Programme overview
This programme connects fundamental research with its applications and integrates genetics, gene technology, cell biology, molecular biology, biotechnology and bioinformatics. All these disciplines have a common basis in molecular genetics, which is the discipline that explains how the information in the genes is expressed and how it can give rise to various traits of an organism. Emphasis is also put on genetic mechanisms underlying disease, genetic mapping, molecular genetic techniques and diagnostic methods.

Special features of the programme
• Courses in genetics, cell biology, molecular biology, biotechnology and medical genetics
• Courses contain practical training in molecular biology techniques
• Includes training in the innovation process, entrepreneurship, and the commercialisation of biotechnology

Programme modules/courses
Course of study (with number of credits): Methods in Molecular Biology (15, compulsory), Molecular Genetics of Eukaryotes (15, compulsory), Molecular Microbiology (15, optional), Genetic Analysis I (7.5, compulsory) + Genetic Analysis II (7.5, optional), Molecular Biotechnology (15, compulsory), Bioinformatics and Sequence Analysis (7.5, optional), Programming using Phyton (7.5, optional), Master’s degree project of 30, 45 or 60 credits.

Career prospects
The knowledge and skills you will gain on this programme open doors to employment within many sectors in industry, academia, and society, for example in the biotechnology or pharmaceutical industries or within agencies concerned with patent and legal issues, education or research funding.

The programme provides you with a solid grounding for PhD studies. A majority of the students that graduate from the programme continue with PhD studies, often within the biomedical research field.

Entry requirements and how to apply
ENTRY REQUIREMENTS
A Bachelor’s degree including cell- and molecular biology (30 ECTS credits), genetics (7.5 ECTS credits), microbiology (7.5 ECTS credits), biochemistry (15 ECTS credits), and chemistry (20 ECTS credits). English 6/English Course B. See www.lunduniversity.lu.se for details on English proficiency levels.

HOW TO APPLY
1. Apply online: Go to www.lunduniversity.lu.se/molecular-biology-genetics-biotechnology. Click on “Apply” and

“In one of my courses we were divided into small groups and participated in a research project led by a professor. Through this I gained many practical skills, good research experience and new inspiration.

If you are interested in molecular biology, you can consider Lund University because they have a lot of nice facilities with experienced lecturers. The professors are very open to sharing their experience and to facilitating your own research and studies.”
Margareth Sidarta, from Indonesia
follow the instructions for the online application at 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.

4. Pay the application fee (when applicable).

SELECTION CRITERIA/ADDITIONAL INFORMATION
Selection of students is based on grades on academic courses of relevance for the Master’s programme.

TUITION FEES
There are no tuition fees for EU/EEA citizens. For non-EU/EEA citizens the tuition fee for this programme is SEK 145 000 per year. For details on tuition fees, please see www.lunduniversity.lu.se.

About the Department of Biology
We have an outstanding competence in both education and research, covering a large number of biological disciplines with everything from molecular biology to large scale ecology. Several of our research groups are world-leading within their topic, which shows by the large number of international projects being coordinated from the department of Biology. Since our education is integrated with the research within the department you will, during your studies, have researchers as teachers and get into close contact with the ongoing projects. Our courses range from basic to Master’s level and we offer around 50 advanced level courses. We also have 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 41,000 students and 7,500 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 Sweden’s most attractive study destination. The University offers one of the broadest ranges of programmes and courses in Scandinavia, based on cross-disciplinary and cutting-edge research. The compact university campus encourages networking and creates the conditions for scientific breakthroughs and innovations. The University has a clear international profile, with partner universities in over 70 countries.

Funding of more than SEK 5 billion a year goes to research at eight faculties, which gives us one of Sweden’s strongest and broadest ranges of research activity. Over 30 of our research fields are world-leading, according to independent evaluations.

Two of the world’s leading materials research facilities are currently under construction in Lund: the MAX IV Laboratory, inaugurated in June 2016, is the leading synchrotron radiation facility in the world, and the European research facility ESS, which will house the world’s most powerful neutron source. The two facilities will be of decisive importance for future scientific and industrial development in both materials science and life science.

Learn more at www.lunduniversity.lu.se
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