



## **Dr. Monika Ayten**

**German and European Patent Attorney Trainee  
M.Sc. Drug Research**

Monika Ayten is a patent attorney trainee at Maiwald where she specializes in intellectual property protection in the fields of pharmacy, molecular biology and biomedicine. Her PhD research focused on the identification and characterisation of dysregulated proteins in a retinitis pigmentosa mouse model using proteomic analysis. Her dissertation investigated the degeneration of photoreceptors, metabolic changes, changes in visual acuity and inflammatory processes.

As postdoc at Harvard University, she conducted research in the field of retinal development, focusing in particular on T-box transcription factors and their role in photoreceptor distribution and macula development. In the course of her work there she acquired particular expertise in the electroporation of the optic eye primordium of chick embryos.

Monika Ayten research findings have been published in several prestigious journals. She has also presented her findings at various national and international academic conferences.

### **CAREER**

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since 2026	Patent attorney trainee at Maiwald
2024 - 2025	Postdoc at Harvard University in Boston, Massachusetts
2023 - 2024	Postdoc at Ludwig Maximilian University of Munich
2019 - 2020	Shift coordinator in solution production at Vetter Pharma in Ravensburg

### **EDUCATION**

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2020 - 2023	Doctorate in pharmacology at Ludwig Maximilian University in Munich
2017 - 2019	Master's degree in pharmaceutical research at the University of Bonn; selected for a mentor-based programme focusing on clinical pharmacy under the supervision of Prof. Dr. Ulrich Jaehde
2013 - 2017	Bachelor's degree in Pharmaceutical Chemistry at the Natural Sciences and Technology Academy in Isny
2010 - 2013	Training as a pharmaceutical technical assistant (PTA) at the Natural Sciences and Technology Academy in Isny

## **PRACTICE AREAS**

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- 制药&生物科技
- 专利&实用新型

## **SERVICES**

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- Patent grant procedures and portfolio management
- Filing strategies and preparation of applications
- Preparing freedom-to-operate and legal validity reports
- Opposition and nullity proceedings

## **PUBLICATIONS**

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- Tbx genes influence early gene expression and photoreceptor patterning in the chick retina, Journal of Developmental Biology, 2026
- Invited public lecture on Identification and Investigation of Dysregulated Proteins in a Retinitis Pigmentosa Gene Therapy Mouse Model, The Second Hospital of Dalian Medical University, Dalian, China, July 2025

## **LANGUAGES**

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- German
- English