WE ARE HIRING A COMPUTATIONAL BIOCHEMIST/BIOPHYSICIST

JOB DESCRIPTION

Sibylla Biotech is looking for an outstanding and highly-motivated computational biochemist/biophysicist to join its multidisciplinary team located in Trento (Italy). The company, Sibylla, is the exclusive licensee of an innovative technology named Pharmacological Protein Inactivation by Folding Intermediate Targeting (PPI-FIT), which enables the identification of small molecules that promote the degradation of a target protein by interfering with its folding pathway. Such a new technology paves the way for selectively degrading previously undruggable proteins. The application of our computational platform enables the characterization of previously unexplored protein conformations (folding intermediates) that can be exploited as new drug targets. The computational methods developed by Sibylla Biotech have recently been used to develop new pharmacological strategies for prion diseases [Spagnolli et al. 2021] and for COVID-19 [Massignan et al. 2021].

YOUR ROLE

You will be responsible for Sibylla's production and services pipeline. You will employ Sibylla's computational platform to perform molecular dynamics simulations of protein folding and analyze the results. You can also be involved in the development of new tools to be included in the company's pipeline.

Your tasks will primarily include:

- production and analysis of molecular dynamics simulations of protein folding;
- reporting activities;
- improvement of the production pipeline;
- participation in scientific meetings for the dedicated tasks.

IDEAL CANDIDATE

The ideal candidate should hold a Master's degree in physics, chemistry, biotechnology, biochemistry or computational biology. A PhD in related fields is desirable but not mandatory. The requirements for eligibility are:

- strong background in protein biochemistry and biophysics;
- strong experience in the use of molecular dynamics simulation software;
- experience in working with the UNIX environment and with cluster computers;
- knowledge of scientific python and data analysis tools;
- proficiency in English, level C1 or above

High predisposition to problem-solving, marked enthusiasm for research and creativity, and willingness to work in a team are also mandatory

WHAT WE OFFER

You will be part of a highly cross-disciplinary environment. Scientists in our company come from diversified scientific areas, such as theoretical physics, computer science, medicinal chemistry and biology. You will have opportunities to break new grounds. Our company is fast-growing, which means there will be excellent opportunities for promotions. You will be given responsibilities and we will fully support your professional growth, always giving extreme importance to your personal needs. Last but not least, we also offer a competitive salary. Sibylla Biotech is an equal opportunity employer, freedom from discrimination is a fundamental human right.

Start of the activities: July - September 2022.

HOW TO APPLY

Interested applicants should submit a cover letter including research accomplishments and interests, CV, and contact information of at least two professional references to hiring@sibyllabiotech.it,, specifying 'Computational biochemist/biophysicist' in the mail object.