

Sun Yat-Sen University (SYSU): Please help us to build an extraordinary new international program in Shenzhen!

Established in 1924 by Dr. Sun Yat-sen, the founding father of modern China, Sun Yat-sen University has fostered an exceptional learning environment and a favorable academic atmosphere during its development of over 90 years. It is a top-tier comprehensive research university recognized both at home and abroad for its remarkable strengths in a wide range of disciplines, including the humanities, natural sciences as well as engineering and medical sciences. Driven by the construction of its Shenzhen Campus, Sun Yat-sen University is now presented with new opportunities for growth and is gathering the leading talents to push forward the construction of big platforms, big research teams and big projects. The University is striving to achieve its goal of becoming a world-class university and developing world-class disciplines in accordance with the national major strategic needs, the international academic frontiers and the national and regional economic and social development.

Adjacent to Hong Kong and the South China Sea, Shenzhen is a beautiful coastal city in Guangdong Province and recognized in China as one of the most innovative and dynamic cities. It has successfully built up its four pillar industries, i.e., the industries of high and new technology, modern logistics, finance and culture, and six strategic emerging industries, i.e., the industries of biology, internet, new energy, new materials, cultural creativity and new generation information technology, all of which are with booming development. In 2015, the Municipal Government of Shenzhen and Sun Yat-sen University signed a collaborative agreement, aimed at jointly building the Shenzhen Campus in accordance with the criteria of a world top-tier university. The Shenzhen Campus is located in the Guangming New District of Shenzhen City with an area of 340 hectares and will be put into use in 2019. The main disciplines on this campus will be medical science and engineering while a relatively complete academic system together with the disciplines of humanities and natural sciences will be steadily constructed and a talent cultivation system from undergraduate to doctoral programs will be established. In the coming decade, the Shenzhen Campus will become one of the Asia-Pacific region's most important and internationally influential "active zones" for innovation as well as one of the new "growth cones" of Sun Yat-sen University in its mission to establish itself as a top-tier international university.

The number of permanent faculty on the Shenzhen Campus will surpass 2,000 by the end of 2024, which will include academicians of the Chinese Academy of Sciences and Chinese Academy of Engineering, Chang Jiang Scholars, Overseas academic talents, National Science Fund for Distinguished Young Scholars recipients, Thousand Young Talents Program recipients, and other outstanding young scholars. Meanwhile, the number of students will surpass 20,000, including 12,000 full-time undergraduate students.

I. Top Job Openings: School of Pharmaceutical Sciences (Shenzhen), Sun Yat-sen University, China.

The School of Pharmaceutical Sciences (Shenzhen) is one of the first schools to be established on the Shenzhen Campus. We are actively recruiting for a large number of faculty positions at all levels. We seek exceptional candidates to develop and conduct basic and/or translational research in areas of including but not limited to 1) innovative molecular and systems pharmacology, chemical biology, pharmacogenomics, drug discovery/drug development sciences, and therapeutic engineering; 2) stem cell biology, neuroscience, immunology, biochemistry and molecular medicine; 3) developing enabling technologies for target identification and validation, disease modeling, functional genomics, imaging, computational modeling and informatics, design and engineering of genome/proteins/cells/tissues, drug formulation and

drug delivery, and molecular pharmaceuticals; and 4) understanding and targeting diseases such as cancer, neurological disease, cardiovascular and metabolic disease, and immune disorder.

Applicants are expected to manage an independent research program in their fields and be committed to excellence in teaching at both undergraduate and graduate levels. Candidates for tenured positions must be established scholars with national and international recognitions.

Our new School aims to integrate the wisdom of both modern biomedical sciences and traditional Chinese medicine, create an attractive, international, English-speaking environment, and emphasizes high quality research and strong scientific expertise, along with international standards, advanced interdisciplinary studies, innovation and entrepreneurship, integrity and social responsibility. We welcome qualified individuals of any ethnic background, regardless of nationality. We are a mission-driven organization and encourage our investigators to solve grand challenges. We value excellence, diversity, collaboration, and creativity. We provide exciting career opportunities for people at all levels, and engage them to reach their full potential. At SYSU-Shenzhen, the sky is the limit.

We offer internationally competitive salaries and benefits. We provide ample startup resources for equipment and personnel. We leverage an entirely new campus to create a unique environment of cross-disciplinary collaboration, technical leadership, teamwork, and creative excellence. We strive for impactful science in a collaborative and collegial environment. We consider career development core to our mission. Our researchers will fully benefit from the deep connections to premier academic labs, hospitals and biotech/pharmaceutical companies in an established biomedical environment. Qualified candidates for the National Thousand Talent Program, the Peacock Program or other talent programs will receive additional support from the central and municipal governments.

Positions:

1. 1000-Talent Program
2. Chang Jiang Scholars Program
3. 100-Talent Program of Sun Yat-sen University
4. Research Fellows Program of Sun Yat-sen University
5. Postdoctoral Researchers Program of Sun Yat-sen University

II. Multiple Positions Available in Stem Cell Technology/Neuroscience/Drug Discovery in the Laboratory of Dr. Wenbin Deng, Professor and Dean, School of Pharmaceutical Sciences at Sun Yat-sen University (Shenzhen, China) (dengwb5@mail.sysu.edu.cn)

We have established a stem cell/tissue engineering/disease modeling program aimed at promoting collaborations among investigators to develop, establish, and disseminate individualized human disease models for personalized medicine research. We are recruiting outstanding scientists and staff into the program. We seek applications from qualified candidates with expertise in human induced pluripotent stem cell (iPSC) technology to our established stem cell/neuroscience research team. Candidates with a strong background in cell, molecular and systems biology also are encouraged to apply. Our mission is to tackle the key challenges that currently impede the translation of the iPSC technology for disease modeling, drug discovery and regenerative medicine applications.

We are looking for highly motivated, open-minded and collaborative applicants in Stem Cell/Genome Editing/Neuroscience. Human iPSC or CRISPR-Cas9 genome editing experience is preferred.

The selected candidate will work in a highly creative environment, focusing on important aspects of human cellular models and tissue biology using cutting-edge technologies (e.g., 3D organoid culture, single-cell analysis, deep sequencing, chemical biology, mass spectrometry, patch-clamp electrophysiology, and high resolution imaging techniques). The selected candidate will establish new standards, quality controls, improved protocols and other resources for the iPSC/neuroscience field. We will provide access to state-of-the-art technologies for imaging and modelling of tissues and organs, including a facility to grow organoids, mini-versions of human organs produced in vitro. We will also use computers to model diseases in iPSC-derived tissues and organoids. The selected candidate will join a multidisciplinary team of innovative scientists with expertise in assay development, neuroscience/glial biology, drug screening, drug discovery, medicinal chemistry, compound management, innovative pharmacology, “-omics” technologies, bioinformatics, biomaterial engineering, nanotech and drug delivery.

The ideal candidate should have an excellent publication record in high-impact journals. S/he will be expected to work independently as a problem-solver. S/he will keep accurate and complete records of all scientific experiments according to established procedures and ensure that these records and raw data are properly retained. S/he will draft manuscripts and patent applications and present work internally and externally as needed. S/he is expected to have a strong background in stem cell biology/engineering technology, drug discovery, neuroscience/glial biology, cell and tissue engineering, cell signaling, or quantitative biology. S/he should be a team player with high scientific standards and possess the ability to work in an interactive, fast-paced environment. S/he is expected to be self-motivated to learn new technologies and be familiar with the methods and concepts of stem cell technology and regenerative medicine.

Please send a cover letter, curriculum vitae, and the contact information of at least three references to:
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