

# Completed MSc theses in the specialization Plant Physiology



## 2024

- **Cindy Chen**.31.03.2024. Prof. C. Robert  
Plant Specialized Metabolites as Potential New Antibiotics against *Helicobacter pylori*

## 2023

- **Weishuo Kong**.18.10.2023. Prof. D. Rentsch  
The role of putative amino acids transporter overexpressed in tomato (*Solanum lycopersicum* L.) plants.
- **Stella von Schulthess**. 03.07.2023. Prof. P. Jullien  
Investigation of small RNA movement upon abiotic stress in *Arabidopsis thaliana*.
- **Simon Jäggi** .25.05.2023. Prof. D. Rentsch  
Insights into organic nitrogen utilisation in *Arabidopsis thaliana*.

## 2020

- **Robin Eva Bautzmann**. 05.09.2020. Prof. D. Rentsch  
Effects of non-weathered and weathered micro- and macroplastics produced out of five different agricultural foil types on performance of *A. thaliana* L., *S. lycopersicum* L. cv. Micro-Tom and *Z. mays* L.
- **Nora Röckel**. 06.02.2020. PD Dr. Z. Tadele  
Mechanism of drought tolerance in selected tef [*Eragrostis tef* (Zucc.) Trotter] genotypes.

## 2019

- **Mirjam Schnell**. 15.11.2019. PD Dr. Z. Tadele  
Investigation of waterlogging tolerance in tef [*Eragrostis tef* (Zucc.) Trotter].

## 2018

- **Marc Beringer**. 31.07.2018. Prof. C. Kuhlemeier  
Studies on the cis-regulatory sequences of the *Petunia* speciation genes MYB-FL and ODORANT1.
- **Electine Magoye**. 18.06.2018. PD Dr. Z. Tadele  
Genome Structure and Phylogeny of *Eragrostis* Species.
- **Viona Ernst**. 16.04.2018. Prof. D. Rentsch  
The genetic basis associated with growth on dipeptides in an *Arabidopsis thaliana* MAGIC population.
- **Valentin Gfeller**. 30.04.2018. Prof. M. Erb  
Chemical and molecular characterization of root-emitted volatiles in *Centaurea stoebe* and their role in belowground plant-plant interactions.

## 2017

- **Bettina Bühler.** 28.08.2017. Prof. M. Erb  
Secondary metabolite hijacking by a specialist root herbivore: Is iron the key?
- **Lea Valentina Jäggi.** 13.06.2017. Prof. C. Kuhlemeier  
The genetic and molecular basis of floral tube color in the genus *Petunia*.

## 2016

- **Philipp Kuster.** 01.09.2016. Prof. D. Rentsch  
Molecular characterization and functional analysis of two ANT1-like transporters of *Arabidopsis thaliana*.
- **Anaëlle Dubois.** 02.06.2016. Prof. D. Rentsch  
Functional characterization of two amino acid transporters of the protozoan parasite *Trypanosoma brucei*.

## 2015

- **Manuel Frank.** 16.04.2015. Prof. D. Rentsch  
Untersuchung des intrazellulären Transports von Mitgliedern der ANT1-like- und NPF-Familie sowie des Saccharose-Transporters SUC4.
- **Abiel Rindisbacher.** 01.03.2015. Prof. C. Kuhlemeier / Dr. Z. Tadele  
Studying drought tolerance in *tef*.

## 2013

- **Patrizia Ascone.** 05.11.2013. Prof. D. Rentsch  
Intrazelluläres *Trafficking* von Di- und Tripeptidtransportern und ANT1-like-Proteinen aus *Arabidopsis thaliana* und Charakterisierung der kleinen Rab GTPasen RabG3b und RabG3f.
- **Michel Moser.** 01.04.2013. Prof. C. Kuhlemeier  
RNA-Seq analysis of floral tissue from *Petunia*.

## 2012

- **Daniel Hürliman.** 31.07.2012. Prof. D. Rentsch  
Functional characterization of two lysine transporters of *Trypanosoma brucei*.

## 2011

- **Regula Schneider.** 30.05.2011. Prof. C. Kuhlemeier  
Investigation of drought tolerance in *tef* (*Eragrostis tef*).

## 2010

- **Jan Moritz Michael Jöst.** 01.11.2010. Prof. C. Kuhlemeier  
Helical *tef* - A twisted phenotype leads to semi-dwarfism in the Ethiopian cereal *Eragrostis tef*.