



Offer Master 2 Stage

Project: **“On the fly multi-scale simulations of biological systems”**

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A master 2 stage is possible in the laboratory of theoretical biochemistry at the IBPC Paris. The project is intended to develop a scheme for on-the-fly multi-resolution simulations of biological systems. The scheme will be implemented in the framework of Lattice Boltzmann Molecular Dynamics simulations currently developed in the host laboratory. The scheme to navigate multi-resolutions will explore algorithm-based as well as AI guided solutions.

The master student will benefit from the on-going collaboration with S. Melchionna (CNR, Rome). The interested students can contact Fabio Sterpone (fabio.sterpone [at] ibpc.fr) and visit the group [homepage](#) to explore the current topics of research.