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Words from the Director Trevor Forsyth

As we head into the Easter period LINXS is preparing for a very active period of scientific discussion, conferences, workshops and young researchers' events. LINXS is also preparing for its [Science Day on the 22nd April](#). The day will be of general scientific relevance but will include a focus on reporting from the New Materials Theme which completed at the end of 2023. We encourage everyone to come to the Science Day to learn of the Theme's achievements and also to participate in discussions relating to the wider LINXS activity.



For this newsletter, we have gathered a range of interviews, articles and news to highlight forthcoming events and to publicise the activities of the current Themes. As of the start of 2024, we have major changes in the composition of the [LINXS Board](#). The Board is now chaired by Professor Stacey Ristinmaa Sörensen, and also includes new faculty representation in the form of Jonas Larsson (Medical Faculty), Anna Fureby (Engineering Faculty), and Felix Roosen-Runge (Science Faculty). The new Board has recently had its first meeting – followed by an informal event that provided

an opportunity to thank previous Board members, led by Anders Tunlid, for the large amount of effort they have put into the development of LINXS over the past few years.

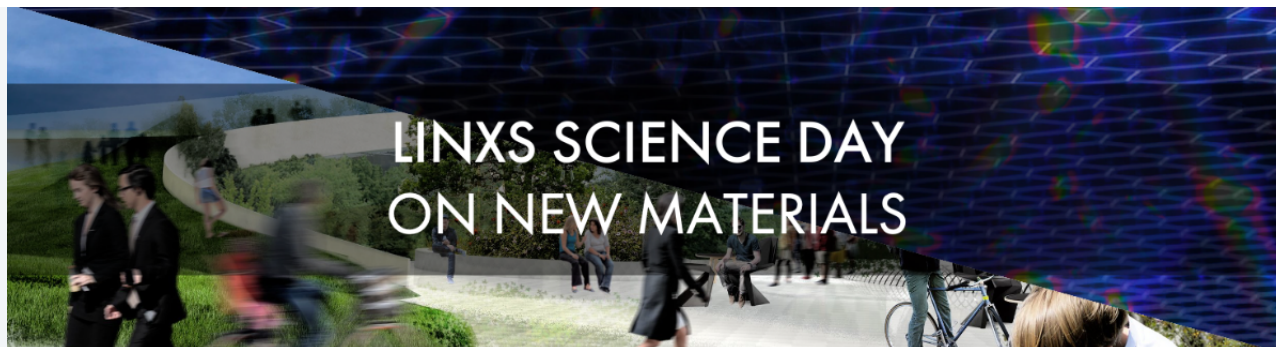
You will also find an [interview containing reflections from our current guest researcher, Jack Lin, from the University of Oulu in Finland.](#)

Applications to the latest LINXS Theme call are currently being processed with the help of the Science Advisory Board (SAB), chaired by Christiane Alba-Simionesco (CNRS, France). This was a very healthy round, including national and international applicants, and covering a wide range of high quality science. The final outcome of the review process will be known by 31st May.

In other news, the first AMBER recruitment round will soon close and we hope to recruit up to 13 postdoctoral researchers with a range of projects on advanced multiscale biological imaging. This is the first of four application rounds (total 47 postdoctoral positions) and we encourage you spread [the details of this exciting scheme](#) widely.

Last, but by no means least, we are now at the very final stages of preparation for the LINXS move to the Science Village, placing us directly between the MAX IV and ESS large research facilities and in close proximity to numerous academic and industrial innovation hubs that are also locating on the same site. We are very much looking forward to the partnership opportunities with these centres and with the others that will be moving onto the site in the coming years.

We look forward to seeing you at LINXS in the near future. Most of the information you might need for events can be found on our [website](#), but please do not hesitate to contact us if you have any questions.



Join LINXS Science Day with focus on New Materials!

Welcome to LINXS Science Day, which this time will focus on the results and impact of the New Materials Theme, as well as give insight on future developments of LINXS, MAX IV and ESS.

The afternoon will end with an interesting **panel discussion** chaired **by the directors of ESS and MAX IV** on future developments of the facilities and their strengths (and possible gaps) in the fields of energy and sustainability.

We hope to see you at LINXS!

22
April

REGISTER



Time to register to the YRI on Life Sciences!

On 23 - 24th of April it is time for the second symposium of the Young Researchers' Symposium on Life Sciences.

The event aims to dive into life science research with a connection to X-rays and neutrons, and represents a great opportunity to listen to

speakers from diverse sectors. There will also be ample opportunity to talk with speakers about career opportunities for PhD:s and postdocs.

[Read an interview with the organisers of the event](#)

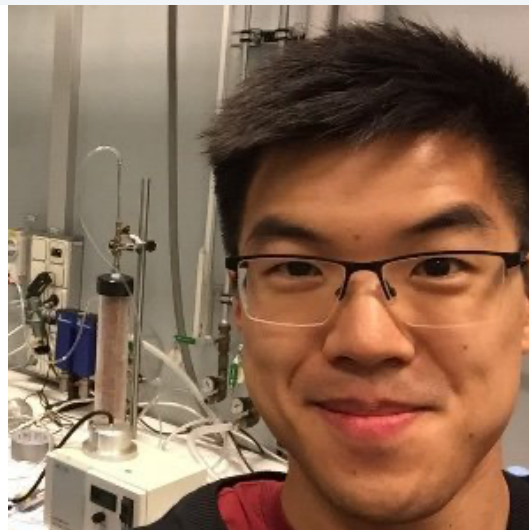


New LINXS board members

Since the start of the year, LINXS has new members on its Board.

– LINXS has developed enormously during the last few years, first as a meeting place for discussing new research ideas, but more importantly as a forward looking institute that creates strong networks that will pave the way to new research using MAX IV or ESS, says new Board Chair, Professor Stacey Ristinmaa Sörensen.

[Read about LINXS new board](#)



Jack Lin, Guest Researcher in the ECL theme

Jack Lin is a postdoctoral researcher at the Center for Atmospheric Research, University of Oulu, in Finland. He contributes to the work of the Environment and Climate theme.

– I really like the idea behind LINXS of bringing together researchers who use X-rays and neutrons in their science. It's been really nice to be at LINXS and regularly interact with researchers both within my

[members and chair](#)

theme and in other themes.

[Read an interview with Jack Lin](#)



Register to the NLF conference to join the “food family” and learn about research on food structure

The fifth Northern Lights on Food conference represents a great opportunity to join a community of food researchers, gain insights on food structure, form new networks, and submit research to a high impact food science journal.

– This event is really for everyone interested in food and food structures. By getting people with slightly different research directions together, like fundamental scientists, applied scientists and material researchers, we will cover a range of topics from different perspectives, says Tommy Nylander, Northern Lights on Food theme leader, and Professor in Physical Chemistry at Lund University.

For the first time, proceedings from the conference will be published in one of the most prestigious food science journals, Food Hydrocolloids. All conference participants are invited to submit their recent findings to the high impact journal.

[Read an article about the conference](#)



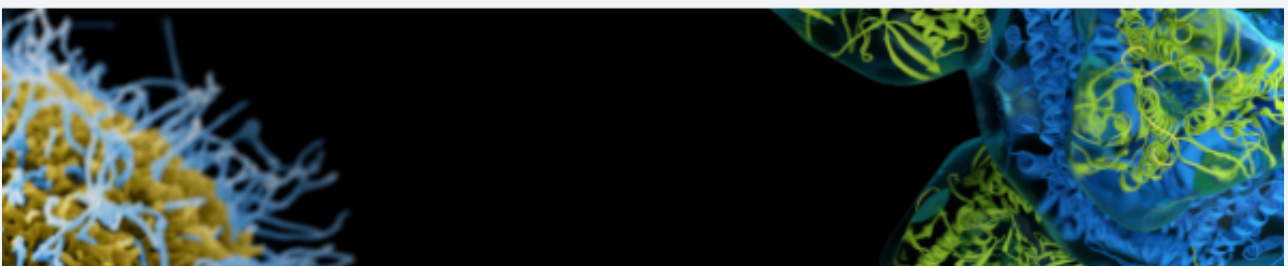
The Heritage Science theme leads successful workshop on how to secure beamtime

The workshop, which took place in mid-February was very well-attended - with over 50 participants from across Europe and many within Sweden.

– The intense and wide-ranging interest shows that while many people are interested in synchrotron and neutron applications for their research, there are still considerable barriers for entry due to unfamiliarity with the application process within cultural heritage fields, says Mikael Fauvelle, theme leader, and researcher at the Archaeology Department, Lund University.

– It is precisely this lack of familiarity with the application process that we were trying to address through this workshop.

[Read an article about the workshop](#)



Workshop on 3D histology offered support for researchers interested in synchrotron radiation imaging of soft tissue

In December 2023, the Biomedical Imaging working group organised a

workshop on 3D histology with synchrotron micro-tomography. The aim was to offer an appetiser for people who are doing imaging of soft tissue but do not have any experience of synchrotron radiation. More than 40 people attended the event, which was completely full, from the Lund University Medical Faculty, MAX IV, and other places in Sweden and abroad.

– It is all about breaking down initial barriers, says Martin Bech, who was one of the event organisers. He is leader of the Biomedical Imaging working group, and a senior lecturer at the division of Medical Radiation Physics, Clinical Sciences, Lund University.

– With this event, we tried to make it easier by highlighting how one can go about preparing for beamtime. By inviting experts and scheduling time for discussions, we tried to stimulate participants with no or little experience with synchrotron radiation to build networks with staff from different beamlines.

[Read an article about the workshop](#)

Happening at LINXS in spring 2024!

See all our thematic events, LINXS activities, and related activities!

8-

12

April

LINXS related

- Fluctuations in Soft Matter: Theory Meets Experiment at Large-Scale Research Infrastructures – LINXS related

[Register](#)

10

April

LINXS outreach

- ATLAS Career Fair 2024

[Register](#)

10

April

Antibodies in Solution, IPDD theme

- a LINXS - NIST webinar series with Robin Curtis

[Register](#)

14-

19

April

LINXS outreach

- 19th Food Colloids Conference: Using colloids science to find new sustainable solutions in food

[Register](#)

22

April

LINXS Science Day on New Materials

- New Materials Theme Closing Conference

[Register](#)

23

April

Northern Lights on Food theme

- Multiscale Structure of Food Materials II

[Register](#)

23-

24

April

LINXS Young Researchers' Symposium II

- Life Sciences

[Register](#)

**25-
26**
April

Environment and Climate theme

- Workshop: The role of certain metals in organic matter mobilization and decomposition

[Register](#)

7-8
May

IPDD theme

- Workshop: Neutron scattering in drug discovery, design, and formulation

[Register](#)

**13-
17**
May

LINXS partner event

- Helios Graduate School

[Save the date](#)

20
May

LINXS-ESS Guest Seminar, Northern Lights on Food theme

- Small and Ultra Small Angle Scattering at ACNS, ANSTO: Case Studies in Structural Characterisation of Complex Materials with Jitendra Mata

[Register](#)

**27-
29**
May

Northern Lights on Food theme

- Northern Lights on Food Conference V - Boosting structural food science

[Register](#)

29-
31
May

LINXS partner event
- Swedish Neutron Week 2024

[Register](#)

30
May

LINXS workshop
- Workshop: 3D biomedical imaging with synchrotron radiation: State-of-the-art and future possibilities

[Register](#)

30-
31
May

Chemistry of Life theme theme
- Chemistry of Life: Young Researchers' Symposium

[Register](#)

4-
11
June

LINXS related
- Bombannes 2024 summer school "Scattering Methods Applied to Soft Condensed Matter" - LINXS related

[Register](#)

10-
14
June

LINXS related
- Neutrons & Food 7 Conference

[More information](#)

16-

LINXS partner event
- Coherence 2024: 11th International

20

June

Conference on Phase Retrieval and
Coherent Scattering

[Register](#)

16-

20

June

LINXS partner event
- CoWorkshop

[Register](#)

16-

21

June

LINXS related
- Training on Neutron Techniques Summer
School

[Register](#)

23-

27

June

LINXS related
- 5th Summer School on Neutron
Detectors and Related Applications

[More information](#)

MORE EVENTS



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