



## “Challenges in Plant Sciences” PSC Colloquium, fall semester 2025

### Student group talks

Date: Monday, 17 November 2025

Room: ETH Zurich, Room ML H37.1, Sonneggstrasse 3

Contact: Jelena Rajkov [jelena.rajkov@unibas.ch](mailto:jelena.rajkov@unibas.ch)

Website: <https://www.plantsciences.uzh.ch/en/teaching/phdplantscience/curriculum/colloquium.html>

A group presentation with e.g., 3 speakers lasts 35 minutes. This corresponds to 10 minutes per speaker plus 5 minutes for general discussion time.

### Monday, 17 November 2025

- 10:00 *Welcome*
- 10:05 **Cell wall development** (Feedback: group Alexander)  
Christoph Ringli group: Carlo di Bello, Katharina Fink
- 10:30 **Roles and mechanisms of plant linker histones in response to stress: beneficial or detrimental?**  
(Feedback by group Mintchev)  
Célia Baroux group: Oleksii Yadlos, Alexander Pettersson
- 10:55 *Break*
- 11:10 **How CRISPR-based systems are reshaping plant resistance breeding** (Feedback: group Ringli)  
Giovanni Broggin group: Philippa von Nathusius, Caroline Levasseur, Fatemeh Adelisardou
- 11:45 *Lunch break (Foyer Turbinenhalle)*
- 12:45 **How does tree height influence tree vulnerability to drought?** (Feedback: group Baroux)  
Günter Hoch group: Sophie Emberger, Shamsul Islam Shipar, Jeremy Cook
- 13:20 **How data bias shapes conservation and restoration priorities** (Feedback: group Broggin)  
Melissa Chapman group: Leonardo Cruz de Souza, Eman Alturki, Katja Springer, Shiila Infriccioti
- 13:55 *Break*
- 14:10 **Assisted migration of species threatened by climate change** (Feedback: group Hoch)  
Jake Alexander group: Hung-Fei Lai, David Torres, Simone Gerber
- 14:45 **Integrating robotics and genetic technologies for pest detection in agriculture** (Feedback: group Chapman)  
Stefano Mintchev group: Prasanth Bendalam, Daisy Furrokh, Isabel Williams
- 15:20 *Concluding remarks*

