

## Leo Zeitler

---

University of Bern  
Institute of Plant Sciences  
Altenbergrain 21  
3013 Bern  
Switzerland  
leo.zeitler@gmail.com  
twitter: @leo\_zeitler  
GitHub: LZeitler

Education	<i>PhD Candidate Population Genomics</i>	10/2020–current
	Institute of Plant Sciences, University of Bern, Switzerland Advisors: Dr. Kimberly Gilbert & Prof. Dr. Christian Parisod	
	<i>M.Sc. Crop Sciences</i>	09/2016–03/2019
	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	
	<i>B.Sc. Agricultural Sciences</i>	04/2013–11/2016
	University of Hohenheim, Stuttgart, Germany Thesis: Sequence analysis of putative domestication genes in Amaranth Advisors: Prof. Karl Schmid	
	<i>High School/Abitur</i>	2003–2011
	Johannes Kepler Gymnasium, Stuttgart	
Work Experience	<i>Research Internship</i>	04/2019–10/2020
	Bomblies Lab, Plant Evolutionary Genetics, Institute for Molecular Plant Biology, Department of Biology, ETH Zurich — Zurich, Switzerland	
	<i>Research internship</i>	04/2018–10/2018
	Ross-Ibarra Lab, Department of Plant Sciences and Center for Population Biology, University of California Davis — Davis, CA, USA	
	<i>Student assistant</i>	09/2015–03/2018
	Institute of Plant Breeding, Seed Science and Population Genetics, University of Hohenheim — Stuttgart, Germany	
	<i>Internship – Plant Breeding</i>	08/2017–10/2017
	Betaseed Inc. (KWS) — Kimberly, ID, USA	
	<i>Internship – Plant Breeding</i>	06/2014–10/2014
	PZO Oberlimpurg — Schwäbisch Hall, Germany	

## Publications

### Published

1. **Zeitler, L.**, Ross-Ibarra, J., and Stetter, M.G. (2020). Selective Loss of Diversity in Doubled-Haploid Lines from European Maize Landraces. *G3: Genes, Genomes, Genetics* 10, 2497–2506. DOI:10.1534/g3.120.401196
2. 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.  
DOI:10.3389/fpls.2016.00816

#### Grants & Awards

- 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

##### *Genetics*

population genetics (diversity, domestication, adaptation, genome dynamics), quantitative genetics (GWAS, mixed models)

##### *Bioinformatics*

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<sup>A</sup>T<sub>E</sub>X, emacs, MacOS, GNU/Linux

##### *Wet-Lab*

DNA extraction, plant cultivation

#### Languages

*German* · Mother tongue

*English* · Advanced

#### References

Prof. Jeffrey Ross-Ibarra · rossibarra@ucdavis.edu

Dr. Markus Stetter · m.stetter@uni-koeln.de

Prof. Kirsten Bomblies · kirsten.bomblies@biol.ethz.ch

Prof. Karl Schmid · karl.schmid@uni-hohenheim.de