

# JULIA BECHTELER

## ABOUT

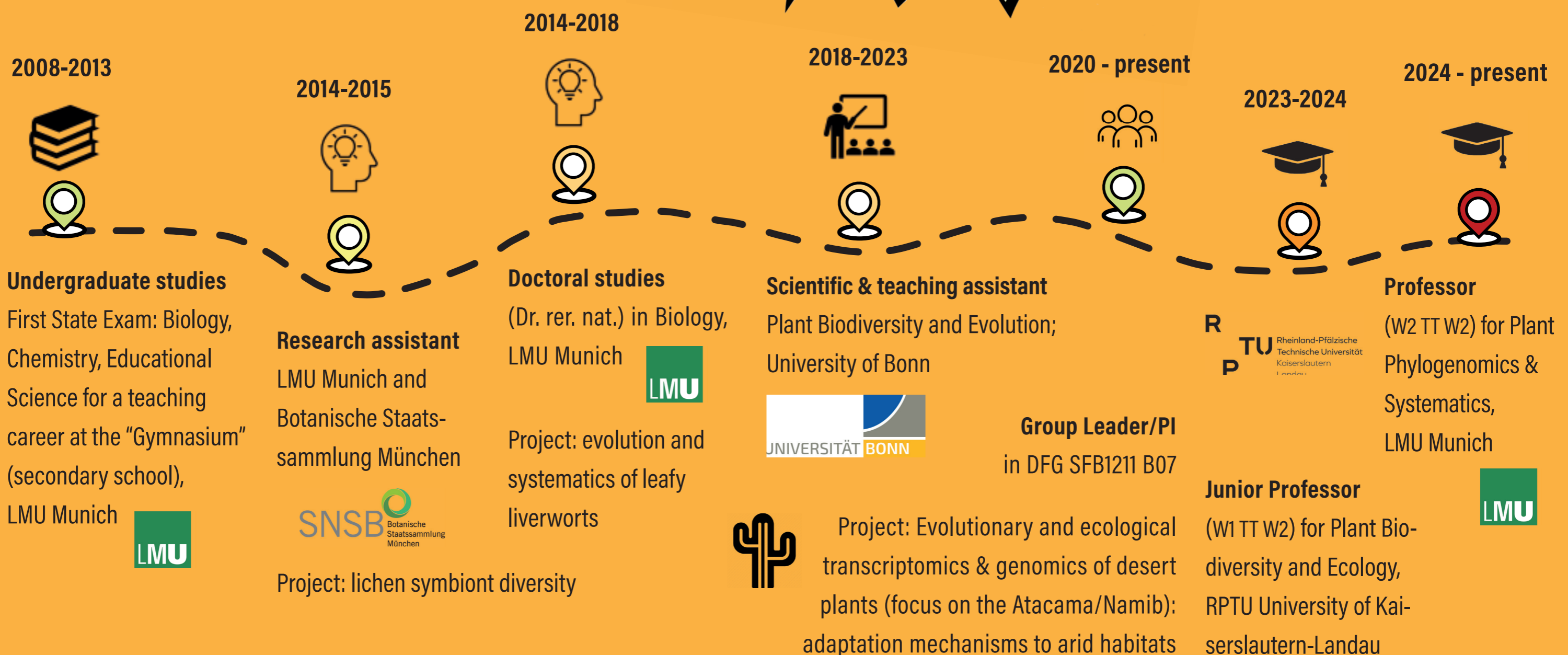
Julia Bechteler is a biologist with a specialization in botany. She is a professor for plant phylogenomics and systematics at the LMU Munich, located at the Botanical Institute next to the Botanical Garden. With her team she wants to understand when, where and how our current plant biodiversity evolved and how plants adapted to different habitats and environmental conditions. Her model organisms are drought or desiccation tolerant on different levels and range from bryophytes to angiosperms. She is project leader and since 2024 also cluster speaker in the interdisciplinary DFG SFB1211 "Earth - Evolution at the Dry Limit" in which she and her team investigate eco-evolutionary dynamics and genetic adaptation mechanisms of plants to arid environmental conditions.



### WHAT TO TELL STUDENTS

„Be open to new (project) ideas and find a supporting mentor“

## CV TIMELINE



## KEY EXPERIENCE

Working in an interdisciplinary and international team of scientist within a DFG-funded SFB on the evolution of the driest deserts on earth (Atacama and Namib) has truly shaped my view on my own research. It is great to learn from and with other scientific disciplines, such as geology or geochemistry, and their view on a certain topic and research question.

## MAJOR SCIENTIFIC FINDING

Besides desert plants, my research interest is in understanding the biology of bryophytes, the second largest group of land plants that is ecologically important around the world, but still poorly understood. In a very international team, we have provided the to date most comprehensive phylogenomic study on the evolution of bryophytes.

