

PhD position in Computational Biology

We are looking for a curious and enthusiastic PhD student to be enrolled in a joint programme with the University of Padova (UniPD) and the École Normale Supérieure in Paris (ENS). The PhD student will work mainly at the BioComputingUP lab in the Dept. of Biomedical Sciences at UniPD (<http://protein.bio.unipd.it/>) with short missions in Paris at the UMR Pasteur, Dépt. Chimie at ENS (<https://www.chimie.ens.fr>) and Sanofi (<https://www.sanofi.com/>). The position is computational and fully funded for 3 years by Sanofi. The supported project aims at the modelization of antibody viscosity and aggregation.

The student is expected to apply integrative and machine-learning approaches to identify antibody viscosity and aggregation relevant features. The project will be co-supervised by Prof. Silvio Tosatto (UniPD), Dr. Christophe Tribet (ENS) and Dr. Catherine Prades (Sanofi Pharma).

The ideal candidate should have an interest in either biophysics or structural biology, and a strong will to work in a multidisciplinary environment, which includes pharmaceutical scientists, biologists and computer scientists. Candidates should hold a degree in bioinformatics, data science, computer science or statistics. Highly motivated candidates with a degree in biological or related disciplines are also accepted. Good Python and knowledge of statistics is desirable. Previous experience in the field of structural biology is a plus.

The BioComputingUP group at UniPD offers a dynamic, collaborative environment in which the student will benefit from constant exposure to seminars and journal clubs.

The funding covers tuition fees, equipment, travel to conferences and periodic visit to Sanofi and ENS in Paris and a competitive salary.

Tentative starting date is December 2019 / January 2020.

If interested, please send a CV and a short letter highlighting your background and your motivation to biocomp@bio.unipd.it.