

# Master's Programme in Molecular Biology, Immunology and Infection Biology

LUND UNIVERSITY | SWEDEN

- Master of Science in Molecular Biology
- 2 years, full-time, 120 ECTS credits
- Department of Biology
- Lund Campus
- Application deadline: January 2023
- Programme start: August 2023

## PROGRAMME OVERVIEW

This interdisciplinary programme aims to give students of molecular biology a solid foundation for a career in areas related to immunology and infection biology. These areas play an increasingly important role for sustainable development, including the ability of modern societies to address global public health problems of both infectious and non-infectious etiology.

### Special features of the programme:

- Broad range of courses related to microbiology and immunology, as well as infection biology, antibiotics and bioinformatics
- Integration of theory and laboratory skills training
- Extensive training in oral and written communication provides a solid basis for the use of
- relevant terms and expressions within the areas
- Insights into the interplay between infection and socioeconomic development
- Insights into how science may inform public debate within the areas
- Extracurricular activities, such as seminars and site visits, are offered

## PROGRAMME MODULES/COURSES

### Courses and number of credits

**Semester 1:** Microbiology (15 credits), Immunology (15 credits).

**Semester 2:** Immunology and Infection Biology (15 credits), Antibiotics – Biology and Chemistry (7.5 credits, elective), Applied Bioinformatics (7,5 credits, elective).

**Semester 3–4:** Neurobiology (15 credits, optional), MSc thesis project (30, 45 or 60 credits).

For the full list of electives, see: <https://www.biologyeducation.lu.se/molecular-biology-immunology-and-infection-biology/layout>

Most courses are full-time studies, and you take part in only one course at a time. The courses are typically teaching-intensive with lectures, seminars, theoretical and practical exercises as well as self-studies. During one semester, you usually take two courses of 15 credits (i.e. a total of 60 credits per year).

## CAREER PROSPECTS

The knowledge and skills you gain on this programme will open doors to employment in academia, public sector, government agencies, industry, and non-governmental organizations, both nationally and internationally. The programme also provides you with a solid ground for PhD studies.

## ENTRY REQUIREMENTS AND HOW TO APPLY

### Entry requirements

ShapeA Bachelor's degree of at least 180 credits or the equivalent, of which 120 credits must be in natural science/biomedicine/engineering, including 45 credits in molecular biology comprising genetics, cell biology and microbiology, 15 credits in human/animal physiology, and 30 credits in chemistry comprising biochemistry. English Level 6.

### How to apply

- 1. Apply online:** Go to [www.lunduniversity.lu.se/immunology-infection-biology](http://www.lunduniversity.lu.se/immunology-infection-biology). Click on "Apply" and follow the instructions for the online application at [www.universityadmissions.se](http://www.universityadmissions.se), the Swedish national application website. Rank the chosen programmes in order of preference.
  - 2. Submit your supporting documents:** Check what documents you need to submit (i.e. official transcripts, degree diploma/proof of expected graduation, translations, proof of English, passport) and how you need to submit them at [www.universityadmissions.se](http://www.universityadmissions.se).
- **Programme-specific supporting documents:** When applying for this programme, you must also submit a 'Summary Sheet' with your application. See the programme webpage for details.



“If you really want to be in biomedical research, then this programme is the best. I feel it gives you all the ideas and knowledge you need, as well as the ability to think independently. When you join this programme, you're given different aspects of learning. You're taught in class, and you get practical time in the lab, but you're also challenged to do some tasks independently.”

Christine Mercy Mueni from Kenya





### 3. Pay the application fee (when applicable).

#### Selection criteria/additional info

The selection will be based on grades awarded for previous academic courses and the statement of purpose (from the applicant's 'Summary Sheet').

#### Tuition fees

Tuition fee SEK 145 000 per year for non-EU/EEA citizens. No fee for EU/EEA citizens. See [www.lunduniversity.lu.se](http://www.lunduniversity.lu.se) for details on tuition fees

#### ABOUT THE DEPARTMENT OF BIOLOGY

We have outstanding competence in education and research, covering a large number of biological disciplines from molecular biology to large-scale ecology. Several of our research groups are world-leading in their topic and a large number of international projects is coordinated by the department of Biology. As our education is integrated with the department's research, you will have researchers as teachers and get involved in ongoing projects during your studies. Our courses range from basic to Master's level. We offer around 50 advanced level courses as well as an extensive postgraduate programme.

#### ABOUT LUND UNIVERSITY

Lund University was founded in 1666 and is repeatedly ranked among the world's top 100 universities. The University has around 46 000 students and more than 8 000 staff based in Lund, Helsingborg and Malmö. We are united in our efforts to understand, explain and improve our world and the human condition.

Lund is considered one of the most popular study locations in Sweden. The University offers one of the broadest ranges of programmes and courses in Scandinavia, based on cross-disciplinary and cutting-edge research. The unique disciplinary range encourages boundary-crossing collaborations both within academia and with wider society, creating great conditions for scientific breakthroughs and innovations. The University has a distinct international profile, with partner universities in approximately 70 countries.

Lund University has an annual turnover of EUR 912 million, of which two-thirds go to research in our nine faculties, enabling us to offer one of the strongest and broadest ranges of research in Scandinavia.

#### CONTACT

##### Programme webpage:

[www.lunduniversity.lu.se/immunology-infection-biology](http://www.lunduniversity.lu.se/immunology-infection-biology)

##### Study Advisor

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Learn more at [www.lunduniversity.lu.se](http://www.lunduniversity.lu.se)

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