

# Carry out your own PhD project!

– in Experimental Biophysics / Biochemistry –  
supervised by  
Prof. Peter Hegemann (Humboldt University of Berlin)

The Hector Fellow Academy offers you the opportunity to **realize a self-developed research project under supervision Prof. Peter Hegemann**. He is one of the Hector Fellows, a community of outstanding professors from different research institutions across Germany working in **STEM-subjects, medicine, and psychology**.

He is one of the founding fathers of optogenetics, which combines the methods of optics and genetics to create a form of non-invasive stimulation of neurons. His research with photoreceptors of algae has led to the discovery of light-sensitive ion compositions in cells. The protein involved (“channelrhodopsin-2”) enables a precise control of genetically modified cells through light pulses, which leads to a new possibility to treat neuronal illnesses.

## Your profile

You are enthusiastic about developing and investigating an innovative research idea within the [discipline of Prof. Hegemann](#)? You have a master’s degree in a scientific or engineering subject with excellent grades? You stand out from your peers due to your strong commitment and independent work? You are team oriented and communicative? You are willing to change your place of residence to Berlin?

## Our offer

- ✓ Opportunity to realize a self-developed research idea
- ✓ Mentored by an internationally renowned, top-level scientist
- ✓ Funded position (according to TV-L 13, up to 100%, based on the [funding rates](#) of the DFG for PhD students)
- ✓ Extensive research funding
- ✓ Membership in an excellent research network
- ✓ Additional management courses, trainings & networking events

## Your application

Apply until **April 30th, 2020** via our [Application Portal](#).  
Further information: [www.hector-fellow-academy.de](http://www.hector-fellow-academy.de)