

Master 2: *International Centre for Fundamental Physics*

INTERNSHIP PROPOSAL

(One page maximum)

Laboratory name: Matière et Systèmes Complexes
CNRS identification code: UMR 7057
Internship director's surname: Tailleur
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Web page: <http://www.msc.univ-paris-diderot.fr/~jtailleur/>
Internship location: Laboratoire MSC, Université de Paris

Thesis possibility after internship: YES

Funding: NO

If YES, which type of funding:

Collective behaviours of active mixtures

This project aims at addressing the fate of active-matter phenomenology when one moves away from the idealized, single-component systems which have been the workhorse of the community so far. More details can be found here:

<http://www.msc.univ-paris-diderot.fr/~jtailleur/Mixtures.pdf>

Please, indicate which speciality(ies) seem(s) to be more adapted to the subject:

Condensed Matter Physics: YES Soft Matter and Biological Physics: YES

Quantum Physics: YES

Theoretical Physics: YES