



Contact

E-mail dea.lorenz@chello.at

Phone +43 660 6599884

Address Obkirchgasse 7/13
1190 Vienna, Austria

LinkedIn [linkedin.com/in/
andrealorenz](https://www.linkedin.com/in/andrealorenz)

Education

2021
**Bachelor's Degree in
Microbiology and Genetics**
University of Vienna

2023
**Master's Degree in
Immunobiology**
University of Vienna

Laboratory skills

Flowcytometric analyses

Protein analysis
(Western Blot, Luminex)

RT-qPCR

Mammalian and bacterial cell
cultures

Mouse work
(dissection, isolation of primary cells)

Data analysis and presentation
(GraphPad Prism, CytExpert, FlowJo,
ImageJ, Excel)

Teaching skills

5 years as a Volleyball coach

Tutoring students

Languages

German
(native)

English
(fluent)

French
(intermediate)

Spanish
(beginner)

Andrea Lorenz

Molecular Biologist

I am curious about molecular biology and motivated to acquire new skills on a daily basis. I am very organized and independent in my own work and also well versed in coordinating projects and events within larger groups. I am a very social person and enjoy cooperations with colleagues and creating a supportive and collaborative environment.

Experience

2022-2023 - Master's Thesis

Basic Characterization of the Hematopoietic System in Type I Interferon Deficient Mice

University of Veterinary Medicine | Vienna, Austria
Supervised by Mathias Müller

By comparing the **first interferon- α (IFN α) deficient mouse model** to type I interferon (IFN-I) and IFN- β deficient mice, I attempted to identify functions specific for IFN-I subtypes in hematopoiesis under homeostatic conditions. The project focused on the abundance of specific **immune cell populations** and **protein analysis** of key players within the Jak/Stat pathway.

2020 - Bachelor's Thesis

Transcriptionally Enforced Differentiation of CD4+ T Helper Cell Subsets

Technical University of Munich | Munich, Germany
Supervised by Dietmar Zehn

Using **ectopic expression of lineage determining transcription factors**, I started to establish stable and irreversible differentiation of **naive murine CD4+ T cells** into their respective subsets.

2019 - Internship

LAMP-2 in Macro- and Chaperone Mediated Autophagy

Department of Pathology, Medical University of Vienna | Vienna, Austria
Supervised by Renate Kain

This internship allowed me to gain **lab experience** very early in my studies and to refine my technical skills in **ELISA** and **Western Blot assays** within a project on ANCA associated autoimmune vasculitis.

2018 - FEMtech-Internship

Microbiological assessment of home-made Joghurt regarding Food Safety

Agency for Health and Food Safety | Vienna, Austria
Supervised by Birgit Rossmann

Working in the department for meat and dairy products, I tested various methods to make **home-made joghurt** and evaluated them for applicability, flavor and **microbiological safety**.

2017- High School Graduation with Distinction

GRGXIX Vienna, Austria

Topic of my final project: Consequences of Time-efficient Treatment of Sports Injuries by the Example of ACL Ruptures in Volleyball

2016 - FFG-Pupil Internship

Storm Predictions by Usage of Historical Air Pressure Data

GeoSphere Austria | Vienna, Austria
Supervised by Christoph Matulla

I discovered the world of **scientific thinking**, paving the way for my career in science, meanwhile learning about the intricacies of **climate research** and its **data sets**.