

Gleb Georg Ebert

Curriculum Vitae

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Education

2021 – PRESENT	Doctorate in Evolutionary Microbiology, ETH Zurich
2019 – 2021	Master in Biology (Major in Microbiology and Immunology), ETH Zurich
2016 – 2020	Bachelor in Biology, ETH Zurich
2014 – 2016	Studies in Mechanical Engineering, ETH Zurich (without graduating)
2014	Matura at Gymnasium Kirschgarten, Basel

Research projects & Internships

2021 – PRESENT	PhD thesis with Macarena Toll-Riera, Institute of Integrative Biology, ETH Zurich “Overcoming upper limits of thermal adaptation in a cold-adapted bacterium”
03/2021 – 09/2021	Master thesis with Bruce McDonald, Institute of Integrative Biology, ETH Zurich “Evolutionary responses to sublethal fungicide stress are strain-specific in the wheat pathogen <i>Zymoseptoria tritici</i> ”
09/2019 – 12/2020	Research project with Bruce McDonald, Institute of Integrative Biology, ETH Zurich “Abiotic stress tolerance adaptation in wheat fungal pathogen populations over the course of a single epidemic season”
11/2019 – 02/2020	Research project with Wolf-Dietrich Hardt, Institute of Microbiology, ETH Zurich “Verification of Hits from a Whole Genome Signature Tag Mutagenesis Screen in <i>Salmonella Typhimurium</i> ”
04/2018 – 09/2020	Lab assistant (part-time) with Gregory Velicer, Institute of Integrative Biology, ETH Zurich
01/2017 – 02/2017	Internship with Daniel Berner, Zoological Institute, University of Basel

Wetlab experience

CONSIDERABLE EXP.	sterile work (BSL1 and BSL2), microbial culturing methods and various assays (e.g. fitness, predation, antimicrobial resistance), molecular biology (DNA extraction, electrophoresis)
LIMITED EXP.	genomic engineering, qPCR, <i>in vivo</i> and <i>in planta</i> experiments

Computational skills

GOOD COMMAND	R programming and data visualization, image processing (Adobe Photoshop, Gimp), \LaTeX
INTERMEDIATE SKILLS	genome analysis, R statistics, Python scripting, Bash scripting, HPC cluster jobs, automated image analysis (ImageJ)
BASIC SKILLS	machine learning (Python), Git

Language skills

GERMAN	native speaker
RUSSIAN	near native
ENGLISH	very good command
FRENCH	basic communication skills