

Leo Zeitler

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Education	PhD Student Evolutionary Biology Institute for Molecular Plant Biology, ETH Zurich, Switzerland Advisor: Prof. Dr. Kirsten Bomblies	04/2019–current
	M.Sc. Crop Sciences University of Hohenheim, Stuttgart, Germany Thesis: Loss of genetic diversity in doubled-haploid lines from European maize landraces Advisors: Prof. Jeffrey Ross-Ibarra, Dr. Markus Stetter & Prof. Karl Schmid	09/2016–03/2019
	B.Sc. Agricultural Sciences University of Hohenheim, Stuttgart, Germany Thesis: Sequence analysis of putative domestication genes in Amaranth Advisors: Prof. Karl Schmid	04/2013–11/2016
	High School/Abitur Johannes Kepler Gymnasium, Stuttgart	2003–2011
Work Experience	Research internship Ross-Ibarra Lab, Department of Plant Sciences and Center for Population Biology, University of California Davis — Davis, CA, USA	04/2018–10/2018
	Student assistant Institute of Plant Breeding, Seed Science and Population Genetics, University of Hohenheim — Stuttgart, Germany	09/2015–03/2018
	Internship – Plant Breeding Betaseed Inc. (KWS) — Kimberly, ID, USA	08/2017–10/2017
	Internship – Plant Breeding PZO Oberlimpurg — Schwäbisch Hall, Germany	06/2014–10/2014

Publications

Submitted

1. **Zeitler, L.**, Ross-Ibarra, J., and Stetter, M.G. (2019). Loss of diversity and accumulation of genetic load in doubled-haploid lines from European maize landraces. *BioRxiv* DOI:10.1101/817791

Published

1. Stetter, M.G., **Zeitler, L.**, Steinhaus, A., Kroener, K., Biljecki, M., and Schmid, K.J. (2016). Crossing Methods and Cultivation Conditions for Rapid Production of Segregating Populations in Three Grain Amaranth Species. *Front. Plant Sci.* 7.

Grants & Awards	<ul style="list-style-type: none"> • KWS Master Scholarship (2016-2018) • Herzog Carl Scholarship (2018) • Travel grant from Baden-Württembergische Ministerium für Wissenschaft, Forschung und Kunst (2018) • 3rd Poster Prize at ELLS Student Conference, Wageningen, 2018 • Best student research group project of the Agricultural Faculty, 4. Humboldt reloaded-Jahrestagung, 2015
Interest & Skills	<p><i>Genetics</i> population genetics (diversity, domestication, adaptation, genome dynamics), quantitative genetics (GWAS, mixed models)</p> <p><i>Bioinformatics</i> Statistical analysis (R, SAS), python, population genetics and bioinformatics using R and command line tools (plink, vcftools, BLAST, beagle, GATK, samtools), simulations using SLiM, bash scripting, cluster computing (slurm, LSF), galaxy, L^AT_EX, emacs, MacOS, GNU/Linux</p> <p><i>Wet-Lab</i> DNA extraction, plant cultivation</p>
Languages	<p><i>German</i> · Mother tongue</p> <p><i>English</i> · Advanced</p>
References	<p>Prof. Jeffrey Ross-Ibarra · rossibarra@ucdavis.edu</p> <p>Dr. Markus Stetter · m.stetter@uni-koeln.de</p> <p>Prof. Kirsten Bomblies · kirsten.bomblies@biol.ethz.ch</p> <p>Prof. Karl Schmid · karl.schmid@uni-hohenheim.de</p>