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Research period available at the Laboratoire de Biochimie Théorique (IBPC, Paris)

An internship is open for Master students in the group of F. Sterpone at the LBT/IBPC in Paris. Our research focuses on the development of multi-scale methodologies for biomolecular simulations. The interested student can select one of the following subjects:

1. Implementation and application of an on-the-fly multi-resolution simulation scheme (collaboration with S. Melchionna at Lexma Technology and C. Pierleoni at Univ. Aquila)
2. Refining a coarse-grained model for membrane proteins (collaboration with P. Derreumaux and M. Baaden at LBT)
3. Multi-scale modelling of neuronal activity (collaboration with D. Holcman at ENS) or blood coagulation (collaboration with S. Melchionna at Lexma Technology)
4. Development of an enhance sampling scheme for different temperatures

Candidate: The candidate for this position is expected to be strongly motivated by MD-simulations, biophysics, analysis and biological sciences. He/she should have a background in simulations, theoretical chemistry, physics or applied mathematics. The candidate should be passionate by her/his research. Students are encouraged to write a publication at the end of the training period. We strongly encourage student motivated to continue on a PhD thesis. The group has a strong tradition in training students that are joining top international institutions.

Contact information:

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