Assistantship in Computational Biologist

**Work Directly with Professor Indira Ghosh,
pioneer in systems biology & bioinformatics in India
Attractive compensation**

APPLY BEFORE 20th OCTOBER, 2021

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 prevent diseases in plants and animals. This will prevent losses, increase our food production by at least 30% and avoid use of antibiotics, pesticides and other harmful chemicals that enter our food.
You know that yeast can brew some of your favourite 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-paced startup.

Key Roles:
- 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:
Undergrad/**Master/**PhD. in Computational Biology, Bioinformatics, Computational Chemistry with in-depth understanding of protein structure and dynamics. Do apply even if you are completing your degree!

Technical Skills
- A good grasp of bioinformatics and computational techniques relevant to protein structure and dynamics.
- Familiarity with opensource or commercial modeling tools such as MODELLER, GROMACS, NAMD, Schrodinger suite (Maestro/Bio Luminate/Material Science), MOE, Pipeline Pilot tools, etc.
- Thorough with
  - Computational techniques relevant to structural modeling of peptide/protein/ antibody systems, and docking.
  - Ability to perform molecular dynamics/Monte Carlo simulations is desirable.
  - Proficiency in a scripting language (Perl, Python), Unix/Linux, shell scripting is highly desirable.
  - Familiarity with HPC environments is highly desirable.
  - Prior experience would be a bonus.

Contact us at jobs@teora.life, rishita@teora.life

Traineeship and internships also available, do indicate in the title of your email.