News

Marie Skepö gets millions from NordForsk

Marie Skepö from the Division of Theoretical Chemistry, has in collaboration with Lise Arleth and Kresten Lindorff-Larsen at University of Copenhagen, and Jens Preben Morth at University of Oslo received NOK 6.8 million from NordForsk for a project entitled “The structure of membrane proteins under solution conditions”.

Read more

Kimberly Dick Thelander has been awarded funding from the Swedish Research Council

The Swedish Research Council has reached decisions regarding the call Consolidator Grant in autumn 2016. A total of 307 applications were received and out of these 20 have been approved. Kimberly Dick Thelander from Solid State Physics and CAS, will receive SEK 9.7 million for the period 2017-2022 for the project “In-situ transmission electron microscopy of fundamental dynamic processes in crystal growth”.

On the VR website, you can read more about the Consolidator Grant.

Anna Stradner has been awarded funding from the Swedish Research Council

In the November issue of KILU Newsletter we wrote about who received funding from the Swedish Research Council in this year’s major call for applications within Science and Engineering. Also Anna Strander at The Division of Physical Chemistry was awarded funding in this year’s major call for applications within Science and Engineering, SEK 2.8 million.

Researchers at the Department of Chemistry receive infrastructure funding from the Faculty of Science

Sven Lidin, Daniel Strand and Ola Wendt have received infrastructure funding from the Faculty of Science.

A study on protein dynamics under conditions prevailing in living cells reveals dramatic influence of weak protein-protein interactions

Protein motion in the dense and crowded environment of a living cell is essential for the functioning of the cellular machinery. In particular, the so-called short time diffusion on small length scales comparable to the typical distance between two proteins is a key quantity for many processes such as signal transmission or reactions between proteins, but has remained extremely difficult to determine experimentally under conditions prevailing in cells.

Researchers at the Division of Physical Chemistry and Forschungszentrum Jülich (Germany) have now used neutron scattering experiments combined with computer simulations to study diffusion in such crowded protein solutions. The work has been published in Science Advances. Read more

Researchers in media

Leif Bülow was interviewed about research on hemoglobin from sugar beets could serve as a blood substitute. Read about it here (in Swedish): Aktuellt om Vetenskap och Hälsa, Sydsvenskan, Kvällsposten, Landskrona Posten.

Ulf Ellervik was interviewed by Sveriges Radio about his latest book “Ursprung”. Listen here (in Swedish).
Ulf Ellervik has written an article in Kemivärlden Biotech about how we got chemotherapy. Read the article (in Swedish).

Kenneth Wärnmark has written an article in Kemivärlden Biotech about the TOC-symposium that took place at Kemicentrum in October. Read the article (in Swedish)

Don't miss..

Lecture: Gender and Natural science – what does recent research and experiences say?

All employees at the Department of Chemistry are welcome to an inspirational lecture given by Tomas Brage, Professor of Physics at Lund University. In this talk Tomas Brage will give some examples on how you can approach the question on "what does gender have to do with Natural science”.

**Time and Place**
The lecture will be given on two occasions, February 15 and March 8, and each division is invited to one of the two dates. Coffee and cake will be served from 14.30 and the lecture starts at 15.00 (lecture hall A, Kemicentrum). If you can’t attend on the actual date, please inform the head of the division.

**15 February**
Invited divisions:
• The Administration
• Biophysical Chemistry
• Biotechnology
• CAS
• Applied Microbiology
• Pure and Applied Biochemistry

**8 March**
Invited divisions:
• Biochemistry and Structural Biology
• Physical Chemistry
• Chemical Physics
• Theoretical Chemistry

Since we expect all employees to attend – no registration needed.

For more information, see program. (PDF).

Seminar: Low dose exposure to microbial and chemical foodborne contaminants causing liver steatosis; a cumulative assessment group – a ring in an imperfect marriage

A seminar given by Professor Andreja Rajkovic, Department of Food safety and Food quality, Gent University, Belgium. **Time and place:** December 15, 15:00-16:00, Kemicentrum lecture hall F.

Nobel lecture 2016, 15 December
Bernard L. Feringa, one of the winners of the Nobel Prize for Chemistry, will hold a lecture entitled “Dynamic Molecular Systems, from switches to motors”. The lecture is arranged by The Chemical Society in Lund, and will be held in English. **Time and place:** 15 December from 13:30 to 15:00 in the auditorium at LUX, Helgonavägen 3, Lund (Doors open at 13.00). Read more
Seminar: The puzzle of self-assembly and the self-assembly of puzzles

A seminar by Professor Daan Frenkel, Department of Chemistry, University of Cambridge.

**Time and place:** January 9, 14.15-15, Kemicentrum lecture hall B.

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**Information from the library**

**Save substances from SciFinder for further analysis**

A feature in SciFinder has been opened up for us which enables users to save chemical structures from articles and patents as an *.sdf or *.mol file to various software programs such as ChemBioDraw for chemical table viewing, editing or advanced calculations.

* [A detailed description of the feature](#)

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**The ASTM Compass in trial use until December 21st**

The ASTM Compass is a vast collection of standards and technical engineering information.

* [Register and access the database here](#)

* [Instructions on how to register](#)

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**Financial information**

**Financial report- Budget 2017**

The budget for 2017 for the Department of Chemistry is now submitted to the Faculty of Science and the Faculty of Engineering. The budgeted financial result for the Department of Chemistry as a whole, including the board of joint services at Kemicentrum (husstyrelsen), is -9,3 MSEK, which is also the financial result forecasted for the year 2016.

Education is budgeted at a financial result of -1,6 MSEK. Please note that 1,2 MSEK of the deviation, both on the income as well as on the cost side of Education, is related to a different handling of courses, that we are purchasing from other departments, and are therefore not real increases. The remaining cost increase on Education is mainly caused by costs for premises, both due to lower subsidies from the Faculty of Engineering but also a redistribution of costs from Research to Education. Research is budgeted at a deficit of -7,7 MSEK, i.e. 0,9 MSEK better compared to the latest forecast for 2016 (P3).

For Research the government grants are decreasing by 6,3 MSEK, whereas the external income, consisting of both grants and external research assignments, is 14,4 MSEK lower, when accruals for grants paid retroactively and in advance are considered. It should be noted that the budget 2017 only includes external financing that has already been approved, whereas historically researchers also receive new grant approvals during the year, as they submit their applications continuously. This means that there is potential for the Department of Chemistry to deliver financial results that are not fully as negative as the budget for the coming year. As the budget is based on known and approved income, there is also a correlation with costs, meaning that additional resources are included in the budget for 2017 in the cases where financing exists. This results in a reduction of costs with 22,4 MSEK for Research, which is mainly caused by lower costs for personnel and depreciation. Additionally the total cost for premises decreases by 4,8 MSEK due to the fact that part of costs related to reconstruction of building 1 are now covered and will therefore no longer be charged to the board of joint services at Kemicentrum.

Due to the negative financial results as per latest forecast, i.e. P3 2016, and as per budget 2017, the equity (myndighetskapital) of the Department of Chemistry as a whole, including the board of joint services at Kemicentrum (husstyrelsen), is expected to decrease from 77,9 MSEK at the end of 2015 to 59,3 MSEK at the end of 2017.
If you have any questions contact Karolina Isaksson, Head of Finance at the Department of Chemistry.

<table>
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<th>KILU Tot (KSEK)</th>
<th>BU 2017</th>
<th>P3 2016</th>
<th>Diff</th>
<th>Diff %</th>
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<td><strong>Resultat</strong></td>
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<tr>
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<td>22 364</td>
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<td><strong>Total resultat</strong></td>
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<td>-9 301</td>
<td>-11</td>
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Messages

Opening hours at Kemicentrum during the Christmas holiday

**THE INFORMATION DESK**
Thursday 22/12: 10.00-12.00
Friday 23/12: CLOSED
Monday 26/12: CLOSED
Tuesday 27/12 - Friday 30/12: 10.00-12.00
Monday 2/1 – Thursday 5/1: 10.00-12.00
Friday 6/1: CLOSED

Regular opening hours from the 9th of January.

**THE LIBRARY**
Thursday 22/12: 10.00 -13.00
Friday: 23/12 – Sunday 1/1: CLOSED
Monday 2/1 – 4/1: 10.00-15.00
Thursday 5/1 – Friday 6/1: CLOSED

Regular opening hours from the 9th of January.

**THE ENTRANCES**
The 23rd of December from 12.00 only entrance A, B and E are open for those with an entrance card. The lecture halls are locked from 12.00 (employees can open the lecture halls with an entrance card).

Work days between 24/12-1/1 the entrances are open for those with an entrance card. Weekends and holidays during this period only entrance A, B and E are open for those with an entrance card. Between 2/1 – 4/1 the entrances are open 07.30-16.30. Between 16.30-07.30 the entrances are open only for those with an entrance card. The lecture halls are locked between 2/1-4/1 (employees can open the lecture halls with an entrance card).

The 5th of January from 12.00 only entrance A, B and E are open for those with an entrance card. The 6th of January only entrance A, B and E are open for those with an entrance card.

Sten K Johnson Foundation
Sten K Johnson Foundation wants to reach out to individuals, organizations and companies (with a link to Skåne) who have vision and drive to develop projects in education, culture, technology, medicine, entrepreneurship,
literature and music. Welcome with your application for our grants during our application period for 2017, January 17th – February 14th.
Read more at [www.stenkjohnsonsstiftelse.se](http://www.stenkjohnsonsstiftelse.se)

**At Lund University**

**LU 350 years**

On 19 December, Lund University’s 350th anniversary celebrations will be inaugurated with a Jubilee event. **Time and place:** Main University building from 10:00-14:00. All those interested are most welcome to attend; no registration is required. [Read more](#)

The jubilee book, Lund University over 350 years, has now been launched in both the Swedish and English versions. The book is available for purchase in the LU Shop in Winstrupsgatan 8 and in bookshops. [Read more](#)

**CALENDAR**

**Lecture**

*Nobel Lecture 2016*

**Time:** 2016-12-15 13:30 - 15:00

**Seminar**

*Low dose exposure to microbial and chemical foodborne contaminants causing liver steatosis; a cumulative assessment group – a ring in an imperfect marriage*

**Time:** 2016-12-15 15:00 -16:00

**Dissertation**

*Defense of thesis in Applied Microbiology*

**Time:** 2016-12-16 10:15 - 13:00

**Seminar**

*Daan Frenkel: The puzzle of self-assembly and the self-assembly of puzzles*

**Time:** 2017-01-09 14:15 - 15:00

**Seminar**

*Jenny Andersson: Physical Chemistry Seminar*

**Time:** 2017-01-12 14:15 - 15:00

**Seminar**

*Felix Roosen-Runge: Physical Chemistry Seminar*

**Time:** 2017-01-17 14:15 - 15:00