



Seminar/Talk

Epigenetic regulation and stress memory

Xiaofeng Cao

Host: Xiaoqi Feng

Environmental stresses can induce persistent epigenetic changes that influence future developmental and adaptive responses. Understanding how chromatin states encode environmental information has emerged as one of central questions in plant biology. In this seminar, Dr. Cao will present recent work from her laboratory on epigenetic regulation and stress memory in plants, focusing on the roles of histone modifications and DNA methylation in developmental plasticity and environmental adaptation. She will also discuss recent findings showing that stress-induced epigenetic variation can mediate heritable adaptive cold tolerance in rice, providing insights into the molecular basis of transgenerational stress memory.

Monday, June 8, 2026 11:00am - 12:00pm

Sunstone Bldg / Ground floor /Big Seminar Room A&B



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station. Please find a schedule of the ISTA Shuttle on our webpage: <https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.