

GATERSLEBEN LECTURE



Speaker: Prof. Dr. Beat Keller

Department of Plant and Microbial Biology, Molecular Plant Biology / Phytopathology, University of Zurich, Switzerland

Title: From molecular to evolutionary analysis: genomics-based dissection of the wheat - powdery mildew interaction

Time: Tuesday, July 12, 2022, 2 pm

Hybrid meeting: IPK, Lecture Hall **and** VCS Zoom

Join the meeting:

<https://ipk-gatersleben-de.zoom.us/j/85266667268?pwd=THVSU253NmpHeURaNktRZWZQS2tCZz09>

Meeting-ID: 852 6666 7268

Kenncode: 996468

Abstract:

The resistance of wheat against biotrophic fungal pathogens depends on a variety of molecular mechanisms. Similarly, the pathogen effectors recognized by host receptors reveal a large diversity. I will describe our molecular analysis of resistance mechanisms and their evolution and diversity in the gene pool of wheat and its pathogens.

Short CV:

Dr. Keller received his PhD in Microbiology from the University of Basel and was later an EMBO long-term postdoctoral fellow at the Salk Institute in San Diego, USA. Back in Switzerland, he established a research group in wheat biotechnology and molecular breeding at the Swiss Agricultural Research Station in Zürich. He became professor for plant molecular biology at the University of Zurich in 1997. Dr. Keller has led several large research consortia in Switzerland and was an ERC Advanced Investigator grant holder.

He is a member of the German Academy of Sciences Leopoldina, the Indian National Academy of Agricultural Sciences and a member of the Research Council of the Swiss National Science Foundation.

