



LABORATOIRE DE PHYSIQUE THÉORIQUE ET MODÈLES STATISTIQUES
CNRS & UNIVERSITÉ PARIS-SUD – ORSAY – FRANCE

LABORATOIRE PHYSIQUE ET MÉCANIQUE DES MILIEUX HÉTÉROGÈNES
CNRS & ESPCI – PARIS – FRANCE

Postdoctoral positions available

We welcome applications from postdoctoral candidates interested in frustrated self-assembly of irregular objects and other problems at the **interface between Soft Matter/Statistical Physics and Biology**. Priority projects include

- Analytical and/or computational approaches combining elasticity theory and statistical mechanics
- Analytical and computational approaches to lattice models and the real-space renormalization group
- Experiments on the manufacture and self-assembly of 3D-printed colloids
- Experiments and data analysis on protein aggregation

The experimental projects will be conducted jointly with Olivia du Roure and Julien Heuvingsh (ESPCI) and Monika Spano (U. Grenoble-Alpes), respectively. Theoretical projects will include ample opportunities for experimental collaborations. More details at

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

The postdoc will join a dynamic group spearheading research at the Soft Matter/Biology interface in two world-class institutes, one focused on theoretical Statistical Mechanics and the other on experimental Soft Matter, Hydrodynamics and Biophysics. The position presents ample opportunities for strong interactions with local and international collaborators. **Autonomous interactions** and the **development of creative independent projects** are encouraged. Teaching and outreach opportunities are available to those interested.

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 hosting laboratory, LPTMS, is joint unit of CNRS and Université Paris-Sud with a markedly international atmosphere. Located in Orsay, it is **30 minutes away from central Paris via a frequent, direct commuter train**. Depending on the project, **the postdoc may spend a significant fraction of her or his time at PMMH**, an ESPCI laboratory located **in central Paris** where the PI has a secondary office.

The net salary for the position ranges between 2320 €/month and 3300 €/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 **preferably in the Fall of 2023**, although earlier as well as later appointments are also possible. Review of applications will continue until the positions are filled. The successful candidate will hold a Ph.D. by the start date and have strong background and research achievements in a field related to the project of interest. Applications will comprise the names of three references, an application letter, a CV and a publications list including preprints. Informal inquiries welcome.

Contact:

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