

Max-Planck-Institut für Dynamik und Selbstorganisation

Max Planck Institute for Dynamics and Self-Organization



The Max Planck Institute for Dynamics and Self-Organization is an international focused research institute. It performs both experimental and theoretical basic research and occupies about 250 people.

As a part of the Collaborative Research Center SFB937 “Collective Behavior of Soft and Biological Matter” in Göttingen, Germany, we announce

open Ph.D. positions (f/m)

in condensed matter physics at the department “Dynamics of Complex Fluids” headed by Prof. Dr. Stephan Herminghaus.

We seek highly motivated and outstanding candidates interested in theoretical questions about the collective dynamics of bacterial suspensions. The successful candidates will develop and apply theoretical and computational methods to study the collective bacterial motion and how the motility affects the physical properties of the ensuing biofilm. The theoretical work will be guided by a close collaboration with experiments. The successful candidates will have access to a world-class network of collaborations in the Göttingen Campus, seminars, computational facilities, travel funds, and career mentoring for female students.

The PhD applicants should have a Master’s degree or comparable degree in physics or in a related subject that entitles you to do the PhD at a state or state-recognized higher education institution in Germany. Programming skills in C/C++, Fortran, e.g., are strongly desirable. Fluency in both written and spoken English is required.

Salary and working hours are in accordance with the funding guidelines of the German Research Foundation (DFG).

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. 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.

Applications should include a CV, a list of publications, at least two reference letters and a statement of interests. Please send your application or any inquiry, quoting the reference number, by email to marco.mazza@ds.mpg.de in one pdf-file **until February 1st, 2015**. Application documents will not be sent back.

Reference number: 14-2014

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