MANAGEMENT NEWS

Latest meeting of the faculty board
At its meeting on 7 June, the board adopted a new model for the allocation of direct government funding at the Faculty of Science. The board also decided to establish the Lund Institute of Advanced Neutron and X-ray Studies (LINXS). Moreover, the board was informed of overproduction, the number of students starting next semester who had one of our courses/programmes as the first choice, and the continued work with regard to agency capital. Further items for decisions and information were also on the agenda.

Latest dean’s bulletin
Olov Sterner writes about the internationalisation of LU’s education and research, as well as about measures to decrease the faculty’s agency capital.
Read more

PRIZES AND AWARDED GRANTS

Millions awarded to researchers
Several researchers at the Faculty of Science have received grants from the Crafoord Foundation.
See the complete list

Two staff members receive prize from the students’ union
Melvyn B Davies (professor at the Department of Astronomy and Theoretical Physics) and Christina Ledje (study advisor and senior lecturer at the Department of Biology) received prizes from the science students’ union at Lund University in connection with the graduation ceremony on 4 June. Davies was awarded the teaching prize and Ledje the honorary prize.
Read more

The faculty receives funding for investments in increasing the digital expertise of its teaching staff
The Faculty of Science has received SEK 200 000 from LU’s Education Board for the development project “Flipped classroom for enhanced teaching expertise”. The project is led by Susanne Pelger, senior lecturer in the didactics of science.

Biologists receives the Skåne wind power award
Martin Green (researcher) and Jens Rydell (visiting researcher) – both at the Department of Biology – have received the 2017 Skåne wind power award for their research on how wind power affects birds and bats.
**APPLY FOR GRANTS AND SCHOLARSHIPS**

**Apply for teaching staff mobility and professional development funding**
Lund University staff can apply for funding from the EU Erasmus+ programme for teaching staff mobility and professional development at one of LU’s partner universities in Europe. The application deadline is 29 September. [Read more and apply](#)

**Apply for U21 funding for collaboration**
Doctoral students can now apply for funding from the U21 programme for research collaboration within the network. The application deadline is 1 August. [Read more and apply](#)

**WHAT’S ON**

**Places still available for the higher education teaching and learning courses in the autumn**
There are still some places available for several of the higher education teaching and learning courses in the autumn, including:
- [Learning and Teaching in Higher Education (online)](#) (apply ASAP)
- [Open Networked Learning](#) (apply ASAP)

**Register for the U21 Three-Minute-Thesis competition**
Doctoral students who are midway through their programmes can now register for the U21 Three-Minute-Thesis competition, in which students are to present the research in three minutes or less. The competition will take place on 23 September at 13:00–15:00 in the lower auditorium inside Palaestra. The registration deadline is 4 September. [Read more on the Staff Pages](#)

**Symposium: “The thinking animal – are other animals intelligent?”, 14 September**
The Royal Physiographic Society in Lund invites you all to a symposium entitled “The thinking animal – are other animals intelligent?”. Time and place: 14 September at 9:00–16.20 in Palaestra. Sign up via email to kansli@fysiografen.se no later than 1 September. [Read more (PDF)](#)

**Conference: Cancer Crosslinks, 25 October**
CREATE Health at Lund University invites you all to the Cancer Crosslinks conference that brings academia, industry and healthcare together in order to increase activity in cancer research, cancer treatments and pharmaceutical development. Time and place: 25 October at 9:00–17:20 at Medicon Village. [Read more and register](#)

**Interdisciplinary conference for doctoral students, 27 November–1 December**
Baltic University Programme (BUP) is organising an interdisciplinary conference, focusing on sustainable development, on 27 November–1 December in Warsaw, Poland. Since Lund University is a member of BUP, doctoral students at LU are only
required to pay for the trip to and from Warsaw. The registration deadline is 18 September.
Read more and register (PDF)

THESES OF THE MONTH
Theses of the month in science
In June, fourteen new theses are presented at the Faculty of Science. They are about computer modelling of plant development, efficiency enhancement of lasers, gold nanoparticle catalysts, gamma radiation detectors and the information they collect, observations of Hankel operators, bat aerodynamics, the impact of temperature on microorganisms in soil, the spatial vision of bees, catalysis processes, a method for measuring radioactivity, carbonaceous aerosols, the impact of certain emissions on tree genes, mechanisms that control the properties of a certain type of clay, and the Hsp21 cell protein. The doctoral students are André Larsson, Alan Mak, Sheetal Sisodiya, Nataša Lalović, Eskil Rydhe, Jonas Håkansson, Johanna Birgander, Aravin Chakravarthi, Sara Blomberg, Karl Östlund, Johan Martinsson, Ylva van Meeningen, Axel Thuresson and Gudrún Rútísóttir.
Search for theses in the research portal
See upcoming public defences

STAFF IN THE SWEDISH MEDIA
Cholesterol plays a key role in the lung
Professor Emma Sparr at the Department of Chemistry was interviewed about new research showing that cholesterol has a major impact on the properties of the thin film that covers the inside of our lungs. Sparr says that the new findings could be a piece of the puzzle for understanding lung function and for new treatments.

Geologist uses synchrotron radiation in his research
Senior lecturer Johan Lindgren at the Department of Geology was interviewed in Curie about his use of synchrotron radiation and infrared microscopy in his research on dinosaurs. “The advantage is that it gives me an indication of the molecular content of a sample, while allowing me to see which structures the chemistry comes from”, he says.

Several endangered species in the Kungsmarken nature reserve
Professor Stefan Andersson at the Department of Biology was interviewed regarding the fact that several rare plant species in the Kungsmarken nature reserve are at risk of becoming extinct while waiting for a decision concerning stricter rules for the golf course located there.

Chemist writes about teaching chemistry
Professor Charlotta Turner at the Department of Chemistry has written an article in Kemivärlden Biotech on teaching chemistry. “Science should be taught to a much greater extent and depth in elementary school, and not only in secondary school when other interests kick in”, she writes.
Professor interviewed about waste management
Professor of Climatology Markku Rummukainen was interviewed in Avfall och Miljö about waste management as a part of climate work. Among other things, Rummukainen says that we must continue to make it easier for consumers to recycle their waste and that the goal must be to have zero waste.

Research group to define life
Senior lecturer Jessica Abbott at the Department of Biology was interviewed in Skånska Dagbladet about an interdisciplinary research project to define life. “Even though we will never hold an alien’s hand, and have a long way to go before we can create synthetic life, the discussion about life must begin now”, she says.

Mathematician interviewed about new premises
Head of department Gudrun Gudmundsdottir at the Centre for Mathematical Sciences was interviewed in Skånska Dagbladet about the fact that the newly renovated lecture halls at the centre have been named after famous Lund mathematicians. The article also mentions Anders Melin and Christer Bennewitz, Professors emeriti at the same department.

Physicist interviewed about ESS
Adjunct professor Mats Lindroos at the Department of Physics was interviewed in Naturvetarna about ESS and his role as accelerator manager. "I believe that ESS, with its international environment, is a peace-building project. We see that we can accomplish more together and gain understanding about each other”, he says.

Researcher studies the living conditions of bees
Johanna Yourstone (doctoral student) and Albin Andersson (project assistant) – both at the Department of Biology – were interviewed about their study of the living conditions of bees in various parts of Skåne. “Our theory is that bees that fly long distances have a competitive advantage at the expense of those that only fly short distances, as they are able to reach flowering crops, such as rapeseed, located further way”, says Yourstone.

Biologist in debate about eco-farming
Professor emeritus Torbjörn Fagerström at the Department of Biology has written two opinion pieces in Svenska Dagbladet on the absence of critical investigative journalism when it comes to the reporting on eco-farming.

Professor interviewed about the cost of an active immune system
Professor Dennis Hasselquist at the Department of Biology was interviewed by SVT Nyheter on account of his upcoming study on whether an active immune system shortens a person’s life expectancy. Hasselquist has discovered that the chromosome ends of the great red warbler become shorter more quickly in individuals with a mild form of malaria compared to those that are healthy.

Latest issue of LUM
In the latest issue of LUM, Jessica Abbot (senior lecturer at the Department of Biology) reports on an interdisciplinary research project about defining life and what can be considered living. The article also mentions Dainis Dravins (post retirement professor at the Department of Astronomy and Theoretical Physics) and Petter Persson (senior lecturer at the Department of Chemistry). Malin Olbe (labour market coordinator at the
science faculty office) is interviewed about the Faculty of Science’s new labour market council. Michael Ljungberg (head of the Medical Radiation Physics division) talks about customised radiation therapy. The article also mentions Katarina Sjögreen-Gleisner (senior lecturer), Johan Gustafsson (postdoc) and Sven-Erik Strand (professor emeritus). Antonio Cordero (postdoc at the Department of Biology) talks about his experiences of crowdfunding. And Christer Lofstedt (head of the Department of Biology) is interviewed about LU’s agency capital.

LUM website

Biologist interviewed about unwelcome plants
Torbjörn Tyler, museum curator at the Department of Biology, was interviewed in several media outlets about invasive plants, such as lupines. “In northern Svealand and southern Norrland, lupines have completely taken over clearings and forests”, he says.

Chemist has written a book on the chemistry of ice-cream
Professor Ulf Ellervik at the Department of Chemistry was interviewed by several media outlets about his new book “Ice-cream for chemists and other bon vivants”.

New investments in the Ystad animal park
Senior lecturer Jep Agrell at the Department of Biology was interviewed in Österlen magasinet about new investments in and activities at the Ystad animal park. These include a new monkey house, new animal species, and the opportunity to meet the zookeepers who work at the park.

Researcher talks about the monitoring of butterflies
Researcher Lars Pettersson at the Department of Biology was mentioned in Skaraborgs Allehanda on account of his report on the Swedish Butterfly Monitoring project.

LAST BUT NOT LEAST
Researcher published an article on The Conversation
Hakim Abdi, PhD graduate at the Department of Physical Geography and Ecosystem Science, has published a popular science article on The Conversation website. The article is called “Chad is the country most vulnerable to climate change – here’s why”. Would you also like to publish an article? Lund University is a member of The Conversation throughout 2017. Articles published on this website are often picked up by major newspapers around the world. For more information, contact the editor at miriam.frankel@theconversation.com. Read the article

See pictures and video clips from the faculty’s graduation ceremony
The Faculty of Science’s graduation ceremony on 4 June this year had a record-breaking number of students (258) and audience (approx. 970). See pictures from the event on the faculty's Flickr page See video clips on LU's Bambuser channel
Available infrastructure for LU researchers
Every month, the Faculty of Medicine calls attention to a particular infrastructure available to LU researchers. The aim is to increase awareness of the range of equipment available at the University. For June, we have MoReLife – a LU-wide network for infrastructures in life science.

Read more

The newsletter is sent to people currently working at the Faculty of Science (employed or organisational role).
Editor: Helena Bergqvist, Faculty Office, Faculty of Science
Insidan is published on alternate Thursdays. The next issue will come out on 29 June. Do you have news you’d like us to include? Send it to the editor by 12 noon on 27 June.

Archive and list of publication dates