

Carry out your own PhD project!

in Deformation & Fracture Processes / Tribology / Interface in Metals & Ceramics

supervised by

Prof. Peter Gumbsch (Karlsruhe Institute of Technology)

The Hector Fellow Academy offers you the opportunity to **realize a self-developed research project under supervision Prof. Peter Gumbsch**. 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 activities focus on modeling and simulation of materials, in particular multiscale modelling approaches. His activities cover atomistic simulation, mesoscopic modeling as well as macroscopic materials descriptions. Central research topics are deformation and fracture processes as well as interface properties in metals and ceramics. He has recently started new activities in the area of tribology.

Your profile

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

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 **April 20, 2022** via our [Application Portal](#).

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