



# Max-Planck-Institut für Dynamik und Selbstorganisation

Max Planck Institute for Dynamics and Self-Organization



MAX-PLANCK-GESELLSCHAFT

At the department Dynamics of Complex Fluids headed by Prof. Dr. Stephan Herminghaus we seek to fill

## Postdoctoral Positions (m/f)

within a research group working in the field of

## Biophysics / Soft Matter Physics.

The Max Planck Institute for Dynamics and Self-Organization at Göttingen, Germany, is an international research institute. It performs both experimental and theoretical fundamental scientific research and currently employs about 300 people.

### The research

The research group focuses on a variety of experimental methods including microfluidics, optical microscopy techniques, and fluorescence microscopy and has developed novel high-precision force spectroscopy techniques to study forces in biological and synthetic systems. Experimental facilities as well as travel funds will be available.

The successful candidates will join an active group involved in international collaborations. They will design and conduct experiments on *in vivo* force spectroscopy of microorganisms and functionalized vesicles. Our general goal is to achieve a better understanding of physical aspects of microbiological adhesion and to mimic cell adhesion in synthetic systems.

### Your profile

We are looking for excellent, enthusiastic and self-motivated researchers with good communication skills to join our research team. The postdoctoral researchers should have PhD in physics or related disciplines and a solid background as well as interest in biological physics and/or soft matter physics.

Expertise regarding experimental techniques and data analysis are required, programming skills (e.g. Matlab) are highly desirable. Fluency in both written and spoken English is required; German is an asset. The researchers will show eagerness to learn new skills and apply established ones.

### Our offer

We are offering excellent working conditions in a highly international and interdisciplinary research environment. The postdoctoral positions are limited to two years. Salary and working hours are in accordance with the funding guidelines of the Max Planck Society for scientists. Working hours are fulltime; salary is E13 TVöD-Bund. Furthermore, we offer opportunities regarding work life balance as well as health promotion services. The starting date is flexible, but should start as soon as possible.

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-W021:

[https://s-lotus.gwdg.de/mpg/mpsf/perso/mpids\\_w021.nsf/application](https://s-lotus.gwdg.de/mpg/mpsf/perso/mpids_w021.nsf/application)

and submit a CV, a motivation letter, a list of publications and contacts of two referees. Applications received before **31st of July 2018** will be given full consideration.

Written applications will not be sent back.

Please contact

Dr. Oliver Bäumchen  
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should you have further questions.

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