



UNIVERSITÉ DE FRIBOURG
UNIVERSITÄT FREIBURG

PhD position in Computational Physical Chemistry

To complete the research team of Prof. Marco Lattuada at the Chemistry Department, University of Fribourg, we look for a highly-motivated PhD candidate for a 4 years position, starting as soon as convenient.

The candidate will work on a cutting-edge research project aiming at understanding the self-assembly of self-propelling smart nanoparticles under the influence of external fields using advanced simulation methods. The work will make use of Monte-Carlo, Brownian Dynamics and Stokesian Dynamics simulations to shed light on the behavior of complex nanoparticles suspensions. Experimental data will be generated within the same research group, providing the candidate with the possibility to directly interact with scientists working on similar problems from the experimental point of view.

The ideal candidate has preferably a Master degree in chemical engineering, physical chemistry or physics. Excellent theoretical and programming skills are required, and previous experience with computer simulations is highly preferred. High enthusiasm, creativity, and a goal-oriented approach are required, as well as excellent communication skills, with fluency in English both written and spoken. Fluency in German and/or French is a very welcome plus. The candidate will work in highly interdisciplinary and international group, with attractive employment conditions and excellent research facilities.

Applications should be sent electronically to:

Prof. Marco Lattuada,
Department of Chemistry,
University of Fribourg,
Chemin du Musée 9
CH-1700 Fribourg
Switzerland.
E-mail : marco.lattuada@unifr.ch