

Curriculum vitae

Dr. Martin Becker

EDUCATION

- 2012- 2018 **PhD in Molecular Biology.** University of Hanover, Hanover, Germany.
- 2010- 2012 **M.sc. in Plant Molecular Genetics.** University of Hanover, Hanover, Germany.
- 2007- 2010 **B.sc. in Plant Biotechnology.** University of Hanover, Hanover, Germany.

RESEARCH AND WORK EXPERIENCE

- 2018- present **Post-doctoral scientist,** Leibniz Institute for Plant Genetics and Crop Plant Research (IPK), Department of Physiology and Cell Biology, Research Group: Plant Reproductive Biology, Gatersleben, Germany
- 2012-2018 **Research Assistant,** Institute of Plant Nutrition, University of Hanover, Hanover, Germany.

PUBLICATIONS

- 2020 **Becker M, Hensel, G.** 2019. Genome editing in barley. in Genome editing for precision crop breeding (ed. Willmann, M); Chapter 18 (Burleigh dodds).
- 2019 **Becker M, Ngo NS, Schenk MAK.** 2019. Silicon reduces the iron uptake in rice and induces iron homeostasis related genes. Nature Scientific Reports, in review
- 2017 **Klotzbücher A, Klotzbücher T, Jahn R, Xuan LD, Cuong LQ, Van Chien H, Hinrichs M, Sann C, Vetterlein D.** Effects of Si fertilization on Si in soil solution, Si uptake by rice, and resistance of rice to biotic stresses in Southern Vietnam. Paddy and Water Environment.
- 2017 **Hinrichs M, Fleck AT, Biedermann E, Ngo NS, Schreiber L, Schenk MK.** An ABC Transporter Is Involved in the Silicon-Induced Formation of Casparian Bands in the Exodermis of Rice. Frontiers in Plant Science **8**, 671.
- 2015 **Fleck AT, Schulze S, Hinrichs M, Specht A, Waßmann F, Schreiber L, Schenk MK.** Silicon promotes exodermal casparian band formation in Si-accumulating and