** have been working together with the CERMEL for many years. The CERMEL will provide the campus for the students of the Master's programme in Infection Biology and Control.

If you are an **EU citizen** and you are interested in **emerging infectious diseases**, then you can apply to our partner programme for EU citizens: "One Health in Emerging Infectious Diseases" (**1H-EID**) in France.

» [PDF Download](#)

International elements

- Integrated/optional study abroad unit(s)

Integrated/optional study abroad unit(s)

The entire Infection Biology and Control degree programme takes place full-time in **Lambaréné, Gabon**.

In the fourth semester, students will work on a six-month Master's thesis. In addition to laboratories at the University of Tübingen and at the Cermel in Lambaréné, laboratories are also available in Berlin, Heidelberg, Libreville or partner institutes of the Institut Pasteur in Africa.

Special promotion / funding of the programme

- DAAD

Name of DAAD funding

Central African Infectious Disease and Epidemics Research Alliance (CAIDERA)

programme

Course-specific, integrated German language courses No

Course-specific, integrated English language courses No

Costs / Funding

Tuition fees per semester in EUR None

Semester contribution Enrolment fees at the University of Tübingen are currently about 170 EUR per semester. This includes use of local public transport free of charge from Mondays to Fridays in the evening, on weekends and public holidays. In addition, students may purchase a semester ticket for unlimited use of public transport in the city of Tübingen and the surrounding area (currently about 130 EUR per semester).

Funding opportunities within the university Yes

Description of the above-mentioned funding opportunities within the university The study programme Infection Biology and Control includes a monthly **DAAD scholarship** of 400 EUR for each student for the standard study period of four semesters.

Requirements / Registration

Academic admission requirements The Master's programme in Infection Biology and Control is only open to **non-EU citizens**.

Application requirements

The application must be made using the form provided by the University of Tübingen (online portal). The application form must be accompanied by (uploaded documents):

1. A Bachelor's degree of at least six semesters of study in biology, or an equivalent degree in a comparable subject with a grade of 3.0 or better (German grading system)
2. English language skills at B2 level CEFR (Common European Framework of Reference for Languages)
3. Documentation of French proficiency of at least level of A2 CEFR (DEL F A2)
4. Documentation of the contents of the completed study programme
5. If available, evidence of special achievements and e.g. laboratory internships and/or relevant (research) activities

Language requirements

The Infection Biology and Control programme is conducted entirely in English. You will need to have knowledge of the English language at the B2 level in the Common European Framework of Reference for Languages and prove this when applying for a study place (see application requirements). Since the study programme will take place at the campus of the Centre de Recherches Médicales de Lambaréné (CERMEL) in francophone Gabon, A2-level proficiency in French is expected (see application requirements). You do not need to know German to be able to study in the Master's programme in Infection Biology and Control.

Application deadline The study programme is only open to non-EU applicants. The application deadline for the following winter semester (every two years) is 31 May.

Submit application to Universität Tübingen
Medizinische Fakultät - Bereich Studium und Lehre
Theresa Kahl
Geissweg 5/1
72076 Tübingen
Germany

Services

Career advisory service **Advice and internships**
The university's Career Service assists with [career orientation and getting started in your profession](#).

Support for international students and doctoral candidates

- Welcome event
- Tutors
- Visa matters
- Help with finding accommodation
- Support with registration procedures

General services and support for international students and doctoral candidates In addition to the [advising services](#) offered at the university, prospective and current students can contact the programme coordinator, Ms Theresa Kahl (theresa.kahl@med.uni-tuebingen), at any time with questions or to schedule a personal appointment.

Supervisor-student ratio 1/20

Contact

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🌐 Course website: <https://uni-tuebingen.de/en/study/finding-a-course/degree-programs-available/detail/course/infection-biology-and-control-master/#c961-applicants-selection>

🌐 <https://twitter.com/caideraproject?lang=de>

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