



European Plant Science Organisation
<https://epsoweb.org>

News item

16th EPSO Plant Science Seminar

Brussels, 4.10.2022

We would like to announce the sixteenth 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 **20th October 2022** at 15:00 (CET) we will present three talks exploring **On and off-target effects during Genome Editing using different nucleases.**



Prof. Jens Boch, Leibniz University of Hannover, Germany

“Using GE to understand bacterial plant pathogens and their weapons”

Jens Boch is a research group leader at the Leibniz University of Hannover in Germany. His group uses genome editing to develop crops such as rice, potato, peanut or mustard with improved properties. To this end, he is developing new TALEN and CRISPR tools and investigating the strategy of plant pests.



Dr. Fabien Nogué, INRAE, Versailles, France

“Specificity of plant genome editing by both CRISPR-Cas9 and TALEN”

Fabien is group leader in the Institut Jean-Pierre Bourgin since 1998 and is part of the “Meiosis and Recombination” group of INRA of Versailles which is recognised as one of the leading groups in plant meiosis and recombination in the world. His group is involved in the deciphering of DNA repair and homologous recombination at the somatic level and during meiosis. They have characterized the role of the mismatch repair pathway in gene targeting specificity, and have generated a range of mutant strains in key DNA repair genes. He also has a particular interest in New Breeding Technology, especially Site Directed Nucleases (ZFN, TALEN, CRISPR) for plant genome editing.



Dr. Johannes Stuttmann, Julius Kuehn Institute, Quedlinburg, Germany

“Hidden treasures: Detection of Cas9-induced on- and off-target effects by genome sequencing”

Johannes obtained a MSc/diploma degree in biology at the University of Halle (Germany) in 2004. As a PhD student, he worked on hormone signalling and protein

homeostasis at the CEA Cadarache (France). In 2008, he started working on plant-microbe interactions at the Max Planck Institute for Plant Breeding Research (Cologne, Germany). He continued to work on plant resistance mechanisms as junior group leader and lecturer at the University of Halle (2012-2021), and also started developing tools for plant genome engineering and synthetic biology. He currently works at the Federal Research Center for Cultivated Plants (Julius Kuehn Institute, Quedlinburg, Germany).

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/tZUvc-CsrDwtGNekQfYxQm3R7Yy9nzAe-Uww>

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 October 2022

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

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Useful links

EPSO breaking news: <https://epsoweb.org>

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 individual 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.