



Postdoctoral position available

We welcome applications from candidates interested in **computational modelling of soft materials**, especially welcome (but not limited) are applications from candidates with an **experience and interest in simulations of liquid crystals**.

The fellow will join into a larger entity of “Soft Matter and Biophysics team” in the Laboratoire Ondes et Matière d’Aquitaine (LOMA) in the University of Bordeaux (France), where the PI (Lintuvuori) is placed. The wider group is interested in many aspects of soft condensed matter and biophysics, including flow of granular materials, small scale turbulence and flow of complex fluids (<https://www.loma.cnrs.fr/equipe-t-in/>). LOMA is located at the Talence campus of the university, with a direct tram link to the historic city centre of Bordeaux.

The project is funded by the Initiative d’excellence de l’université de Bordeaux (IdEx Bordeaux). It offers a stimulating environment and, in addition to the numerous in-house interactions, it offers the possibility of both international and experimental collaborations.

The primary focus of the project(s) is the hydrodynamic modelling of liquid crystals using lattice Boltzmann method. Possible questions include flow of liquid crystals in confinement and/or hydrodynamics of complex emulsions/droplets (where the components can be either active or passive). It is also possible to consider project(s) in wider concept of out-of-equilibrium soft materials, for example the hydrodynamics of microswimmers. The project(s) will be carried out in collaboration with Juho Lintuvuori.

The position is for a duration of 2 years starting from January 2018. Candidates should have a PhD by the start date (or have submitted their thesis) and have a strong background in simulations of soft materials. Candidates with an experience in simulations of liquid crystals are strongly encouraged to apply.

Application consists of a CV, full publication list, a cover letter and the contact details of three references. These should be send to Juho Lintuvuori (juho.lintuvuori@u-bordeaux.fr) preferably in pdf format.

Informal enquiries are welcome.

Contact:

Juho Lintuvuori - [juho.lintuvuori at u-bordeaux.fr](mailto:juho.lintuvuori@u-bordeaux.fr)

<https://www.loma.cnrs.fr/juho-lintuvuori/>

