



## Master's programme

# Infection and Immunity



### IS THIS PROGRAMME FOR YOU?

Infectious diseases and immune disorders have a huge impact on our health at the individual level as well as on society. We are challenged by outbreaks of bird flu, the problem of resistant bacteria in hospitals and growing numbers of patients with allergies and chronic inflammation.

A better understanding of pathogens and host response provides the background knowledge for new tools for immunotherapy and prevention or treatment of infections.

In our molecular and clinical research programmes, experts in human, veterinary and environmental health work closely together. This cooperation provides the optimal setting for the clinical application of our fundamental research for the development of treatment and vaccines and for the training of our master's students.

We are looking for committed and critically thinking students who are fascinated by the interplay between pathogens and the host immune reaction.

### INFECTION AND IMMUNITY IN UTRECHT

Utrecht University has chosen four strategic themes, one of which is Life Sciences and in it Infection and Immunity is a prominent research focus area. It features leading research groups in Infection biology, Microbiology, Virology, Inflammation and Immunology. This includes the research programmes Strategic Infection Biology at the faculty of Veterinary Medicine and the focus Infection and Immunity within UMC Utrecht, as well as groups from the Science Faculty. Thus, the multidisciplinary clusters bring together top-class research groups from the largest Life Science campus in the Netherlands.

The Infection & Immunity Center Utrecht integrates existing and new initiatives in the area of Infection and Immunity in Utrecht. Its PhD programme as well as the master's programme Infection and Immunity are linked to the research focus offering access to academic research in the field.

### PROGRAMME OUTLINE

**Duration:** 2 years full time; **EC:** 120

**Language:** English

**Start:** September

**Numerus fixus:** 30 students

**Application deadline EU/EE and Non-EU/EEA students:** 1 April

**Degree:** Master of Science

This Master's programme is registered under the name Biomedical Sciences (code 66990) and is organised by the Graduate School of Life Sciences, Utrecht University.

- **Multi-disciplinary programme**
- **Top-class research groups**
- **Excellent career possibilities for graduates**

**CAREER PROSPECTS**

Scientists who possess expert knowledge in both fundamental and disease-oriented aspects of Infection and Immunity are in great demand.

After graduation, about 75% of our graduates continue their academic career as a PhD student either at Utrecht University or other research institutes in the Netherlands or abroad. Others join the pharmaceutical industry to work in applied research or find a position in education, consultancy, science journalism or policy-making in science and health care.

**ADMISSION**

Applicants must hold a BSc in Biomedical Sciences, Biology, Chemistry or Life Sciences, including a course of 15 EC in immunology and microbiology (or equivalent).

Annually, the programme accepts a maximum of 30 students. Placement is subject to selection, based on match with content previous education, past performance, CV and motivation of the applicant for biomedical research in the field of Infection and Immunity. In addition, proficiency in written and spoken English is a prerequisite.

**enhanced my ability to provide this support**

"My Master's set me up with a strong network in the field of immunology and infectious diseases, and a solid theoretical basis from which to work. As a research technician, my role is to support the scientists I work with and provide them with the technical support they need to conduct their experiments as effectively as possible. The scientific skills and knowledge I gained during my Master's have greatly enhanced my ability to provide this support, as I understand what the researchers are trying to achieve and can think along with them on the same level. My goal is to one day conduct similar research, and I am currently developing the expertise to do so."

*Joris Jansen, alumnus*

Read the full interview on [www.uu.nl/masters/ii](http://www.uu.nl/masters/ii)

**Programme scheme**

**51**  
EC

Major  
Research  
Project

**33**  
EC

Minor  
Research  
Project

**15**  
EC

Mandatory  
theoretical  
courses

**12**  
EC

Elective  
component

**7.5**  
EC

Writing  
assignment

**1.5**  
EC

Life Sciences  
Academy



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YOUR  
FUTURE**  
AT UTRECHT UNIVERSITY

[www.uu.nl/masters](http://www.uu.nl/masters)

**More information**

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