



Postdoctoral position available



We welcome applications from postdoctoral candidates interested in theoretical descriptions of the cytoskeleton and other problems at the **interface between Soft Matter/Statistical Physics and Biology**. Possible projects include collaborations with Margaret Gardel (University of Chicago) and Chase Broedersz (Princeton University) to predict the out-of-equilibrium structure of the actin cytoskeleton and its contraction mechanisms in the absence of muscle-like organization, with Françoise Livolant (CNRS & Université Paris-Sud) to investigate geometrical frustration in condensed DNA, and with Nicolas Tsapis and Patrick Guenoun (CNRS & CEA) to design nanoparticles for use as ultrasound contrast agents. More details at

www.lptms.u-psud.fr/membres/mlenz/research

The postdoc will join a new, dynamic group spearheading research at the Soft Matter/Biology interface within a world-class Statistical Mechanics lab. The position presents ample opportunities for strong interactions with local and international collaborators. **Autonomous interactions with experimentalists** and the **development of creative independent projects** are encouraged. Depending on project and the candidate's expertise and preferences, the work might range from purely analytical to largely numerical. Teaching and outreach opportunities will also be provided.

The postdoc will be employed by CNRS, France's largest and most recognized research institution. Funding is available for at least **two years of employment**. The work is to be conducted at LPTMS, a joint laboratory of CNRS and Université Paris-Sud with a markedly international atmosphere. Located in Orsay, it is **25 minutes away from central Paris via a frequent, direct commuter train**. Université Paris-Sud was founded by Irène and Pierre Joliot-Curie and has the country's largest academic campus with over 2400 permanent researchers and faculty. 2 Physics Nobel Prizewinners and 4 Fields Medalists are affiliated to it, and it was ranked as France's premier academic institution in the 2012 Shanghai Ranking (ARWU).

The gross salary for the position ranges between 2500 €/month and 3000 €/month depending on experience. Benefits include free full healthcare coverage for the postdoc and his or her dependents, generous vacations, 16-weeks fully-paid maternity leaves, free schooling from age 3 and subsidized child care for younger children. CNRS additionally subsidizes vacations, sports and cultural activities for its employees.

The position will begin at a **flexible date before Dec. 31st 2013**. The successful candidate will hold a Ph.D. by the start date and have strong background and research achievements in Theoretical Soft Matter, Biological and/or Statistical Physics. Outstanding applicants coming from Mechanics and Computational Physics will also be considered. Full applications will comprise the names of three references, an application letter, a CV and a publications list, possibly including preprints. Informal inquiries are also welcome.

Contact:

Martin Lenz
CNRS researcher & Junior Chair of Physics from the PALM *Laboratory of Excellence*
martin.lenz@u-psud.fr