



# Max-Planck-Institut für Dynamik und Selbstorganisation

Max Planck Institute for Dynamics and Self-Organization MAX-PLANCK-GESELLSCHAFT



For the independent research group “Theory of Biological Fluids” headed by Dr. David Zwicker we seek to fill a

## Postdoctoral Position (m/f/d) in Biological Physics.

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

### The research

The research group “Theory of Biological Fluids” aims to understand how biological organisms organize fluid-like material. For instance, we investigate the airflow in the nasal cavity to unveil how it affects our sense of smell and we study organization principles of liquid droplets in biological cells. We generally combine analytical insight from simple systems with more detailed numerical simulations to unveil biological design principles. Additionally, we build more detailed models to interpret experimental data of collaborators.

We offer multiple possible projects on these topics of theoretical biophysics. The successful candidate may also shape their own research direction.

### Your profile

We are looking for excellent, enthusiastic, and self-motivated researchers with good communication skills to join our research team. The postdoctoral researcher should have a Ph.D. in theoretical physics, applied mathematics, or a related field as well as an interest in biological and soft matter physics.

Expertise in studying pattern formation, statistical physics, or biological physics is a plus. Programming skills are highly desirable. Fluency in both written and spoken English is required. The researcher should 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 position is for two years initially with the possibility of extension. Salary and working hours follow 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.

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

Please [apply online](#) with the reference no MPIDS-W050 and submit a motivation letter, a CV, a list of publications, and contacts of two referees. Your motivation letter should briefly describe your research interests and state why you want to join our group. Applications received before **15th of October 2020** will be given full consideration. Written applications will not be sent back.

Please contact  
Dr. David Zwicker  
[david.zwicker@ds.mpg.de](mailto:david.zwicker@ds.mpg.de)  
should you have further questions.

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

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