In the newly established *Department of Living Matter Physics* (LMP) we seek to fill a number of

**PhD positions (m/f).**

The Max Planck Institute for Dynamics and Self-Organization (MPI-DS) at Göttingen, Germany, is an international, interdisciplinary and collaborative environment offering an exceptional research setting. It hosts a range of theoretical and experimental fundamental scientific research, and it currently employs a diverse group of researchers of about 300 people.

The LMP department engages in a wide range of theoretical research aimed at understanding the dynamics of living systems from a physical perspective. The department currently hosts Ramin Golestanian (director), Andrej Vilfan (group leader), Evelyn Tang (group leader), and a number of Gauss fellows, postdoctoral researchers, students, and visitors.

**The research**

The PhD students will engage in theoretical and computational research in Nonequilibrium Statistical Physics of Active Matter. Possible topics include

- Synthetic Active Matter
- Collective Behaviour in Dense Active Matter
- Information Flow in Living Matter

**Your profile**

We are looking for excellent, enthusiastic and self-motivated early-career researchers with good communication skills to join our research team. The PhD candidate should have:

- A Master’s degree (or comparable) in theoretical physics, applied mathematics or related disciplines from a recognized university.
- Interest in nonequilibrium statistical physics and living matter physics.
- Ability and desire to work in a multi-disciplinary international team.
- Good command of English, which is the working language of the department. German is an asset but not required.

**Our offer**

We are offering excellent working conditions in a highly interdisciplinary and stimulating research environment. Salary and working hours are in accordance with the funding guidelines of the Max Planck Society for junior scientists. Working hours are fulltime; salary is 2/3 of E13 TVöD-Bund. Furthermore, we offer opportunities regarding work life balance as well as health promotion services. The PhD position is limited to three years. The starting date is flexible.

The Max Planck Society is committed to increasing the number of individuals with disabilities in its workforce and therefore encourages applications from such qualified individuals. Furthermore, the Max Planck Society seeks to increase the number of women in those areas where they are underrepresented and therefore explicitly encourages women to apply.

**Your application**

To apply, please follow this link with the reference no MPIDS-W026: [https://s-lotus.gwdg.de/mpg/mpsf/perso/mpids_w026.nsf/application](https://s-lotus.gwdg.de/mpg/mpsf/perso/mpids_w026.nsf/application) and submit your CV, your academic records, a statement of your research interests, and contacts of two referees. Applications received before 21st of January 2019 will be given full consideration, but you are encouraged to apply as soon as possible.

For questions, please contact: Prof. Dr. Ramin Golestanian (Tel. +49 551 5176-100; Email: ramin.golestanian@ds.mpg.de)

**Max Planck Institute for Dynamics and Self-Organization**

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