



PhD programme **Animal and Zoonotic Infections**

www.tiho-hannover.de/studium-lehre/phd-graduate-school/phd-programme-animal-and-zoonotic-infections

Course of Study

Begin with winter term

1. Supervision group

The group consists of the **main supervisor**, one **member of the teaching staff** (*Mitglied des Lehrkörpers*) and one **external supervisor**. The members of the supervision group are confirmed by the PhD commission and will be communicated by the HGNI. If the degree "Dr. rer. nat." instead of "PhD" is desired the PhD commission has to be informed, because it is required that in the doctoral procedure one of the examiners must have the degree Dr. rer. nat.

1.1. Personal briefings

Within eight weeks after nomination of the members of the supervision group **the student has to arrange** a first meeting.

Thereafter, official meetings with the supervision group must take place **once a year** to discuss the project and to further substantiate the course of study, personal goals and to develop an individual course of study (e.g. which electives to select, which conferences to go to, etc.). The **arrangement** of the official meetings is in the **student's responsibility**. The **protocol forms** (download) must be signed by the supervision group and **sent to the HGNI**.

1.2. Good Scientific Practice (GSP)

In the beginning of the thesis work and laboratory activities the supervisor introduces the student to the Good Scientific Practice (*Gute wissenschaftliche Praxis*). Scientific work is based on principles observed in all countries and in all scientific disciplines. First among these is honesty towards oneself and others. This is also the ethical norm and foundation of the various rules that apply in the different disciplines defining scientific professionalism, or good scientific practice. One of the core tasks of scientific teaching and academic self-regulation is to instruct students in these principles and to safeguard their validity and application in practice. Good scientific practice is also a prerequisite for highly productive research that is recognized in international competition. Violation of these principles is scientific misconduct. In case of suspicion of scientific misconduct, it is the responsibility of the University to clarify the facts in an orderly way, and if necessary to impose the sanctions stipulated by law. Guidelines are available on the TiHo homepage. Please send the **signed protocol to the HGNI**.

1.3 *Tierschutzblatt PhD* (in German)

This form is for download on the homepage and filled in together with the main supervisor to make sure, that all dissertation projects are in accordance to the animal welfare law. Please send it to the HGNI within the first PhD year.

1.4 *Betreuungsvereinbarung/Agreement on Supervision*

To be completed by the student and the supervision group.

2. Course of study

The course of study comprises 50% of compulsory (interdisciplinary and project-related courses) and 50% of elective courses.

2.1. Obligatory courses

Infection Biology Seminar (IBS) (2 each, max. achievable 84 h)

Invited speakers, members of the *Zentrum für Infektionsmedizin (ZIM)* and others present current topics in infection medicine research.

Zoonoses Workshop (48 h)

Workshop „Introduction to Zoonoses“ once a year (in the end of the winter term). The workshop is credited with 48 h (9 topics x 2 h = 18 h plus 30 h private study for preparation and presentation).

The workshop is obligatory for students of the 1st year. The topics will be assigned to the students in alphabetical order by the lecturers. The presentations should cover 20 min plus 10 min discussion.

PhD student meetings

At least **once a year** all students will meet with their representatives. The meeting offers a forum for exchange of information and for organization of group projects.

Statistics course (Repetition biometry, e.g.), 1st year (12 h)

English lecture and presentation skills (16 h)

Avoiding plagiarism, 1st year (2–3 h)

Attendance of public defences, 1 per year (3 x 1 h)

Scientific congresses (min. 34 h)

Participation in national and international congresses offers excellent opportunities to learn from leading scientists. Two congresses have to be attended actively by contributing a poster or talk. 8 h are credited for a whole day of participation, 4 h for half day.

Presentations at the institute (6 x 1 h)

In laboratory meetings the students learn how to present and to discuss scientific results. There should be one presentation per semester.

Poster presentation (after first year, 8 h + 1 h presentation)

After the **first year**, the PhD student has to prepare a **poster** at the annual HGNI colloquium (***Graduate School Day***) showing the progress of the project. Poster and its short presentation are evaluated by members of the faculty. The participation is credited with 8 h as scientific congress.

Oral presentation (after second year, 8 h + 1 h presentation)

After the **second year**, students have to present their work in a **talk** at the ***Graduate School Day***. There will be a feedback by the evaluators. The participation is credited with 8 h as scientific congress.

2.2 Electives

Elective courses can be seminars, journal clubs, guest lectures etc. covering specific topics in animal and zoonotic infection research. In addition, each student has to participate in at least two laboratory courses of 2–3 days full-time. The courses are offered by research groups of the HGNI.

External courses can be accepted if the topic is not offered by the HGNI. Courses have to be approved on request by PhD commission and the supervisor.

3. Final Examination

(for details please see “Guidelines for Submission of a PhD Thesis”)

For approval to the final exam the **course work has to be completed**, one submitted **publication** as first author in recognised scientific journals with peer review are required and a **written thesis** has to be prepared in English.

Finally, an **oral presentation** of the thesis with **public defence** (“*Disputation*”) follows. After the defence, the PhD commission decides about the overall result.

4. Finalization and promotion ceremony

After passing the final examination the student’s last duty is the submission of depositary copies and a pdf version of the thesis to the **library** of the TiHo. (Details are described in the “**Guidelines for Submission of a PhD Thesis**”.)

Finally, the PhD student receives the **certificate** and the respective academic degree is awarded during a **promotion ceremony** (*Feierliche Promotion*) by the president of the TiHo together with all candidates of the semester (December or June). Thereafter it is allowed to use the title.

5. Information

For all general information, guidelines, PhD order, news please see

www.tiho-hannover.de/studium-lehre/phd-graduate-school/phd-programme-animal-and-zoonotic-infections