



News item

European Plant Science Organisation

<https://epsoweb.org>

15th EPSO Plant Science Seminar

Brussels, 16.8.2022

We would like to announce the fifteenth of our European-wide seminar series by the European Plant Science Organisation (EPSO) and aimed at the Plant Science community and its stakeholders. In our second year, 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 **15th September 2022** at 15:00 (CET) we will present three talks exploring **Data Science for Understanding Plants**.



Dr. Franziska Turck Max Planck Institute for Plant Breeding Research, Germany

“Chromatin 2.0 - a pitch for cracking the cis-regulatory code with the help of Deep Neural Networks”

Franziska Turck is a research group leader at the Max Planck Institute for Plant Breeding Research in Cologne. She graduated with an engineering degree from the Ecole Supérieure de Biotechnologie de Strasbourg, but then turned her interests toward solving problems in basic science. After obtaining a PhD at the University of Basel (1998) working on translational control through the TOR/S6 kinase pathway in plants, her interest fixed on mechanisms of transcriptional regulation. The Turck group focuses on the interplay between transcription factors and chromatin organization in regulating plant development. Major contributions include the mapping and functional characterization of distal enhancers. Furthermore, the group has made several breakthrough discoveries on epigenetic gene regulation in plants, such as the role of LHP1 in gene repression and the recruitment of Polycomb Group complexes by telomere-related DNA-binding proteins.



Dr Alisandra Denton, Heinrich Heine University, Germany

“Annotating Eukaryotic genomes with Deep Learning”

Alisandra is a junior group leader at the Heinrich Heine University, Düsseldorf, where her research focuses on leveraging the power of Deep Learning to decode the information in biological sequences, such as our DNA. Her flagship project, Helixer, is a Deep Learning based gene caller that achieves state-of-the-art quality and consistency in a fraction of the time of existing gene calling tools.



Dr Thomas Hartwig, Max Planck Institute for Plant Breeding Research, Germany

“Deciphering the functional plant genome by high-throughput cistrome analysis”

Thomas is a group leader at the MPIPZ, with expertise in crop genetics, genomics, and large-scale data analysis. His research integrates state-of-the-art sequence technologies with novel genomic approaches, to identify genome editing targets for crop improvement.

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/tZYofumtpzMpGNy5RWeg0i0qKXIHNmi5qIEx>

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 15th September 2022

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

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Useful links

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

EPSO representatives: <https://epsoweb.org/about-epso/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