The fibroblast growth factor (FGF) family is comprised of a group of structurally related protein ligands that signal through FGF receptor tyrosine kinases (FGFRs) to carry out a plethora of vital functions in development, metabolism, tissue homeostasis and repair after injury. Historically, translational research of FGF/FGFR has focused on the oncology aspect in the West, whereas the research team led by Prof. Xiaokun Li based at both Wenzhou Medical University and Wenzhou University is devoted to FGF biotechnology and the delivery of engineered clinical grade FGFs for tissue repair and regeneration.

The FGF family consists of 18 mammalian FGFs divided into 6 subgroups on the bases of their sequence homology, phylogenetics and structural characteristics. Five of the subgroups are considered canonical FGFs capable of high affinity binding to heparin sulfate (HS) and acting locally as paracrine molecules. The potential of FGFs in promoting cell proliferation, survival, angiogenesis, migration, and differentiation, have been explored for therapeutic applications in the setting of tissue repair/regeneration and also cancer therapy. Li’s team, which started from Jinan University, Guangzhou, overcame several major bottlenecks for FGF protein engineering and recombinant production such as poor protein solubility and stability, enabling them to develop and license the first FGF protein drug (FGF2) in the world for clinical use. The clinical trial of the topical FGF2 biologics, led by Prof. Xiaobing Fu and first reported in the Lancet, proved its beneficial effect in accelerating healing of burn wound, skin flap transplantation, and diabetic ulcers. As of June 2017, in China alone, FGF biologics have been used in 80 million cumulative patients/cases with great clinical and socioeconomic benefit. Importantly, the safety record of this treatment has been excelling; during a 20-year period post-FGF treatment of clinical follow-up, no excessive hyperplasia or major adverse effects have been observed. The FGF biologics have transformed the clinical practice of trauma management from the traditional anti-infection and anti-inflammation therapies to include FGF-induced coordinated pro-active repair and functional regeneration. In the past 10 years, Li and his colleagues have also successfully developed novel formulations for FGF1 and FGF2, as well as FGF7 and FGF10 biologics, which are currently in different phases of clinical evaluation.

The endocrine FGFs are relatively new members of the FGF family with much reduced affinity toward HS and activate FGFRs with Klotho as a cofactor and exhibit distinct regulatory activity in various metabolic processes including glucose, lipid, bile acid, vitamin D and phosphate metabolism and energy homeostasis. These atypical FGFs, as exemplified by FGF21, present therapeutic potentials for a myriad of major metabolic diseases such as diabetes, obesity, cardiovascular and renal diseases, amongst others. Besides the aforementioned paracrine FGFs, Li’s team has also undertaken major effort on basic and translational research on endocrine FGFs, particularly FGF21. Li and his colleagues first discovered the role of adiponectin in mediating the metabolic effect of FGF21 on energy metabolism and insulin sensitivity, as well as protection against atherosclerosis. Currently the team has completed preclinical studies and is in the process of applying for CFDA approval for clinical trial on FGF21 for the treatment of diabetes. In collaboration with Prof. Mohammadi from New York University, Li’s team provides structural insight into the activation of Phospholipase C by the concerted action of two FGF receptor molecules. More recent studies from Li’s team have unveiled unexpected therapeutic activity of FGF1 toward diabetic nephropathy and demonstrated that mitogenic and metabolic activities can be uncoupled by tuning FGF1/FGFR dimer stability. These mechanistic findings will likely lead to future drug discoveries targeting FGFs for the treatment of a variety of human diseases. A non-mitogenic mutant FGF1 formula is also under preclinical evaluation for the treatment of Type 2 Diabetes.

Over the past two decades, the Wenzhou FGF team has grown into one of the largest research team in the world exclusively dedicated to FGF basic and translational research with their clinical application as an ultimate goal. The therapeutic modalities using FGF formulations have evolved from the initial external and topical administration to implantable medical device as well as injection. The clinical indications have expanded from trauma and diabetic ulcer treatment, to neurological repair/regeneration. In the immediate future, FGFs will also be instrumental in the treatment of major metabolic diseases, such as diabetes and atherosclerosis. Armed with the rich and validated experience of “Chinese Style” protein drug development, the Wenzhou FGF team and its network of international collaborators, which together constitute the “Wenzhou FGF family” is pushing ahead to make significant contributions to translate FGF research discoveries into clinical application in the years to come.
UNIVERSITY OF SOUTH CAROLINA
TENURE-TRACK ASSISTANT PROFESSOR

The Department of Pathology, Microbiology, and Immunology at the University of South Carolina’s School of Medicine invites applications for a tenure-track ASSISTANT PROFESSOR position with expertise in Immunology. The successful candidate is expected to develop a strong extramurally funded research program complementing current faculty research interests (http://pmi.med.sc.edu/), and participate in teaching. The department is currently ranked in the top 15 among Pathology departments in the nation in NIH funding, and hosts several NIH-funded Research Centers including the Center for Complementary and Alternative Medicine as well as the Center of Biomedical Research Excellence on Dietary Supplements and Inflammation. The department and Centers provide excellent mentoring and research opportunities for junior faculty. Candidates must have a Ph.D. or equivalent, and at least 3 years of postdoctoral research experience. Competitive salary and startup funds are available. Please submit curriculum vitae and a statement of research and teaching interests with names of 3 references to Dr. Mitzi Nagarkatti, Chair, Department of Pathology, Microbiology, and Immunology, University of South Carolina School of Medicine, Columbia, SC 29208 or e-mail: immunology@uscmed.sc.edu. The search will start immediately and will continue until the position is filled. USC Columbia is an EOAA Employer and encourages applications from women and minorities and is responsive to the needs of dual career couples.

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Established in 1951, Southern Medical University (SMU), a national key university, was originally the First Military Medical University, PLA in August 2004. It was handed over to the local government of Guangdong Province and renamed as Southern Medical University. In Guangdong Province, SMU is the only medical university which ranks as one of the Ministry-Provincial Co-constructed Medical Universities as well as Provincial Perspective High-Level Universities. SMU is currently comprised of 2 campuses (main campus and Shunde campus) and 11 affiliated hospitals, covering 7 disciplines including medicine, technology, engineering, literature, management, law and economics. SMU has 10 first-level disciplines with authorization of doctoral degree, 5 post-doctoral research stations, 5 state-level key prospective disciplines, 17 state-level key clinical specialties, 6 state-level key disciplines on TCM. According to recent statistics, including clinical medicine, pharmacology & toxicology, biology & biotechnology, neuroscience & behavior of SMU have been ranked top 1% of ESI. SMU houses 1 national key laboratory and 1 national clinical research center.

The mission of SMU is to develop a national leading medical university in advancing human health through the integration of research, education, patient care, and community service. To achieve the goal of building a high-level university, SMU spares no effort to implement the strategy of “strengthening universities with more talented people” in order to greatly enhance the core competitiveness of talents and sustainable development capacity and to further strengthen the support for the introduction and training of outstanding personnel. For this purpose, the university is now recruiting high-level talents worldwide. (Please check http://portal.smu.edu.cn/rcb/zpxx/gg.htm for more details.)

**Discipline Requirement**
- Candidates are expected to major in Basic Medicine, Clinical Medicine, Biomedical Engineering, Pharmacy, Public Health, Biotechnology, Biology, Stomatology, etc.

**Types and Qualifications**
- There are 2 types of high-level talents introduction in SMU: full-time and part-time.
- We are looking for academicians from Chinese Academy of Sciences, Chinese Academy of Engineering and world-renowned academic institutions (or equivalent); distinguished/leading talents of “National Special Support Program”, members of “Thousand Talents Program”, distinguished/leading professors of “Cheung Kong Scholars”, grantees of “The National Science Fund for Distinguished Young Scholars”, tenured professor of world-renowned universities (or equivalent); outstanding young talents of “National Special Support Program”, members of “Thousand Young Talents Program”, young scholars of “Cheung Kong Scholars”, grantees of “The National Science Fund for Excellent Young Scholars” (or equivalent); talents with innovative papers published on the world-class journal as the first author/corresponding author.

**Treatment**
- SMU offers competitive remuneration package and research start-up fund for every position accordingly.

**Application Process**
- Please send a resume to smurcb@126.com

**Contact Us**
- High-level Talent Office, Southern Medical University [http://portal.smu.edu.cn/rcb]
- Tel: 0086 20 61648984
- Contacts: Mr. Li
- Email: smurcb@126.com
- WeChat ID: smurcb
- Address: No. 1023, Shatian Nan Road, Guangzhou, China
- Post Code: 510515

Located in the Longgang District of Shenzhen, The Chinese University of Hong Kong, Shenzhen (CUHK(SZ)) is a research-intensive university, established in 2014 through a Mainland–Hong Kong collaboration with generous support from the Shenzhen Municipal Government. It inherits the fine academic traditions of The Chinese University of Hong Kong and will develop its academic programmes in phases and offer courses in Schools of Science and Engineering, Management and Economics, and Humanities and Social Science. English is the main language for course instructions, and the students will receive degrees of The Chinese University of Hong Kong. At present, several research centers have been established in the School of Science and Engineering, including Arih Washel Institute of Computational Biology, Koblika Institute of Innovative Drug Discovery, Hopcroft Institute for Advanced Study in Information Sciences, and Shenzhen Key Laboratory of Semiconductor Laser.

**Post Specification**
The School of Science and Engineering invites applications for multiple faculty positions at both senior and junior levels in the areas of Computer Science, Information Sciences, New Energy Science and Engineering, Material Science and Engineering, Physics, Robotics, Chemistry and Organic Chemistry, Bioinformatics, Computational Biology, Molecular Simulation, Computational Chemistry, Cell Biology and Molecular Biology, Structural Biology (in particular G-protein couple receptors), Pharmacology, Biomedical Science and Engineering, Statistical Science, Data Science, Mathematics, Financial Engineering, and Quantitative Finance. Applications in other areas will also be considered.

Junior applicants should have (i) a PhD degree (by the time of reporting for duty) in related fields; and (ii) high potential in teaching and research. Candidates for senior post (Associate and Full Professor) are expected to have demonstrated academic leadership and strong commitment to excellence in teaching, research, and services. Junior appointments will normally be made on contract basis for up to three years initially, leading to longer-term appointment or tenure later subject to review. Exceptional appointments with tenure will be considered for candidates of proven excellence. Applicants are encouraged to check the details about the university at [http://www.cuhk.edu.cn](http://www.cuhk.edu.cn).

**Salary and Fringe Benefits**
Salary will be comparable to international standards, commensurate with experience and accomplishments. Appointments will be made under the establishment of CUHK(SZ), and employee benefits will be provided according to the relevant labor laws of Mainland China as well as CUHK(SZ) regulations. Subsidies from various government sponsored talent programs will also be made available for eligible candidates [http://www.cuhk.edu.cn/UploadFiles/talentprogramoutline.pdf](http://www.cuhk.edu.cn/UploadFiles/talentprogramoutline.pdf)

Application package, including CV and contacts of three referees, as well as personal statements in teaching, research, and service, should be emailed to [Talents4SSE@cuhk.edu.cn](mailto:Talents4SSE@cuhk.edu.cn). Applicants are required to specify the rank of the position in their letter of application. Applicants also need to ask three referees to send the letters directly to [Talents4SSE@cuhk.edu.cn](mailto:Talents4SSE@cuhk.edu.cn) upon submitting application materials.
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7. Complete an interactive, personalized career plan at “my IDP.”
8. Visit our Career Forum and get advice from career experts and your peers.
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Chair, Department of Oral Health Sciences
James B. Edwards College of Dental Medicine

The Medical University of South Carolina invites applications for the position of Chair of the Department of Oral Health Sciences (OHS) in the College of Dental Medicine. The Department has a strong research portfolio with researchers studying craniofacial development, oral cancer, microbial pathogenesis and immunology, and bone regeneration. Research within the department is supported through multiple sources including the National Institutes of Health. The faculty also contribute to various aspects of the school’s educational mission including the training of both dental and graduate students.

The Chair of OHS will report to the Dean of the College of Dental Medicine. The successful candidate should have an appropriate terminal degree, is expected to provide leadership to the faculty, oversee development of the Department’s research program, administer departmental resources and financial operations, and ensure continued excellence in the education of dental and graduate students. The successful candidate would be expected to bring a robust, funded, internationally recognized research program related to oral health. Moreover, s/he would have a history of fostering collegiality and collaborative interactions, be a motivational leader, and have demonstrated success in mentoring faculty and students.

Candidates should submit a CV with a cover letter describing their vision of research and education, and explain their interest in acting as Chair of OHS. Applications should be submitted online through the link: http://careers.pageuppeople.com/756/cw/en-us/job/503512/univ-chair-of-the-department-of-oral-health-sciences-ohs. Applications submitted by February 5th 2018 will receive full consideration and will be reviewed on a rolling basis. Specific questions can be addressed to the Chair of the Search Committee: Dr. Stephen A. Duncan, (duncanst@musc.edu). Founded in 1824, The Medical University of South Carolina (MUSC) continues the tradition of excellence in education, research and patient care. MUSC educates and trains more than 3,000 students and residents in six colleges and has nearly 13,000 employees, including approximately 1,500 faculty members and annual research funding in excess of $250 million.

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Professor for Neurology with Focus on Translational Neurology in accordance with salary grade W2 of the State Renumeration Act (Landesbesoldungsgesetz)

The professorship will initially be for a period of six years and will be associated with the duties of a senior physician (Oberarzt) in the Neurological Clinic.

The Neurological Clinic has a particularly strong research focus in Neuroimmunology with a collaborative research center on Multiple Sclerosis and participation in the BMBF Competence Network Multiple Sclerosis. The successful candidate should establish a complimentary independent research program. The clinical and experimental focus is thematically open, but should build on the inflammatory focus of the clinic. Thus, the research subject can be neurological diseases for which inflammatory processes play a role, such as e.g., autoimmune encephalitis, neurooncology, stroke and others, but also multiple sclerosis. A thematic integration into local research structures (FTN, FZI) is expected. The professorship is intended to reinforce the focus of the clinic through the addition of an external candidate. Candidates returning from abroad are given appropriate support with regard to integration into the German (medical specialist and habilitation) system.

Prerequisites for the appointment are a successfully completed third-level education in human medicine, aptitude for teaching and a doctoral degree. An additional degree in the natural sciences is desirable. In addition, it is expected that the successful candidate has experience in the scientific supervision of staff, as well as an excellent publication record, application for competitive third-party funding and collaboration.

The professorship will involve comprehensive participation in teaching students. The willingness to assure academic training and demonstrable teaching competence are required for a successful application, as well as the habilitation or an alternative qualification according to § 49(1) no. 4a of the Higher Education Act of Rhineland-Palatinate.

All remaining conditions for employment are defined in § 49 of the German Higher Education Act of the State of Rhineland-Palatinate.

As part of its expanding research profile, the University Medical Center of the Johannes Gutenberg University of Mainz has established the Forschungs-zentrum Immuntherapie (FZI / http://www.fzi.uni-mainz.de) and the Focus Program Translational Neurosciences (FTN / http://www.ftn.uni-mainz.de). The German Resilience Center (DRZ / https://www.drz.uni-mainz.de/) has emerged from the FTN. Moreover, the FTN is part of a supregional structure, the Rhine-Main Neuroscience Network (mm2 / http://www.mm2.de), which coordinates the neurosciences in the Rhine-Main area. Within this network, there are currently several established collaborative research centers (CRCTR-128: Initiating/effector and regulating mechanisms of Multiple Sclerosis – from a new understanding of pathogenesis to treatment; CRC 1080: Molecular and Cellular Mechanisms of Neural Homeostasis; and CRC 1193: Neurobiology of resilient and stress-related mental disorders: from understanding mechanisms to promoting prevention, Speaker: B. Lutz).

The position constitutes a private law employment relationship to the University Medical Center of the Johannes Gutenberg University Mainz. The State of Rhineland-Palatinate, the Johannes Gutenberg University Mainz and the University Medical Center pursue a concept of intensive support for students and expect instructors to maintain a high presence. The University Medical Center of the Johannes Gutenberg University Mainz strives to increase the share of women in scientific managerial positions and therefore invites female scientists, in particular, to apply for the position. Disabled applicants with appropriate qualifications will be favored.

Please send your application with the usual documents (CV, degree and other certificates) in German or English, including proof of previous teaching experience, acquisition of external funding and publications to the

Scientific Director of the University Medical Center of the Johannes Gutenberg University Mainz
Univ.-Prof. Dr. U. Förstermann, email: bewerbung-um@uni-mainz.de,
telephone: +49 (0) 6131/17-9693

by 01.02.2018 (applications must be sent by email and, where possible, as a single PDF file).

Please also attach the completed form on research and teaching to your application. The form is available to download on our homepage or can alternatively be requested from the department of Research and Teaching.

http://www.um-mainz.de/rnl/ueber-uns/aktuelle-termine/stellenausschreibungen