



European Plant Science Organisation
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News item

41st EPSO Plant Science Seminar

Brussels, 3.3.2025

We would like to announce the forty-first of our European-wide seminar series by the European Plant Science Organisation (EPSO) and aimed at the Plant Science community and its stakeholders. We continue to provide a stimulating set of seminars once a month on a hot and/or emerging topic in plant science, giving the floor to both eminent world leaders and talented up-and-coming early career researchers.

TTT: The seminar will be held online each third Thursday of the month at three (CET).

On **20th March 2025** at 15:00 (CET) we will present three talks exploring **A barley pan-transcriptome reveals layers of genotype-dependent transcriptional complexity**



Miriam Schreiber, The James Hutton Institute, UK

“An introduction to the barley pan-transcriptome and transcriptional variation”

Miriam is a cereal bioinformatics specialist at the James Hutton Institute and the International Barley Hub in Dundee, Scotland, UK. Her work focuses on barley. She did her undergrad in Aachen, Germany before joining the University of Dundee for her PhD. Miriam has since worked in Dundee on different projects. For example, the ERC Meiosis shuffle project which identified EMS induced variants in meiotic genes in the cultivar Golden Promise, or the BARN project which focused on big transcriptome and genotype datasets of a barley European spring two-row collection. Recently she has embraced the pan world (pan-genome, pan-transcriptome) with her focus on mining those big datasets for interesting stories.



Vanda Marosi, Technical University of Munich, Germany

“Using the barley pan-transcriptome for complex gene network analysis”

Vanda is a final-year doctoral candidate at Helmholtz Munich, Germany, in the group of Prof. Klaus F.X. Mayer. She completed her master's degree in molecular biology at Ludwig-Maximilians University of Munich and pursued her PhD in computational biology. Her research focuses on comparative transcriptomics, investigating ortholog diversification and diversity of gene expression patterns in cereals, particularly barley and wheat. She has developed a comprehensive pipeline to compare gene co-expression networks across different species and cultivars. Recently, Vanda joined Prof. Nadia Kamal's group at the Technical University of Munich as a postdoctoral researcher within the ERC project "RESIST", where she will expand her analysis to oats.



Morten Jørgensen, Carlsberg Research Laboratory, Denmark

“A use case study of the barley pan-transcriptome using the FIND-IT population”

Morten is a group leader at the Carlsberg Research Laboratory in Copenhagen, Denmark. He and colleagues use a combination of molecular biology, bioinformatics, pan-genomics/transcriptomics and field trial evaluation of crops with targeted mutations to develop cereals (mainly barley) with new and improved agronomic traits (especially for climate tolerance). Before joining Carlsberg, he was an independent postdoc at the University of Würzburg working on nitrate/chloride channels. As a PhD student at the University of Copenhagen he investigated specialized metabolite transporters.

The seminars will be hosted on Zoom and last approximately 1.5 hours. Numbers will be limited to 300 attendees and therefore please register early if you would like to join. There will be ample opportunities to ask questions and join the debate. So please join us to support this initiative for European Plant Science by following this link just prior to the start of the seminar.

EPSO Members register in advance for this meeting:

https://us06web.zoom.us/meeting/register/rm9u_OaWSByq4rtlukhvGg

After registering, you will receive a confirmation email containing information about joining the meeting.

In the coming months we will be on the lookout for talented plant scientists among the EPSO membership to present their findings and perspectives to the EPSO seminar series. If we approach you to talk, we hope you will be happy to support the initiative. This is a fantastic opportunity for **senior as well as early career researchers** to present their research to an international audience and to network with potential collaborators. If you wish to **suggest a theme for one of the autumn seminars and / or nominate** yourself or one of your colleagues to give a seminar, we most welcome your suggestions. Please contact Tim George (tim.george@hutton.ac.uk) to provide your name and potential talk title.

We look forward to seeing you all for the next EPSO seminar on the 20th March 2025.

Tim George, Alan Schulman and Marie-Theres Hauser
EPSO Plant Science Seminar Series Organising Committee

Contacts

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EPSO member institutes and universities: <https://epsoweb.org/about-epsso/epsso-members/>

EPSO representatives: <https://epsoweb.org/about-epsso/representatives/>

About EPSO

EPSO, the European Plant Science Organisation, is an independent academic organisation that represents around 200 research institutes, departments and universities from 31 countries, mainly from Europe, and 2.700 individuals Personal Members, representing over 26 000 people working in plant science. EPSO's mission is to improve the impact and visibility of plant science in Europe, to provide authoritative source of independent information on plant science including science advice to policy, and to promote training of plant scientists to meet the 21st century challenges in breeding, agriculture, horticulture, forestry, plant ecology and sectors related to plant science. <https://epsoweb.org> | EU Transparency Register Number 38511867304-09.