

Postdoc/PhD/Master positions in computational biology and modern drug discovery

Position descriptions

Several positions for research associate scientists, postdoc/PhD/Master are available in Prof. Yuan's group (<http://www.gpcrm.org>) at the Shenzhen Institute of Advanced Technology (SIAT), Chinese Academy of Sciences. The working place is located in Shenzhen, a modern and international city next to HongKong. SIAT focuses on highly interdisciplinary research with strong financial support from the local government.

The open positions focus on computational biology and modern drug discovery, covering AI tool development, using molecular simulations to understand biological mechanisms, rational protein design, computer-aided drug discovery and many others.

The research group aims at establishing a complete modern drug discovery pipeline leading by computational biology. A new modern drug discovery center will be led by Prof. Yuan. Multidisciplinary subjects will be combined with other leading scientists in the institute. Candidates with biology, chemistry, biotechnology or computer science background are strongly welcome. All the candidates should send their applications to email address: shuguang.yuan@siat.ac.cn, including CV (full name, gender, date of birth, education experience, publication list), research interests and the contact information of two referees.

Requirements:

1. The postdoc candidates must NOT be older than 35 years old, unless he/she has worked outside of his home country as a postdoc for at least 2 years AND has at least one first-author publication in JCR zone 1 journal (with IF>10) in the last 5 years.
2. For computational biology, candidates should have experience in molecular simulations, computational drug discovery, rational protein design or system biology. Experiences in organic synthesis or structural biology are also welcome. Experience in Kinme workflow is a plus.
3. For the computational tool development, programming experience in Python, C/C++ or Java is compulsory.
4. For the biochemistry or structural biology, experience in membrane proteins (such as GPCR or ion channel) or enzyme catalysis would be ideal. This will be co-supervised by both Prof. Horst Vogel (from EPFL, Switzerland) and Prof. Shuguang Yuan.
5. **For international PhD/Master students**, it would be compulsory to apply for the Chinese government scholarship or other ones successfully first. More detailed information can be found [here](#) and [here](#). Please choose "**236 University of Chinese Academy of Sciences**" as your targeted university when you fill in the online application system. You should be able to find "**Shenzhen Institute of Advanced Technology**" in the list. The deadline is normally March 31 each year. There are also other scholarship as well, please find more information from [here](#).

Candidates should provide English or Chinese proficiency certificate as well. Healthy examination should also be provided using this [form](#).

Salary and benefits

The glossary salary for a postdoc is in the range of 300-700K RMB (\$45-110K) per year, according to the qualification of the candidate.

The institute also provides many benefits for the family of the candidates such as social insurance, retirement pension, kindergarten and school for the children and many others. The research group will also provide opportunities for attending international conferences/workshops each year as well.

About SIAT

[The Shenzhen Institutes of Advanced Technology \(SIAT\)](#) of the Chinese Academy of Science (CAS) was jointly established by CAS, the Shenzhen municipal government and the Chinese University of Hong Kong in February 2006, comprise 8 institutes and numerous other labs and facilities. SIAT aims to enhance the innovative capacity of the equipment manufacturing and service industries in the Guangdong-Hong Kong region, promote the development of emerging industries possessing their own proprietary intellectual property, and become a world-class industrial research institute.

It also hosts 9 national innovation labs, 26 key labs and platforms at the provincial level and 79 key labs and platforms at the municipal level. Over the past 12 years, SIAT has made significant achievements in human resource development, academic research and technology commercialization. SIAT's staff is over 1376, as well as more than 1077 students. Among SIAT's staff are 14 IEEE fellows, 2 CAS academicians, 12 fellows of the National Thousand Talents Program and three Leading Scientists of Guangdong. A total of 32 researchers from SIAT have been selected as CAS Hundred Talents Program fellows. Furthermore, over 500 of SIAT's scientists have a doctoral degree and 502 have overseas study or work experience.

To meet the nation's needs in healthcare and manufacturing, SIAT focuses on emerging industries such as low-cost healthcare, service robots, electric vehicles, cloud computing, digital cities, nano-medicine, new energy and new materials.

SIAT has established partnerships with more than 1000 firms including Huawei, Midea and China International Marine Containers (Group) Ltd., among others. It has attracted over 2000 million RMB of industrial investment and incubated 727 high-technology companies.

SIAT is an equal opportunity employer. We don't have any bias on race, color, religious belief, sex, age, national origin, citizenship status, marital status, union status, sexual orientation, or gender identity.