

Carry out your own PhD project!

– in Experimental Physics / Quantum Optics –

supervised by

Prof. Immanuel Bloch (LMU Munich / Max Planck Institute of Quantum Optics)

The Hector Fellow Academy offers you the opportunity to **realize a self-developed research project under supervision Prof. Immanuel Bloch**. 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 among the leading scientists worldwide in the field of research into ultracold quantum matter at temperatures near absolute zero. With the help of laser beams, he generates artificial crystals of light, in which ultracold atoms can be captured as in a matrix of microscopic, laser pincer-like traps. In this way, artificial model systems for real solids can be generated that can be controlled extremely well.

Your profile

You are enthusiastic about developing and investigating an innovative research idea within the [discipline of Prof. Bloch](#)

You have a master's degree in a scientific or engineering subject with excellent grades

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 **March 31st, 2020** via our [Application Portal](#).

Further information: www.hector-fellow-academy.de