



Greetings from Director Stephen Hall

2019 is coming to an end, and for LINXS it has been an active and intensive year. We have welcomed a great number of new working groups, started the recruitment of a new director and announced the call for a new theme. We have also organised a range of very successful events, workshops and meetings as well as welcomed our first visiting guest researchers. Simultaneously, we have had important and interesting discussions on how LINXS should develop in the future and how LINXS best can support the advancement of science using neutrons and x-rays through optimal use of the new techniques, development of new user groups and by bringing together leading experts in experimentation, theory and modeling.

Coming up we have an exciting spring term with lot of activities from our themes and working groups. To name a few: in February and March, the working group on geoarcheology will run try out workshops in Munich and Trieste. Also in March, we have a PhD school on neutron imaging together with SwedNess, and are hosting another PhD school with [COMPUTE](#). In April, we have the 18th Food Colloids conference. Then in May, three of our working groups, on tomography, time resolved structural biology and amyloids will host workshops, followed by the 16th International Conference on Surface X-ray and Neutron Scattering in June.



For the autumn, amyloid will organise two additional workshops, and the working group on food will also host a Master Class. Then, topping off the year, we have Nordic Lights on Food 2, and also the final symposium for the Imaging theme which is coming to an end in December. We will also co-host the Bilayers Conference together with ESS at the end of 2020. In addition, we will organise and host a number of meetings on new techniques including STXM and CDI.

Keep an eye on the LINXS website for more details on these and other events at LINXS and in the wider x-ray and neutron community. Early next year, we will also welcome our new visiting guest researcher, Stefano Mezzasalma from the Ruđer Bošković Institute, the first of a number of guest researchers in 2020.

But for now, we want to wish you a happy holiday and a great new year! Thank you for your continued support of, and involvement in LINXS. See you in 2020!

Call for LINXS Theme 2020-2023

LINXS has opened a Theme call for 2020 – 2023, in the areas of hard-condensed matter, materials, and related areas in order to complement the existing Themes at the institute.

LINXS welcomes applications from research groups from partner organisations (currently Lund University) who would like to drive funded activities under a Theme framework for 2020 –2023 as



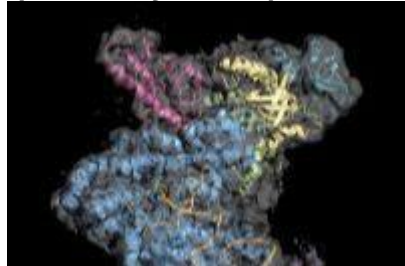
well as support the realisation of the LINXS vision and mission.

[To call for LINXS Theme 2020-2023](#)

ISB second symposium highlights needs for using complementary techniques

The Integrative Structural Biology theme had its second symposium in October 2019 - an event that gathered close to a hundred researchers from different universities. - It is really interesting to hear the stories behind other researchers' results and publications. By meeting others, you get inspired in your own research, and can identify future collaborators, says one of the keynote speakers, Professor Nieng Yan, from Princeton University.

[To the full article on LINXS.se](#)



What is the new Working Group on Food Science and Technology About?

– The relation between food structure and nutritional value and health benefits are not fully understood. Consequently, it is of utmost importance to be able to characterize both the structure at different length scales and the spatial distribution of different components both during structure evolution and in the final food. This must be done to design new, healthy and attractive products, and to optimize processing and formulation to reduce energy consumption, production time and waste for a sustainable food supply chain, says Selma Maric, industrial relations officer at MAX IV.

[To the full article on LINXS.se](#)



William Walker gives us a head up on the upcoming Working Group on Membrane Proteins

William Walker is a researcher at the Swedish University of Agricultural Sciences. In this short interview he explains why the soon to be established working group, Membrane Proteins, was formed.

[To the full article on LINXS.se](#)



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Upcoming Events at LINXS

These are our **current upcoming events**. Events are open to all researchers from academia and industry.

[LINXS Related Event - 17th Nordic Workshop on Scattering from Soft Matter](#)

14-15 Jan

[LINXS Event - QUANTIM Hackathon: 3D visual annotations](#)

12 - 13

March

[LINXS Related Event - ISIS Practical Neutron Training Course](#)

10-19

March

[LINXS Related Event - PhD course - Analytical Methodology in Protein Formulation Development](#)

16-20

March

LINXS Partner Event - 18th Food Colloids conference: Structure, Dynamics and Function	19-22 April
LINXS Related Event- Bombannes 2020 - 15th European Summer School on "Scattering Methods Applied to Soft Condensed Matter"	16-24 June
LINXS Partner Event - 16th International Conference on Surface X-ray and Neutron Scattering (SXNS16)	22-26 June

The LINXS newsletter is sent out approximately four times a year. It highlights news and events from LINXS, as well as information in the area of neutron and x-ray science.

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