

As a detail-oriented molecular biologist, I am excited to study the pathogenesis of lymphoproliferative disorders and help improve the life quality of dogs and cats. In various scientific projects I have gained hands-on experience with cellular and molecular assays and in my current position I timely deal with multiple projects at once and clearly communicate the results to clients. The scientific competition iGEM has prepared me to function effectively within a team and has left me with a strong work ethic and excellent organizational skills. Now I am eager to learn more about flow cytometry and veterinary diagnostics.

Vocational Experience

- 2017–present *European Molecular Biology Laboratory (EMBL)*, Monterotondo, Italy
- Job Title **Technical Officer**, Genetic and Viral Engineering Facility
- Achievements Provided high-quality genetic constructs and viral vector tools; established new protocols and methods; performed all general laboratory duties (manage lab supply, equipment and instruments, prepare stock solutions and media); improved database; managed sample data and accurately reported results to clients.

Research Experience

M.Sc. Thesis, Genetics & Experimental Bioinformatics

- Topic *Biochemical analysis of the Cas6-1 RNA endonuclease associated with the subtype I-D CRISPR-Cas system in *Synechocystis* sp. PCC 6803.* ([Publication](#))
- Achievements Managed own research project; successfully worked with cyanobacteria and RNA.

iGem 2015 Competition

- Topic *Multiplexed antibody detection from blood sera by immobilization of in vitro expressed antigens and label-free readout via imaging reflectometric interferometry (iRIf).* ([Publication](#)) ([Team Website](#))
- Achievements Produced high-quality outcome as part of a team; accurately recorded and communicated results comprehensively for all team members as well as to a broad audience; successfully managed lab as a team.
- Awards Gold medal; nominated for Best Health and Medicine Project, Best Innovation in Medicine and Best Wiki.

Education

- 2014–2016 **M.Sc. Biology**, [Albert-Ludwigs-Universität Freiburg](#), Germany, GPA 4.0.
- 2011–2014 **B.Sc. Biology**, [Philipps-Universität Marburg](#), Germany, GPA 4.0.

Languages

- German Native Speaker
- English C1 *full working proficiency in speaking, reading and writing*
- Other Spanish, Italian, Portuguese *basic proficiency*

Computer Skills

- Office Tools Microsoft Excel, Word, PowerPoint; Adobe Illustrator *very proficient in all 4*
- Other FileMaker database, Geneious, SnapGene *basic working proficiency*