



Workshop

Molecular Breeding

**with Annual General Meeting
of the Society for Plant Biotechnology**

05.-06.September 2019

Geisenheim University of Applied Sciences

- Second Circular -

Preliminary Program

Thursday, 05. September

- From 12:00 Registration
- 13:00 R. Boehm : Welcome Reception
- Session 1: CRISPR/Cas-Applications (Chair: Max Schröder)**
- 13:15 - 13:45 **I. Koepfel** (IPK Gatersleben)
A modular vector system for RNA-guided CAS endonucleases
- 13:15 - 14:15 **P. Krishna** (IPK Gatersleben)
Establishment of Anthracnose disease resistance of Maize by Cas9 endonuclease-mediated mutagenesis and host-induced gene silencing
- 14:15 - 14:45 **Ch. Hertig** (IPK Gatersleben)
Targeted mutagenesis of BRANCHED HEAD homeoalleles causes alterations of wheat spike architecture
- 14:45 - 15:15 **N. Budhagatapalli** (IPK Gatersleben)
Cas9 endonuclease-mediated targeted mutagenesis in wheat without genomic integration of recombinant DNA
- 15:15-16:00 Coffee break with Poster-Session
- 16:00 - 16:30 **G. Hensel** (IPK Gatersleben)
Using site-directed mutagenesis to manipulate beer quality and other cereal traits
- 16:30 - 17:00 **R. Hoffie** (IPK Gatersleben)
PDIL5-1-Knockout induced by Cas9-endonuclease confers resistance to barley tobamoviruses
- 17:00 - 17:30 **J. Weyen** (ScreenSys)
HaploReg - Ein Projekt zur Genomeditierung in Mikrosporen

- 17:30 - 18:00 **M. Fladung** (Thünen-Institut)
Genome-editing in forest trees
- 18:00 - 18:30 **J. Boch** (Leibniz-Universität Hannover)
Multiplex genome editing of target genes in rice
- 19:30 Joint Dinner (optional)

Freitag, 06. September

Session 2: Plant transformation (Chair: R. Boehm)

- 8:30 - 9:00 **B. Walliser** (Techn. Universität Wien)
Anthochlor pigments - Engineering of yellow flower coloration
- 9:00 - 9:30 **D. Pacheco Villalobos** (KWS Saat)
GRF5, a novel regeneration booster gene that improves transformation of monocot and dicot species
- 9:30 - 10:00 **G. Buchholz** (AlPlanta Neustadt)
Inducible Promoters in a Cre/loxP-Vector-System for Generating Marker-Gene free Transformed Grapevine
- 10:00 - 10:45 Coffee Break

Session 3: Epigenetics, Marker (Chair: G. Krczal)

- 10:45 - 11:30 **M. Wassenegger** (AlPlanta, Neustadt)
Plant epigenetics and plant breeding
- 11:30 - 12:00 **S. Liu** (Universität Giessen)
Studying the sRNA trafficking in transgenic barley using Rab7 GTPase marker
- 12:00 - 12:30 **M. Höfer** (AlPlanta, Neustadt)
Transkriptomanalyse zur Identifizierung neuer molekularer Marker für Vicin/Convicin-arme Ackerbohnen

12:30 R. Boehm : Closing Remarks

-----12:40 - End of Workshop -----

13:00 - 13:45 **Annual General Meeting of the Society of Plant Biotechnology**

in parallel:

12:45 - 13:30 *Guided Tour of the University Campus (optional)*



Additional information:

Workshop Venue

Geisenheim University of Applied Sciences, von Lade-Straße 1, Hörsaal 32 (See Site Plan)

Registrierung

The registration is located at the entrance of the workshop area. Upon registration, you get your batch and additional information. The workshop fee has to be paid in cash during registration. Please also announce whether you want to participate in the joint dinner.

Oral presentation

20 min presentation time is usually provided for each oral presentation. To underline the character of a workshop, 10 min of time will be available after each presentation for ample discussion. The oral presentation may be given in German or English.

Präsentations

All presenting participants are requested to bring a pdf-version of their presentations during the workshop or to send by Email after the workshop. The presentations will be deposited in the password-restricted member area of the website of the Society of Plant Biotechnology. Participants will gain temporary access to the presentations after the workshop.

Posters

Posters are displayed during the whole workshop time. During the poster session, presenting authors are requested to be available at the posters for questions and networking.

Poster size should not exceed DIN A0 (82 x 118 cm).

Workshop fee

Society (GfPb) member	10 €
Student member	free
Non-members	30 €
Student non-members	20 €

The fee should be paid in cash during registration.

Workshop Dinner

To let the workshop end up in casual atmosphere, a joint dinner is planned at the "Gutsausschank Schumann-Nägler" in Geisenheim. Costs are not covered by the workshop fee.

For organisational reasons, we will ask for mandatory participation in a separate Email before the Workshop.

Hotel reservation

Participants are self-responsible for hotel reservation. Due to limited accommodation capacities in the Rheingau area, an early reservation is recommended.

<https://www.rheingau.de/uebernachten>

How to get to the venue

By plane

From Frankfurt International Airport (FRA), please take S-train to Wiesbaden and thereafter with a local train directly to Geisenheim.

From Frankfurt Hahn Airport (HHN), participants can use Taxi shuttle services to come directly to Geisenheim. Alternatively, please take a regular bus to Koblenz Hbf and thereafter with a local train directly to Geisenheim.

By train

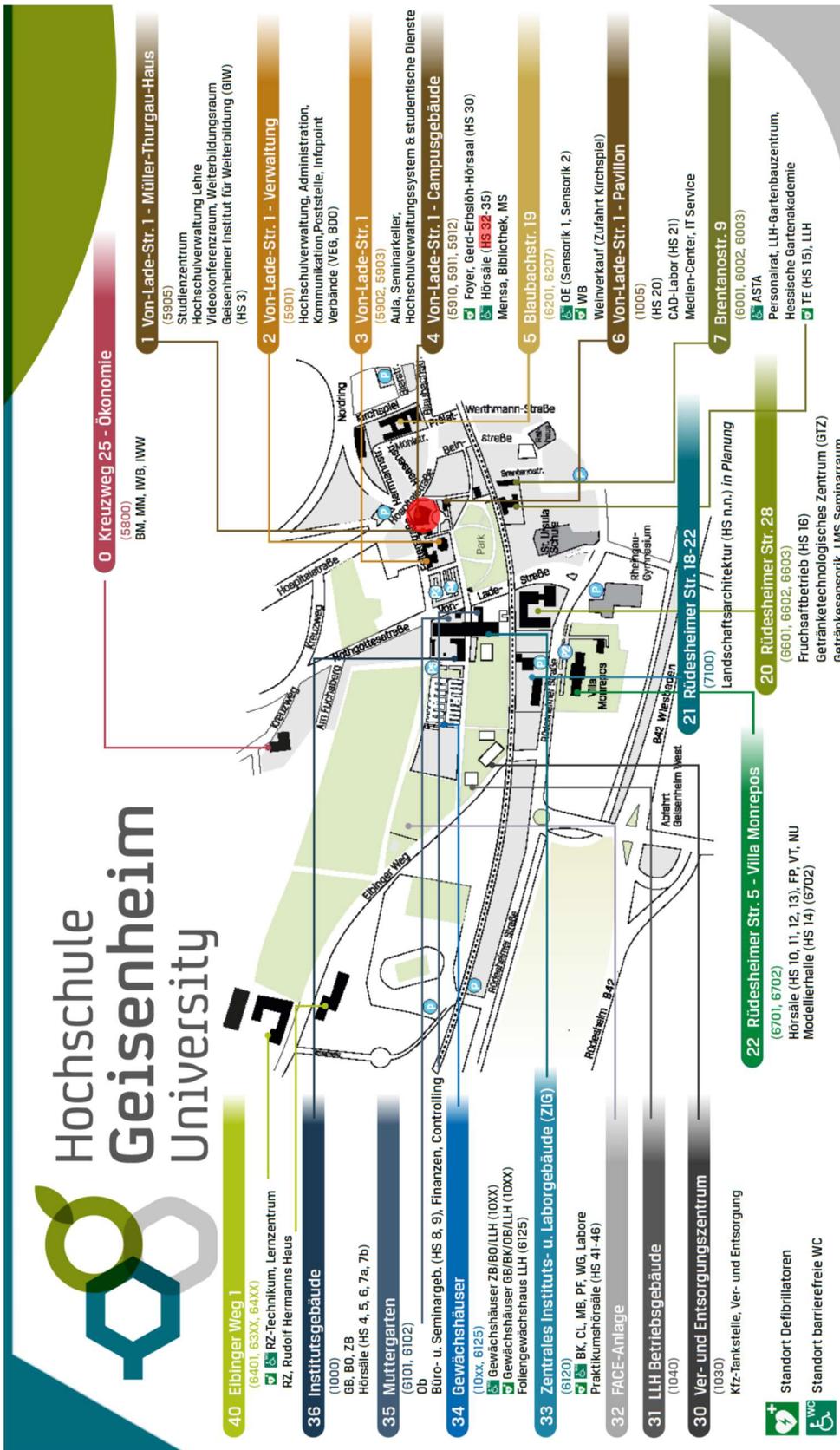
Coming from Frankfurt, participants can take a local train from main station directly to Geisenheim. Coming from Mainz, you take a local train first to Wiesbaden and a connecting train to Geisenheim. Coming from Koblenz, participants can take a local train from main station directly to Geisenheim. The workshop venue is in 15 min walking distance from Geisenheim station.

By car

Coming from highway A3 / A5, participants take highway A66 direction Wiesbaden/Rüdesheim. After Wiesbaden, the A66 passes into the B42. The University of Applied Sciences is marked accordingly.

Coming from highway A61, participants should use the ferry Bingen-Rüdesheim. From Rüdesheim, you follow the sign indication Geisenheim and the University of Applied Sciences.

Site plan:



See also : <https://www.hs-geisenheim.de/fileadmin/assets/Footer/HGU-Campusplan.pdf>

Workshop secretary :

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We wish all participants a safe trip to the workshop. We are looking forward to welcome you in Geisenheim at 05.09.2019.