



Dr. Patrick Heeger

Technical Expert
M.Sc. Biomedicine
PhD Physics

Patrick Heeger is a patent attorney trainee at Maiwald. His activities are mainly focused on the protection of intellectual property in the fields of medical technology, biotechnology, and mechanical and plant engineering. He has particular expertise in the fields of biophotonics, optogenetics and laser medicine.

During his doctoral studies at Leibniz Universität Hannover and the Lower Saxony Centre for Biomedical Engineering, Implant Research and Development, he created a test system for a light-based cochlear implant consisting of a network of neurons from different physiological units, thereby establishing the basis for an optogenetic biohybrid cochlear implant.

CAREER

since 2023	Patent attorney trainee at Maiwald
2022 - 2023	Patent attorney trainee at another IP firm

EDUCATION

since 2022	Studies law for patent attorneys at the University of Hagen
2014 - 2021	Doctorate in the field of biophysics at Leibniz University Hannover
2012 - 2014	Master's degree in biomedicine at the University of Veterinary Medicine Hannover
2009 - 2012	Bachelor's degree in biology at the Technical University of Braunschweig

PRACTICE AREAS

- Pharma & Biotech
- Electrical & Mechanical Engineering
- Measuring & Process Technology
- Medical Technology & Imaging

SERVICES

- Patent prosecution and portfolio management
- Application strategies and drafting of patent applications

- Freedom-to-operate- and validity opinions
- Opposition and nullity proceedings

PUBLICATIONS

- Probing interneuronal cell communication via optogenetic stimulation, 2021

LANGUAGES

- German
- English
- Spanish
- Dutch