

# Carry out your own PhD project!

– in Physical Chemistry of Microscopic Systems –

supervised by

Prof. Manfred Kappes (Karlsruhe Institute of Technology)

The Hector Fellow Academy offers you the opportunity to **realize a self-developed research project under supervision Prof. Manfred Kappes**. 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**.

His research field involves size-dependent properties of matter in the range of 0.5 to 10 nanometers. Using self-developed ion beam and mass spectrometry methods he examines how optical, electronic, mechanical and chemical properties change with the atomic number and the charge number of particles. He focuses, among other things, on producing novel carbon materials with specific electrical and mechanical properties.

## Your profile

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

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 31<sup>st</sup>, 2020** via our [Application Portal](#).

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