



Dr. Holger Puchta

Applying CRISPR/Cas to Plants: From Gene Editing to Chromosome and Tissue Engineering

The CRISPR/Cas technology has been applied in plants mainly on genes for the improvement of traits. However, breeding also requires the breaking or establishing genetic linkages. Recently we were able to change genetic linkages by inducing heritable chromosomal translocations and inversions in the Mb range in *Arabidopsis thaliana*.

Fall 2022 PSLA

**LECTURE
SERIES**

September 22, 2022

**PLSC Building: RM
1130**

Time:

3:30PM

[UMD Zoom](#)

**Graduate student
lunch w/ speakers**

12PM

PLSC RM 2107/2109

Holger Puchta is Director of the Botanical Institute and holds the Chair of Plant Molecular Biology at the Karlsruhe Institute of Technology (KIT) in Germany. He was worldwide the first scientist to demonstrate that molecular scissors can be applied to induce different kinds of controlled change in plant genomes.



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