

Designation: Computational Biologist

TeOra is a next-gen biotech company on a mission to make the world sustainable, natural where we provide alternatives to harmful chemicals through completely natural products synthesized in cell factories. Our first goal is to replace the chemicals in food with natural and sustainable solutions.

You know that yeast can brew some of your favorite beverages, we are using these same tiny organisms to make many different proteins, peptides that can replace artificial chemicals in a completely natural and sustainable manner.

We are looking for a passionate and creative person to join our team who is excited to work in a fast space startup. The main role would be to simulate protein structures and identify the most optimised structure.

Key Responsibilities:

- To work in a fast-paced, interdisciplinary team towards integrated protein design.
- Develop computational hypotheses using molecular modeling tools for engineering thermostable proteins and peptides, T-cell & B-cell antigen epitope prediction.
- Working closely with experimental biologists to support design of proteins and peptides using computational approaches.

Educational Qualification:

Master (completed or ongoing) in Computational Biology, Bioinformatics, Computational Chemistry or Computational Material Science with in-depth understanding of protein structure and dynamics.

Technical Skills

- Excellent grasp of bioinformatics and computational techniques relevant to protein structure and dynamics.
- Familiarity with opensource or commercial modeling tools such
- Experienced with
 - Computational techniques relevant to structural modeling of peptide/ protein/antibody systems, and docking.
 - Ability to perform molecular dynamics or Monte Carlo simulations is highly desirable.
 - Proficiency in a scripting language (Perl, Python), Unix/Linux, shell scripting is highly desirable.
 - Familiarity with HPC environments is highly desirable.
 - Experience with designing/modeling protein/peptides *in silico* for therapeutic purposes would be an added bonus.

Please write to contact@teora.life