TALKING HEADS

This spring has been unusual in many ways. We have been trained to use a vocabulary that most of us have not encountered before. Words like “the herd”, Zoom, Teams, and Corona just to mention a few. In this new working climate, we have been forced to change our ways of teaching and communication in a very short time frame. As teachers and administrators, you deserve all possible cred you can get for making this shift possible. We are very proud of you. We especially wish to thank Sophie Manner and Annelie Raimer, your efforts have been completely amazing and without you the entire education at the department would just fall apart. Many, many thanks.

We do not know how long the present covid-19 situation will last. However, we must plan for digital teaching for the rest of the year. Some of our lab courses have also been postponed until August.

When it comes to our central KILU administration, we are making several changes. Håkan Hansson takes over as head of administration and Henrik Steen will be our new head of economics. A special warm welcome to Henrik. Caroline Lindblom has also a partly new role and is now responsible among others for our caretakers.

RQ20, the universal evaluation of research activities at our university, was conducted during the first week of May. We will know the outcome of this by the end of the year, but our impression is that the evaluators were confused by our organization both at the Faculty and Department levels. One department, two faculties and a mixture of units and divisions are of course far from optimal. There are several solutions how we can manage this, but we would like to invite interested to join such discussions.

We therefore would like to form a group, discussing the future of KILU. It spans over all areas and issues, and includes e.g. teaching, research, interactions with surrounding society, and administration. What changes do we need to do in the coming 10 years? Several questions pop up. How can we form an even more stimulating working atmosphere for our students and staff? Can we improve our teaching and if so, what is needed? How do we organize ourselves in divisions and units? How do we recruit the best students and scientists? How do we improve our research quality and can we monitor it? How and to what extent should we be involved at SVS (Brunnshög)?

We are not aiming for a traditional working group, but we rather would like to see a group of volunteers from different units of our department, who wish to take part in the planning of a department that is fit for the future. Please contact any of us if you would like to contribute to form a vision for KILU in ten years’ time, KILU2030, during the autumn.

/Leif and Ola

KILU 2030 - VOLUNTEERS NEEDED

Do you wish to influence the future for our department? Help us plan for the future for our teaching, research and administration. We need your input. You are a student, PhD student, postdoc, scientist, emeritus or administrator. This KILU 2030 Vision group will initiate our work ahead during this autumn. Your ideas will be instrumental for building a new KILU for the coming years.

If you wish to be involved, please contact Ola or Leif before June 15. (Ola.Wendt@chem.lu.se; Leif.Bulow@kilu.lu.se)
NEWS

Funding from Vinnova for research on antimicrobial characteristics of Histatin 5
Marie Skepö (The Division of Theoretical Chemistry) has been awarded funding from Vinnova within the call “Increasing capacity and skills of PhD students regarding industrially relevant neutron and synchrotron-based analytical methods”. The project aims to study the antimicrobial characteristics of Histatin 5 using neutrons and simulations. Also involved in the project are Dr. Yuri Gerelli, from Università Politecnica delle Marche in Italy and Dr. Tilo Seydel, from ILL in France.

Funding from HALOS for research on PEGylards self-associated antimicrobial peptides
Marie Skepö (The Division of Theoretical Chemistry) has been awarded funding (co-applicant) from HALOS (Hanseatic League of Science), together with Dr. Reidar Lund from University of Oslo. The project aims to study PEGylards self-associated antimicrobial peptides using neutron and low-angle X-ray scattering and computer simulations.

HALOS is an EU project in the program area Öresund-Kattegatt-Skagerak (ÖKS) interreg.

Lieselotte Cloetens received a grant from SweLife and MedTech4Health
Dr. Lieselotte Cloetens (The Division of Pure and Applied Biochemistry) has been granted a total of 3 million SEK by SweLife and MedTech4Health, both funded by the government through Sweden’s innovation agency Vinnova. The collaborative project entitled “Arabinoyxlan-oligosaccharides as a co-medical food to treat diabetes” involves scientists from The Division of Biotechnology (prof. Patrick Adlercreutz), Region Skåne (prof. dr. Mona Landin-Olsson) and Carbiotix AB. The project aims to investigate whether a new version of arabinoyxlan-oligosaccharides (AXOS), recently developed by Carbiotix AB, can contribute to a better gut health and a significantly improved adherence to metformin treatment resulting in better clinical management of type 2 diabetes.

Röntgen-Ångström Cluster (RÅC) research project grant on ”1 MHz High throughput fixed target serial crystallography”
Susanna Törnroth-Horsefield from the Division of Biochemistry and Structural Biology at KILU has together with Dr Laura Gunn at Uppsala University been granted 8 MSEK from the Swedish research council. The project, coordinated by Susanna Törnroth-Horsefield, is a Swedish-German collaboration which aims to develop new methods and sample delivery systems for serial crystallography at synchrotron and free electron laser facilities, thereby facilitating the use of this method to tackle current and future challenges in Structural Biology and Life Sciences.

New publication in Cell
Susanna Törnroth-Horsefield at the Division of Biochemistry and Structural Biology has together with an international team of scientists recently published a paper in Cell regarding a novel treatment for brain and spinal cord edema. The paper lead to a news article on SVT.se on May 15.

Read the full version of the article “Targeting Aquaporin-4 Subcellular Localization to Treat Central Nervous System Edema”
Read the news article on the SVT website
New study disproves theories about the significance of quantum mechanics for photosynthesis

A new study disproves theories about the significance of quantum mechanics for photosynthesis. The study was published in Sciences Advances. Donatas Zigmantas from The Division of Chemical Physics at KILU, was part of the study together with several other universities. Read more about the study (in Swedish).

RESEARCHERS IN MEDIA

- In the latest issue of LUM Charlotta Turner, from CAS, talks about the work involved in producing hand sanitiser for healthcare.

- Ulf Ellervik, from CAS, has written a feature article about smallpox and vaccine. “Smallpox, which plagued humankind for thousands of years, was declared defeated by vaccine in the 1980s. Read the article in Svenska Dagbladet (subscription required).

- Ulf Ellervik, from CAS, was interviewed in several media outlets about the coronavirus and why it is difficult to find a drug that is effective against the virus. For example: Sveriges Radio & Sydsvenskan.

- Sara Snogerup Linse, The Division of Biochemistry and Structural Biology, was interviewed about a new study in which researchers have succeeded in quantifying the toxic oligomers that break down the brain’s neural cells in Alzheimer’s disease. Read the article on Forskning.se.

- Ulf Ellervik, from CAS, was interviewed concerning an essay he wrote “Viruses – really evil chemistry”, which can be downloaded free of charge. Read the article in Forskning & Framsteg.

INFORMATION FROM THE LIBRARY

Access to all e-books from Royal Society of Chemistry
The library have purchased three e-book collections for year 2017-2019 from Royal Society of Chemistry and therefore have permanent access to all e-books from 1968-2019. Access to RSC content

Temporary Open & Free Resources
De Gruyter and partners
The library have access to all e-books from De Gruyter and partners until June 30.

Elsevier
The library have access to all e-books from Elsevier (including textbooks) until July 17 in ScienceDirect.

AccessEngineering
AccessEngineering is available until May 31. The database contains a lot of handbooks (including Perry's) and introductions (Schaum's outlines incl. organic chemistry and biochemistry) and the textbook Water and wastewater engineering by Mackenzie. A useful resource for chemical engineers and chemistry students.

JoVe Videos
JoVe Videos is providing all education video content free to use until June 15.

Read more about temporary open and free resources on the library website.
DON'T MISS..

Postgraduate Courses in the Life Sciences

A package of short, intensive PhD courses is run in the autumn of 2020. The courses focus on practicals and techniques relevant in the life sciences fields of biology, chemistry, medicine, physics, mathematics and engineering.

Each course is one week long, full-time, and has max 8 participants. Information about the course package, course content and how to apply, is found at the webpage: www.cmps.lu.se/life_sciences/

The courses are open for application by all registered PhD students of any faculty.

**Deadline for application:** May 31, 2020.

PhD course in Supercritical Fluid Technology, NAKE002, 4,5 hp

The course will be given between 8–22 June. All theory lectures will be given by Zoom. The course will only be arranged if a minimum of 6 participants enrolls, and the maximum number of physically present participants is 12. Therefore, if you would like to take this course, send an email to Charlotta Turner (Charlotta.Turner@chem.lu.se) no later than 2nd of June 2020 to sign up, even if you only plan to take the theoretical part. See preliminary schedule (Pdf document).

LINXS WEBINAR SERIES - LET'S DIVE INTO THE ATOMS

LINXS, Lund Institute of advanced Neutron and X-Ray Science, invites researchers to a web-seminar series introducing x-ray and neutron science from a methods perspective. The aim is to create a fundamental understanding of how you as a researcher can use x-rays and neutrons in your own research.

The webinars are free to attend and open to all researchers from around the world. You do not need any in-depth knowledge of x-rays and neutron methods. If you are curious to get to know how the matters interact at atomic level, you are most welcome to dive deeper into the atoms with us.

**The first webinar is on 3rd June.**

Read more and register here: [http://www.linxs.se/linxs-webinar-series](http://www.linxs.se/linxs-webinar-series)

RESEARCH FUNDING

Information Meeting: KAW Project Grants

There will be an information meeting for all considering applying for KAW Project Grant in January 2021 (note the LU internal deadline to apply for the grant is usually late September), held via Zoom. You must register for the meeting before 15 June in order to attend.

**Date:** June 17, 10.00 – 11.30

More information

MSCA Individual Fellowships workshop - CANCELLED

Unfortunately, due to the restrictions around Covid-19, the planned workshop on May 27 focusing on MSCA Individual Fellowships was cancelled. Research Services are offering an adjusted range of support this year to those applying in 2020, including access to recorded workshop from 2019.

More information
Reminder of Upcoming Deadlines

- **SSF Industry PhD Grants 2020**: Deadline 2 June
- **Formas/Vinnova AI in service of climate**: Deadline 25 August
- **ERC Advanced Grant**: Deadline 26 August
- **Formas Urgent Grants 2020**: Deadline 31 August
- **MSCA Individual Fellowships**: Deadline 9 September
- **SSF Strategic Mobility 2020**: Deadline 10 September

Nb. Don’t forget to check the [KILU Research Funding webpages](#) for information on upcoming calls.

MESSAGES

Election for the term 2021–2023 at the Department of Chemistry

In 2020, the head of department, assistant head of department and members of the department board for the term 2021-2023 are to be appointed. The election involves electing teaching staff and other staff of the department board, and proposing the head of department and assistant head of department.

Also members of the board of undergraduate studies (GU-nämnd) are to be elected, which concerns only the part of the department that belongs to the Faculty of Science.

**NOMINATING COMMITTEE AT KILU**

In April The Department of Chemistry’s nominating committee were established. The by-election took place between 1 April and 23 April 2020.

The following members were elected:

*Teaching staff*
Mikael Akke
Kenneth Wärnmark (replacing Ulf Nilsson)
Emma Sparr
Jenny Schelin

*Other staff*
Maria Södergren
Sofia Essén
Håkan Hansson (replacing Karolina Isaksson)

**NOMINATION TO HEAD OF DEPARTMENT, DEPUTY HEAD OF DEPARTMENT, KILU BOARD AND BOARD OF UNDERGRADUATE STUDIES (GU-NÄMND)**

Between 30 April and 15 May 2020 it was possible to make nominations to The nominating committee. In the beginning of June The nominating committee at KILU will present their suggestion for Head of Department, Deputy Head of Department, KILU Board and board of undergraduate studies (GU-nämnd) for the term 2021-2023.

The election will take place in June (preliminary).
Opening hours at Kemicentrum during the summer

**THE INFORMATION DESK**
1 June – 19 June: 08.00 – 15.15 (19 June CLOSED)
22 June – 14 August: 10.00 – 12.00

Regular opening hours from the 17th of August.

**THE LIBRARY**
1 June – 12 June: 09.00 – 15.00 (no staff between 12.00-13.00)
15 June – 10 July: 10.00 – 12.00 (19 June CLOSED)
13 July – 24 July: CLOSED
27 July – 21 August: 10.00 – 12.00 (closed parts of week 33 & 34).

Regular opening hours from the 24th of August.

**THE ENTRANCES**
All entrance doors are closed until further notice. Employees and students with valid access on their LU cards may enter Kemicentrum.

Message from the Environment, Health & Safety (EHS) coordinator
During the summer there will be fewer people at work so check if any doors are left unlocked unnecessarily. When you go on vacation do not leave things visible at your workplace that can attract attention from thieves. If possible, keep your computer locked in.

Caretaker’s office at Kemicentrum operated by The administration at KILU
The Caretaker's office at Kemicentrum is since May 1 operated by The administration at the Department of Chemistry. We also welcome our new caretaker, Elin Fredriksson.

Primula closed due to upgrading, 1–3 June
Primula will be closed 1–3 June, due to upgrading and migration to a new technical platform. Certain preparatory activities may be carried out earlier, during the weekend 30–31 May, which may mean operational disturbances.

Information from the Swedish Social Insurance Agency (Försäkringskassan) about The coronavirus/covid-19
On the Swedish Social Insurance Agency's website you will find up-to-date information on The coronavirus/covid-19 and applicable regulations. For example information regarding rules for disease carrier allowance, travel allowance, sickness benefit, care of a sick child (vab), doctor’s certificate and temporarily suspend the deduction from sick pay.

The government has decided to temporarily suspend the deduction from sick pay. This means that you can apply for a retroactive reimbursement for deductions that your employer has made from your sick pay from the 11th March 2020. This is applicable if you are employed and have had a deduction of sick pay. Your reimbursement will be 700 Krone before taxes. The compensation will be raised to 804 SEK before tax as of the 1st of June. The compensation is handled by The Social Insurance Agency and you can apply by logging in to My pages (Mina sidor) on the Social Insurance Agency's website.

Read more on the Swedish Social Insurance Agency's website.

Keep updated about the coronavirus
The University’s staff and students are urged to stay updated about the coronavirus.
The University's handling of the coronavirus – lunduniversity.lu.se