Advanced courses in Cancer Biology and Neuroscience

FACULTY OF MEDICINE, LUND UNIVERSITY, SWEDEN

The advanced courses form an important basis for future recruitment of researchers to Lund University. Students may include these courses as a part of their MSc degrees in e.g. Biomedicine, Molecular Biology or Medicine. The courses can also bridge Master’s and research education by providing in-depth knowledge in the specific fields combined with hands-on experience in research labs. The courses do not require previous studies within the specific subject but they do require deep knowledge in cell biology and biomedical research.

Advanced Cancer Biology (30 ECTS)
This is a multidisciplinary course aimed at future cancer researchers. We enrol students from biology, engineering, and medicine to study together in authentic research environments. Our course prepares the student for doctoral studies within cancer research and related fields.

The course is taught by well-established scientists, oncologists, surgeons, geneticists, and pathologist with an extensive track record from teaching in higher education. Our teaching methods are interactive and most of the course is spent pursuing a personal research project in a research laboratory or clinical department at Lund University.

The course forms an important basis for future recruitment of cancer researchers to Lund University. Students have also used the course as a part of their MSc in Biomedicine, Molecular Biology and Medicine.

CONTACT
Course webpage
www.lunduniversity.lu.se/advanced-cancer-biology
Course Director
David Gisselsson Nord,
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Stem Cell Biology (30 ECTS)
Stem cell biology is one of the strongest research areas at Lund University. The course in Stem Cell Biology provides students with a modern perspective on stem cell biology through a combination of practical and theoretical training. The central part of this course is spent pursuing a personal scientific research project allowing the students to actively participate in ongoing research activities in excellent stem cell science laboratories at Lund Stem Cell Centre at Lund University. In addition, the students will be introduced to the fundamental principles of stem cell biology, key technologies utilised in stem cell research, research ethics, as well as career pathways inside and outside academia.

We are looking for highly motivated students with a background in biology, biotechnology, and (bio)medicine who have a genuine interest in stem cell biology and the ambition to pursue a PhD in this field. Our graduates will be well prepared for future doctoral studies and uniquely positioned to develop successful careers within stem cell biology or related fields.

CONTACT
Course webpage
www.lunduniversity.lu.se/advanced-neuroscience
Course Director
Maria Swanberg, maria.swanberg@med.lu.se

VASILIKI PANTAZOPOULOU (Greece), advanced course in cancer biology “I studied the Master’s degree in Biomedicine at Lund University. During this programme, I had the opportunity to participate in the Advanced Course in Cancer Biology. The course gave me the chance to work full-time in a research lab and gave me a better insight into the life of a researcher. The course starts with lectures on cancer biology and carries on with journal clubs, talks on communication and writing skills as well as poster presentations. In the meantime, students get to choose a research group where they perform a project. The course especially helps international students to build their own network within Lund University. This makes it an ideal step towards a PhD within the cancer field. After this course, I was offered the opportunity to pursue with a PhD, focusing on glioblastoma multiforme. All in all, I think that this course is ideal for whoever wants to gain more hands-on research experience and pursue a PhD.”
HOW TO APPLY

1. Apply online: Go to the course webpage (see links on previous page). Click on “Apply” and 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:
   - General supporting documents: Check what documents you need to submit with your application (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.
   - Programme-specific supporting documents: When applying for the advanced courses, you must also submit a personal motivation letter with your application. An interview will also be required. Please see the programme page for detailed information/instructions.

3. Pay the application fee (when applicable).

About the Faculty of Medicine

The Faculty of Medicine is one of eight faculties at Lund University and offers a wealth of research, postgraduate and educational programmes in medicine, public health, biomedicine and nursing to name a few.

The Faculty encompasses 2,800 full-time undergraduate students enrolled in 8 degree programmes, as well as 1,100 postgraduate students and 1,800 employees. Research spans across a broad area from basic experimental research to applied research, in order to answer questions related to clinical practice, the health sciences and society.

About Lund University

Lund University was founded in 1666 and is repeatedly ranked among the world’s top 100 universities. The University has 40,000 students and 7,400 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 the most popular study location in Sweden. Lund University offers one of the broadest ranges of programmes and courses in Scandinavia, based on cross-disciplinary and cutting-edge research. The University has a distinct international profile, with partner universities in over 70 countries.

Lund University has an annual turnover of SEK 8 billion, two-thirds of which are destined for research. Our eight faculties conduct strong research in many different areas, including over thirty research fields in which we are world-leading. Many scientific breakthroughs and pioneering innovations have originated from Lund University.

The world-leading research facilities MAX IV and ESS which are being established in Lund will be of great significance for research and industrial development within materials and life sciences. MAX IV, which was inaugurated in 2016, is the world’s foremost synchrotron radiation facility and the ESS will be the most powerful neutron source in the world once it opens for research in 2023. Science Village Scandinavia is developing nearby, destined to become a meeting place and a test environment for research, education and entrepreneurship.

Learn more at www.lunduniversity.lu.se
Ask questions and follow news at facebook.com/lunduniversity

MORE INFORMATION
For updated information about entry requirements, how to apply, tuition fees and more, please refer to the course webpages. You can find links to the advanced courses at www.lunduniversity.lu.se/medicine