



PhD positions available

We seek to fill PhD positions (initially for 3 years) in our newly established Soft Matter Theory group at the Technical University of Darmstadt for projects in one of the following working areas: Active soft matter physics, pattern formation and transport in active particles, (optimal) navigation problems in microswimmers and modeling of microgels.

For further details on our research please see:

https://www.fkp.tu-darmstadt.de/groups/ag_liebchen/forschung_8/inhalt_mit_marginalienspalte_44.en.jsp

Location:

Successful applicants will be hosted at the institute for condensed matter physics at the Technical University of Darmstadt (campus in the city center of Darmstadt, 15-20min by train from Frankfurt).

Requirements:

- Very good master's degree (or equivalent) ideally with a focus in theoretical or computational physics
- High motivation and willingness to support our teaching duties (e.g. exercise classes)
- Good English language skills

Knowledge in nonequilibrium statistical physics, stochastic processes, nonlinear dynamics, soft matter, biological physics and/or programming experience is additionally useful but not strictly required.

Application procedure:

Candidates are encouraged to send their application electronically as a PDF document (single file) including a detailed CV, copies of relevant certificates and a short statement of their research interests to Prof. Dr. Benno Liebchen: liebchen@fkp.tu-darmstadt.de