



## Greetings from the Director Stephen Hall

As the rest of the world, LINXS is experiencing significant changes to its working practices in the current times. The key thing is to keep people safe and reduce risks, which is challenging in an institute based on interaction and collaboration. We have, inevitably, been forced to cancel or postpone all our activities planned for before the summer and our presence at the LINXS premises has been reduced to a minimum. The LINXS organisation continues through remote working and use of electronic meetings and we are continuing with our plans for the autumn (see planned events below in this newsletter) in the hope that we will be through the current situation. We are also establishing digital solutions to enable the continuation of our collaborative work and we hope to have on-line webinars or video seminars in the coming months to keep the scientific interaction going.



Of course, for many researchers, the opportunity to work in isolation can have its benefits (working through all those data that have been sitting on our shelves), but scientific (and social) interaction are still essential. We are happy to help facilitate interactions, e.g., by organising on-line meetings, seminars and workshops – please feel free to contact us with any such requests. This is also a great opportunity for us to develop new working practices that can continue beyond the current times. At LINXS we see this as an opportunity to establish electronic tools to widen and increase participation in events and also to reduce the impacts of travel. We can also imagine that a positive outcome will be that electronic meetings will become more the norm and so we can interact more regularly and efficiently between physical meetings. It will still of course be important to bring people together at LINXS, as it is often the direct work and social interactions that lead to (often unexpected) advances in science.

We hope that you are all safe and healthy and we look forward to helping the LINXS community to advance in science in the short term through remote meetings and in the long term by providing a hub for interaction and collaboration around research using x-rays and neutrons.

For Swedish members of the LINXS community I would like to draw your attention to the [SWEDNESS call for PhD projects involving use of neutron techniques that is open until May 15th](#).

## An outstanding feat for LINXS!

Professor Peter Schurtenberger, founding Director of LINXS, comments on the news that the large-scale international research project, *Dynamics of proteins in crowded environments on multiple length and time scales*, has been awarded funding from the Swedish funding agency Vetenskapsrådet in the frame of a so-called Röntgen-Ångström Cluster.

– For me, this is really a success story for LINXS. It demonstrates the potential that LINXS could have in bringing people together. We would not have been able to put it together if it were not for LINXS, and its networking opportunities, says Peter Schurtenberger.

["An outstanding feat for LINXS"](#)



## Meet our LINXS Guest Researchers

The LINXS visiting research programme brings international researchers to LINXS for short-term research visits. During their time at LINXS, they share their expertise and knowledge with the LINXS community and networks, and support the development of regional and international collaboration in the field.

Currently, three leading researchers are spending time at LINXS: Professor José Campos Terán, Dr Chris Garvey and Dr. Stefano A. Mezzasalma.

We took the chance to ask them about their work and reflections on visiting LINXS. Here you can read their responses.

[Stefano A. Mezzasalma: "I am convinced that a very important future prospect lies in a more profound link between the languages of physics and biology, which currently is still at the outset"](#)

[José Campos Terán : "In the COVID-19 virus pandemic situation, I believe that x-ray and neutron science will be extremely important in the understanding of the molecular structure used by the virus"](#)

[A chat with Dr. Chris Garvey: "My motivation is to provide solutions for a modern technological and sustainable society but in also in providing tools to investigate these issues"](#)



## How did the try-outs at Trieste and Munich go? Björn Nilsson reflects on two successful workshops

The try-out workshops are a new initiative organised by LINXS in collaboration with the Elettra Sinctrotrone in Trieste and the research reactor FRM II at the Heinz Maier-Leinitz Zentrum of Technische Universität München in Munich to highlight the possibilities of using x-rays and neutrons. The ambition is to attract new users from a range of different academic fields and establish networks for collaboration and knowledge sharing.



– The idea behind the first try-outs was to give an opportunity to researchers in geology, archaeology and cultural heritage studies to bring their own samples and test different methods, types of radiation, and instruments, before a full beam time proposal is written, explains archeologist and member of the GeoArch working group, Björn Nilsson.

[Björn Nilsson: "The idea behind the first try-outs was to give an opportunity to researchers to bring their own samples and test different methods, types of radiation and instruments"](#)

## 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](mailto:asa.grunning@linxs.lu.se))

## LINXS events and related events for 2020

Here is a list of all the current events and activities taking place at LINXS, or in partnership with LINXS, during 2020. Due to the current corona outbreak, many activities have had to be postponed to autumn. We will inform you once we have new dates for our events and activities.

Events are open to all researchers from academia and industry.

[COVID19 Hack the crisis hackathon - 3 - 6 April](#)

[Bombannes 2020 - 15th European Summer School on "Scattering Methods Applied to Soft Condensed Matter"](#)

[Jun 16 - Jun 24](#)

LINXS Event: Amyloid: an integrative approach working group: Bridging the Gap - **24-25 August**

[LINXS Event: Masterclass on Food - 31 August - 4th September](#)

[ESS – ILL User meeting \(with LINXS session and stand\) \(taking place at AF-Academic Society in Lund\) - 23 - 25 September](#)

MAX IV User meeting (with LINXS session and stand) (taking place at Scandic Hotel Gastelyckan) - **28 - 30 September**

[LINXS Partner Event: Northern Lights on Food 2 - 7-9 October](#)

LINXS Event - CoWork: workshop on Inversion of Coherent X-ray data, 14-16 oct

LINXS Event: Amyloid: an integrative approach working group workshop: Clinical heart and brain - **19-20 November**

First half of December, Concluding seminar for the Imaging Theme

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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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