



**News item**

European Plant Science Organisation

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## 16<sup>th</sup> EPSO Plant Science Seminar

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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

