KILU Newsletter, week 36, 2019-09-02

KILU Newsletter is the Department of Chemistry's internal newsletter. The letter can be read in the web browser on http://www.kilu.lu.se/internt/kommunikation-och-media/kemiska-institutionens-nyhetsbrev/kilu-newsletter-week-36-2019/

Next Newsletter will be out Tuesday October 1st. Deadline for submissions to is Thursday 26th of September, send information you would like to have in the Newsletter to kommunikation@kilu.lu.se.

News

**LINXS Event: 2nd Symposium - Integrative Structural Biology**

Join us in Lund for a lunch-to-lunch scientific symposium from Wednesday (October 9th) to Friday (October 11st), noon to noon.

Development in the area of structural biology methods combined with new computational possibilities has highlighted the importance of combining different methods in order to maximize the output.

**LINXS related event - Bilayers at the ILL 2019**

The BILL 2019 workshop will be held at the Institut Laue-Langevin in Grenoble, France, during December 11-13, 2019.

The aim of the workshop is to bring together researchers working with on the physico-chemical characterization of lipid bilayers by means of experimental (including scattering and direct space techniques) and theoretical approaches.

If you find the LINXS events exciting and interesting, follow this link to read more about more events by LINXS.

**Research Grand Prix (Forskar Grand Prix)**

Two researchers linked to KILU will participate in this year's Researchers Grand Prix in Helsingborg in September. The event is open to the public and researchers to attend.

Read more about the event here

Messages

**Seminar in organic chemistry**

Prof. Jérôme Lacour, University of Geneva, Switzerland will give a talk with the title "Stereoselective Synthesis & Catalysis with Chiral Helicenes and Reactive Metal Carbenes"

Time and place: Wednesday September 11 at 15.15 in lecture hall C

**Seminar in chemistry**

Dr. Christine Breiner & Dr. Gerold Schmitt Evonik Industries AG, Germany will give a talk with the title: "Specialty Methacrylates – a Versatile Toolbox for Various Applications"

Time and place: Thursday 26th September at 14.15-15.15 Place: KC - Marie Curie

**Associate lecture in Theoretical chemistry**

Martin Trulsson holds his associate lecture on the topic of theoretical chemistry. The title is "Packing problems of objects in science and in everyday life".

Time and place: September 27 at 13.15-14.15 in floor F, Chemical Center.

Future Week at Lund University 14–20 October 2019
Which countries will be the superpowers of tomorrow? Or will the robots take over? How long will we work for – and on what terms? What will we eat in the future? And what does “transition” actually involve? These are some of the questions that Lund University’s researchers will be asking during the University’s Future Week.

Read more about the event and the program here

Personal portrait of chemist - Lo Gorton

Lo Gorton, professor emeritus at the chemical department, has been interviewed in a personal portrait published in Sydsvenskan. Gorton tells about his growing up, his research on extracting electricity from bacteria, and that he was involved in starting the RFSL's department in Malmö.

Read more (for subscribers)

Digital meetings - a way to reduce climate impact

Digital meetings are part of Lund University’s conditions to reduce its climate impact. The University offers cost-free tools such as Zoom, Skype for business and Teams. Lund universitet have a set of different tools available for meetings, video conferences, information exchange in group discussions etc.. LU now promote the use for digital meetings to reduce climate impact. The tools are available, some for download, others are already preinstalled on LU computers. There are also dedicated video conference rooms available at LU, these can be reserved and booked by online.

LU especially promote the new available tool Zoom, a tool provided by SUNET. This is a tool used already by several other universities, easy to use, and implemented with a flexible interface. You find more specific information about Zoom here. LU encourage all to try this toolset out, and also use digital meetings when suitable.

Read mo about all this and find some support. Follow this link

Expanded research funding pages on the KILU website

Following feedback, the Research Funding (Forskningsfinansiering) page of the KILU internal website has been expanded. Alongside the regularly updated list of new funding calls and events, there is also a calendar of regular grants, list of upcoming deadlines, and pages with more general information about funding in Sweden, for newer researchers. If you have any further suggestions about research funding information that would be useful, feel free to contact Louise Howes (louise.howes@kilu.lu.se) (research coordinator at KILU).

Horizon 2020 Work Programmes for grants in 2020 released/updated

During the summer information about the final year of Horizon 2020 funding was released via new or updated Work Programmes (WPs). The European Research Council has announced that €2.2 billion will be available in 2020 to fund ERC grants, an increase of more than €200 million over the 2019 call. The biggest change to the calls in 2020 is that the upper limit of funds available for start-up costs has been increased to €1 million for both Starting and Consolidator Grants, to align them with the amount previously available to only Advanced Grant applicants. Information on the ERC 2020 WP can be found here

From Eye to insight - LEICA THUNDER workshop, Lund 23rd-26th September

It is with great pleasure that we invite you to participate in the Leica THUNDER Days taking place in September 2019. It will be a unique opportunity to get a dedicated introduction to the new THUNDER Imagers from Leica Microsystems.

THUNDER Imagers remove the out-of-focus blur that comes with three-dimensional samples through Computational Clearing, an exclusive new breakthrough technology. Come and see how you can benefit from the ease of use, speed and sensitivity of a widefield system to decode 3D biology of thick specimen in real time.

A link to more detailed information about the workshop.

If you would like to read more about the Leica system in detail, follow this link

Research funding

Upcoming deadlines

- SSF Strategic Mobility 2019: 10 September 2019
- Marie Skłodowska-Curie Individual Fellowships: 11 September 2019
- Kamprad Family Foundation Research Grant: 12 September 2019
- VR Conference Grant: 24 September 2019
- VR International Postdoc: 24 September 2019
- Fysiografen Postdoctoral Stipends: 25 September 2019
- Fysiografen Research Grants: 25 September 2019
KAW Research Projects (LU internal deadline for Letters of Intent): 27 September 2019

STINT Mobility Grants for Internationalisation: 27 September 2019

ERC Starting Grant: 16 October 2019

ERC Synergy Grant: 5 November 2019

Seek funding for research linked to the UN's global goals

The Foundation for Strategic Research calls for SEK 200 million for research that can help solve some of the challenges facing humanity. The call focuses on four areas:

- The next generation of antibiotics and the prevention of pandemics
- Plant biology, including GMO and CRISPR / Cas9
- Future nuclear power
- Hydrogen and fuel cells

The deadline for applications is 21 January.

Read more here

SSF Agenda 2030 Research Centers

The Swedish Foundation for Strategic Research has announced funding for the establishment of four research centres on future advanced technology for sustainability. The four centers will receive 40-60 MSEK each over a five- or six-year period. One center will be funded in each of the following areas:

- Future nuclear power
- Plant biotechnology, including GMO and CRISPR/Cas9
- Hydrogen/Fuel cells
- Next generation of antibiotics and/or preventing pandemics.

The application deadline is 21 January 2020. Those from the department who are interested in submitting an application are encouraged to contact Louise. More information is available at the SSF website.

Sundbladsfondens Kopmetensutvecklingspris 2020

The Swedish pulp and paper industry needs to constantly evolve to compete in the competition. Each year, the Gunnar Sundblad Research Foundation donates SEK 500,000 to a Competence Development Award that will contribute to insights on new process and product opportunities.

All cross-border proposals aimed at creating new knowledge, new skills or new networks is qualifying. Proposals involving research into new environments within or outside Sweden are welcome. The recipient of the award can be research leader, researcher or research student related to educational institution, institute or company in Sweden. The prize is administered by the award winner's employer. See also www.sundbladsfonden.se.

The first step is to register, do this at latest 30th of November 2019

Researchers in media

Crystals can make solar cells more efficient

Tönu Pullerits, professor at the chemical department, has been interviewed in Sydsvenskan about his work on developing more efficient solar cells using the Perovskite crystal structure. Pullerits tells, among other things, that Perovskite is good at absorbing light, but is sensitive to moisture. "We work with very thin plates of perovskite, which on both sides are surrounded by an oily layer of molecules, which repel moisture," he says.

Read more (only for paying readers, in Swedish)

Calendar

Seminar

Johanna Björkmalm presents here licenciate degree exam - Design of kinetic models for assessment of critical aspects in bioprocess development - A case study of biohydrogen. Opponent will be Prof. Mohammad Taherzadeh, Borås univ.

Place: Marie Curie Room , Kemicentrum
Time: 2019-09-27, 10.15
I link to the Calendar here, there are continuously new events, it is best to regularly check the Calendar for up to date list of events. The link is http://www.kilu.lu.se/kalendarium/