

One postdoctoral position will be available from April 2019 in the Structure-based Ligand Discovery and Design group led by Dr. Hao Fan at the Bioinformatics Institute (<http://www.bii.a-star.edu.sg/research/bmad/slidd.php>), A*STAR Singapore. Fan lab focuses on developing computational methods to study protein-ligand interactions, applying to GPCRs, transporters, and enzymes.

Positions Available

Postdoctoral Research Fellow (Computational Biology & Computational Chemistry)

We are seeking one experienced research fellow (both senior and junior levels are fine) starting April 2019 who will use a wide range of computational techniques especially protein structural modelling and molecular docking to predict/design proteins/ligands and study molecular mechanisms.

Requirements:

1. PhD in computational biology, broadly defined
2. Strong expertise in protein structural modelling and molecular docking
3. Experience in machine learning methods of protein-ligand interactions is preferred
4. Experience in QM calculation of enzyme reactions or MD simulation of membrane proteins will be a plus
5. Strong problem-solving skills and able to work independently, experience in method development is preferred
6. Strong programming/scripting skills and English language skills
7. Experience in teamwork (e.g. collaboration with experimental labs) will be a plus

Application Procedures:

Applicants should send a single pdf containing a one-page cover letter describing prior research/work experience and accomplishments, and a full resume, to Fan (fanh@bii.a-star.edu.sg).

Only shortlisted candidates will be notified.