



Greetings from the Director Stephen Hall

Welcome back after the summer break! We have lots of exciting news and announcements to kick-off the new term.

To start, we are happy to announce that *New Materials for Energy and Sustainability* has been approved as a LINXS theme from 2020-09-01 to 2023-12-31. The new theme is a great complement to our existing themes with its focus on hard matter and will expand LINXS community into new areas.

We have also just recently opened a new Theme call, where we invite theme proposals relating to the application of x-ray and neutron based science to socioeconomic, environmental, health, cultural or industrial challenges. The new Theme is expected to start in the middle of 2021.



In terms of scientific activities, during these challenging times with the global pandemic, we have obviously needed to adapt our working practices to achieve our goals of connecting people and communities to advance science. We have been developing digital meeting possibilities and a number of working groups are organising workshops and seminars during the autumn, in digital or mixed physical/digital form. Some activities have been moved forward to the spring, due to the desire to have physical meetings, when we hope that the situation will have improved. LINXS is also participating in Lund University Future Week, with an open lecture on archeology and new techniques, including using x-rays and neutrons.

We have also been working on developing the educational aspect of our mission. For example, our webinar series, "Let's Dive into the Atoms", continues with another set of lectures starting in October. Furthermore, the *Northern Lights on Food* Masterclass is currently underway at LINXS in mixed physical/digital form with filming of the lectures for remote participation and to enable later release of the course material as another webinar series. We are also developing an integrated knowledge-base and associated tools in a Wiki, as part of our ambition to create resources to attract and help new users to x-ray and neutron facilities. See the "Education" tab on the LINXS website for more details.

We would also like to highlight that LINXS is open this autumn, but with corona-adjustments. That means that you can come to the LINXS offices and work within your working groups and have smaller meetings, but with small groups and respecting social distancing. LINXS management and administration is in part working from home, but we are here at least a couple of times a week if you want to meet us - to make sure someone is around, just send us a quick email.

We also have some changes to the LINXS management, with Jens Lagerstedt leaving LINXS and academia for an exciting new project in industry. We would like to take this opportunity to thank Jens for his many contributions to LINXS, including in the management group and in establishing the Integrative Structural Biology theme. We also welcome Oxana Klementieva, as the new Co-Director at LINXS, and Karin Lindkvist, who will take over as core group theme leader of the ISBTheme.

Finally, we are planning for the coming year and we welcome discussions on participation in our visitors program, which we aim to run, in accordance with the evolving national and international guidelines.



Call for Theme 2020 - New LINXS Call

LINXS invites proposals for a new Theme relating to the application of x-ray and neutron based science to socioeconomic, environmental, health, cultural or industrial challenges, to complement the existing Themes.

We encourage new proposals to develop topics in applied research where neutrons and x-rays implicitly make a difference and where “applied” can encompass private and/or public sector applications as well as global challenges (as defined by [Horizon](#)

[Europe](#) or the United Nations [Sustainable Development Goals](#)

LINXS welcomes applications for Themes from the community at LINXS partner organisations. The current partner is Lund University. Anyone with tenure, tenure-track or a permanent position at partner organisations can apply as the lead applicant for a Theme. Researchers from non-partner organisations can, and are encouraged, to be involved in a Theme application, but not as lead applicant.

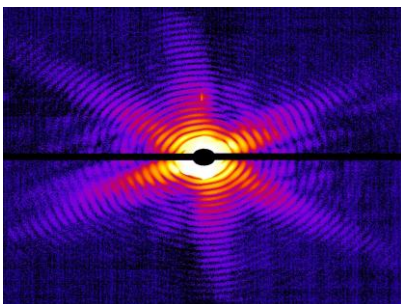
[To the theme call at LINXS.se](#)

New Theme at LINXS: New Materials for Energy and Sustainability

LINXS is pleased to announce that *New Materials for Energy and Sustainability* has been approved as a LINXS theme from 2020-09-01 to 2023-12-31.

– The new theme is a great complement to our existing themes with its focus on hard matter and will expand LINXS community into new areas. It is both scientifically interesting and extremely relevant to current global challenges. Global demand for energy is rapidly increasing, and the need for more efficient and reliable sustainable energy sources remains one of our greatest challenges, says Stephen Hall, Director of LINXS.

[Read an interview with Theme leader, Professor Elizabeth Blackburn, about the new theme at LINXS.se](#)



LINXS Webinar Series Continues in October

LINXS is launching a new set of webinars in its webinar series, Let's Dive Into the Atoms. The new webinars start in mid-October and go on to Christmas.

– We want to develop the concept further, and include both specific and more general information that can be of use to researchers who are interested in using x-rays and neutrons, says Anurag Kawde, webinar moderator and post-doc at LINXS.

[Read an article about the webinar series at LINXS.se](#)

Changes in LINXS Management and Theme leadership

Oxana Klementieva, associate senior lecturer and the head of the Medical Microspectroscopy research

group at the Medical Faculty at Lund University, is new Co-Director at LINXS.

[Read about Oxana Klementieva at LINXS.se](#)

Karin Lindkvist, Professor in Medical Structural Biology at Lund University, is new core group theme leader of the Integrative Structural Biology Theme.

[Read about Karin Lindkvist at LINXS.se](#)

LINXS Educational Feature

LINXS has developed a new educational page at LINXS.se to support researchers to start using neutron and x-ray techniques in their own work. This resource will be a complement to our other scientific LINXS activities.

Feel free to use this material in any lecturers or classes targeted at students or other researchers. We also welcome feedback.

[To LINXS educational page at LINXS.se](#)



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RISE LSRI has Joined LINXS Membership Programme

LINXS is happy to announce that the RISE Large Scale Research Infrastructure (LSRI) research initiative has joined the institute's membership programme through its team of technical experts located at or close to the new facilities in Lund.

– While we have worked closely with LINXS before, we see the membership as an opportunity to strengthen our collaboration around engaging researchers from different parts of the country, says Tomas Lundqvist, Senior Area Coordinator at RISE LSRI, and former Science Director at MAX IV.

[Read an interview with Tomas Lundqvist at LINXS.se](#)

Funding opportunities in x-rays and neutrons for researchers

We wish to notify you about the following funding opportunities:

- [Call for Postdoctoral Research Fellowships within the Nordic Neutron Science Programme.29th September](#)
- [PSI-FELLOW-III-3i / Postdoctoral Fellows \(f/m/d\), The Paul Scherrer Institute](#)

Hold digital dissertations and meetings at LINXS during the corona outbreak

LINXS can provide a digital meeting space for dissertations, seminars or workshops during the current outbreak of corona. This service is free to use for any researchers, institutions or faculties. The facilities are also free for any larger theme or working group meetings.

The room at LINXS can hold up to 40 people and is equipped with videoconference equipment such as microphones, projectors, webcams and a camcorder. It is suited to occasions where some of the meeting participants are present on Zoom/video and others are in the room itself. Note that you have to bring your own technical support.

To book the room, or to find out more, please contact LINXS scientific activities manager, Åsa Grunning (asa.grunning@linxs.lu.se)

LINXS events and related events

Here is a list of all the current events and activities taking place at LINXS, in partnership with LINXS or related to LINXS. Due to the current corona outbreak, many activities have had to be postponed. We will inform you once we have new dates for our events and activities.

Events are open to all researchers from academia and industry.

[LINXS Related Event - Illuminating Cultural Heritage : From Research to Preservation, 6 September](#)

[LINXS Related Event - ESS ILL User Meeting, 23-25 September](#)

[LINXS Related Event - Online workshop "Machine Learning for Segmentation of 3D Structures", 30 September –1 October](#)

[LINS Related Event - ANSTO Powder Diffraction School 2020 Online webinar, 6-8 October](#)

[LINXS Event - Framtidens forntidsforskning: tekniska möjligheter öppnar upp för nya arkeologiska frågor, 15 October](#)

[LINXS Event - BioSAXS data analysis workshop, 18-20 November](#)

[LINXS Event - Time Resolved Structural Biology – Seeing the structure of motions, 23-25 November](#)

[LINXS Event - Amyloid Workshop: Heart and Mind, 4-5 March 2021](#)

[LINXS Event - Bridge the gap in amyloid Analysis, 22-23 March 2021](#)

[LINXS Partner Event - Northern Lights on Food 2 - 9-11 June 2021](#)



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RSS LINXS Events

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.

LINXS processes personal data in accordance with the EU's General Data Protection Regulation (GDPR) 2016/679, the Data Protection Act 2018:218 and other relevant legislation. [Read more at Lund University's web page about processing of personal data.](#)

If you want to include anything in the newsletter, please email: info@linxs.lu.se.

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www.linxs.se