



## Juliane FASCHANG née Hintersteiner

**Finishing year:** 2015

**Supervisor:** Steffen Hering,  
Faculty of Life Sciences,  
University of Vienna

**Thesis title:** In vivo  
characterization of natural  
product GABA<sub>A</sub>  
modulators and their  
derivatives.

**Current Employer:**  
Private Pharmacy, Upper  
Austria, Austria

**MolTag alumni page:**

[Juliane Faschang née  
Hintersteiner \(univie.ac.at\)](#)

### How would you summarize your thesis results in 3 sentences?

The aim of my thesis was to analyze anxiolytic, sedative, and anticonvulsive effects of Valerenic Acid, Piperine and selected derivatives, which positively modulate GABA<sub>A</sub> receptors comprising  $\beta$ 2- or  $\beta$ 3- subunits. The studied Valerenic Acid derivatives may serve as scaffolds for the development of novel anxiolytics and/or anticonvulsants. Piperine derivatives SCT-66 and compound 23 induced more pronounced anxiolysis in mice than piperine and thus may be an interesting starting point for the development of novel anxiolytics.

### What are you doing now?

I worked in a hospital pharmacy, where I practiced clinical pharmacy. After parental leave, I continued working in privately owned pharmacy. Currently, I am in parental leave again and enjoy the time with my family.

### What was the impact of the MolTag program on your further career?

I learned much about scientific writing and presenting my scientific work. After finishing my PhD, I worked in a hospital pharmacy, where I benefited a lot from this knowledge.

### What did you particularly like about the MolTag program?

When the program started, I felt like I was not a lone fighter any more. I found it very interesting to see how others work on their thesis. We were in constant contact and if you had a problem you could ask the others and get some input.

### What is your recommendation for current MolTag PhD students?

Conducting a PhD is a lot of work. You need staying power, tenacity, and diligence. **Team-up with like-minded people, exchange your thoughts and ideas, and do not forget to have fun during this time!**

