

COST Action CA18111 "Genome Editing in Plants"

Online lecture series

Date: April 26, 2023 – 4 PM CEST

(Upcoming lectures: May 31, June 28, 2023; 4 PM CEST)

Speaker 1



Dr. Ortrun Mittelsten Scheid – Gregor Mendel Institute of Molecular Plant Biology (GMI), Vienna, Austrian Academy of Sciences

Title: The shoot apical meristem: an arena for genetic parasites

Speaker 2



Dr. Christian Lorenzo – VIB, Ugent Center for Plant Systems Biology, Belgium

Title: BREEDIT: a multiplex gene editing pipeline to generate high order mutant populations in *Zea mays*

About Dr. Ortrun Mittelsten Scheid

After postdoc positions in Ladenburg (Max Planck Institute for Cell Biology; Germany), Zürich (Institute for Plant Sciences, Federal Institute of Technology; Switzerland), and Basel (Friederich Miescher Institute for Biomedical Research; Switzerland), Dr. Ortrun Mittelsten Scheid has been a group leader at the Gregor Mendel Institute in Vienna, Austria, since 2004. She and her co-workers explored the interplay between genetics and epigenetics, mainly with *Arabidopsis* as experimental model. She studied chromatin components of DNA repair and epigenetic information under abiotic stress, during differentiation, and in polyploids.

About Dr. Christian Lorenzo

Dr. Lorenzo is an Argentinean biologist graduated from the University of Buenos Aires, and particularly oriented to the field of plant biotechnology and physiology. He did his PhD in the lab of Pablo Cerdan (Fundacion Instituto Leloir) studying the flowering and shade avoidance pathways in both *Arabidopsis* and Alfalfa (*Medicago sativa*), with aims to improve forage quality of the latter. Afterwards, he did a postdoc in collaboration with Dr. Marcelo Yanovsky studying the improvement of Soybean by suppressing the shade avoidance response. Finally, Dr. Lorenzo moved to Belgium in 2019 to Dirk Inze's and Hilde Nelissen's lab to work in the BREEDIT project. This is an Advanced ERC-funded project aimed to develop multiplex gene edited maize lines targeting genes involved in complex traits such as yield and drought tolerance. He has been working 3 years in BREEDIT, now as senior postdoc and coordinator.

How to join the lecture session?

You can register for this online lecture session by submitting your name and email here: <https://forms.gle/9LjrCeQ7zaUEFeH18>

A link to join the session will be sent to you later in April.

Program of upcoming online lecture series

May 31, 2023 – 4 PM CEST

Dr. Mark Smedley, John Innes Centre, Norwich, UK

Dr. Oliver March, Tropic Bioscience, Norwich, UK – From technology to product: considerations of implementing cutting edge genome editing technologies for product development in crops

June 28, 2023 – 4 PM CEST

Dr. Petra Jorash, Euroseeds, Belgium

Prof. Alain Tissier, IPB, Leibniz Institute of Plant Biochemistry, Halle, Germany