

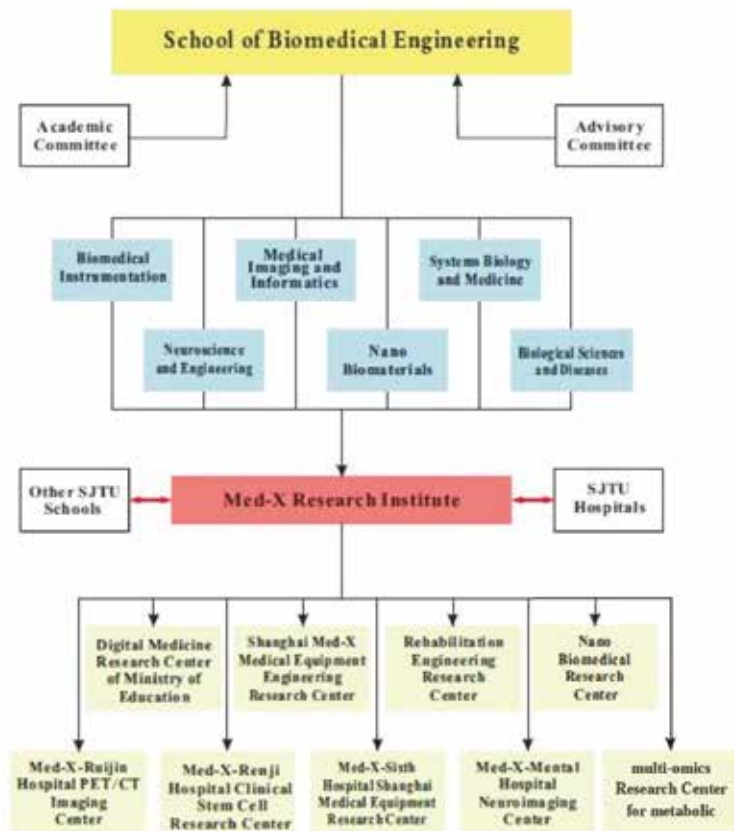


## Introduction

On April 8, 2011, the School of BME was established by the merge of SJTU Med-X Research Institute, an institute dedicated to interdisciplinary research on Medicine and Engineering/Physical Sciences, and the former SJTU Department of BME. With the combined resources, the School of BME has reorganized its research and educational programs with great emphasis on translational research and internationalization as its key developmental strategies towards international excellence.

The School of Biomedical Engineering offers the Ph.D. and Master's degree programs of Biomedical Engineering and Biology in the following areas: Biomedical Instrumentation, Neuroscience and Engineering, Medical Imaging and Informatics, Nano Biomaterials, Biological Sciences and Diseases, Systems Biology and Medicine.

# School of Biomedical Engineering



# Achievements

Our faculty members have received numerous accolades and honors, including membership in the National Academy of Engineering of China, Distinguished Professorship by both the national and municipal Thousand Talents Program, National Outstanding Young Investigators, and Cheung Kong National Distinguished Professorships. Among our faculty members, there are two Chief Scientists of "973 Project" National Basic Research Center Grants, which belong to the most significant center grants in China. Our faculty members have also been elected as the fellows of several major professional societies, including AAAS, ASME, AIMBE, and SPIE. A number of the faculty members have served as associate editors or members of the editorial board of international journals such as Nanomedicine, Stroke, Journal of Cytometry Part A, and IEEE Trans.

## More Information :

### An Introduction of BME

<http://bme.sjtu.edu.cn/CN/Default.aspx>

### Renowned Professors

[http://bme.sjtu.edu.cn/EN/teacher.aspx?info\\_lb=86&flag=19](http://bme.sjtu.edu.cn/EN/teacher.aspx?info_lb=86&flag=19)

### Program Admission

<http://en.gs.sjtu.edu.cn/Admission1.htm>

### Scholarship Application

<http://en.gs.sjtu.edu.cn/Scholarships1.htm>

### Dual Degree Program

[http://bme.sjtu.edu.cn/EN/content.aspx?info\\_lb=103&flag=23](http://bme.sjtu.edu.cn/EN/content.aspx?info_lb=103&flag=23)

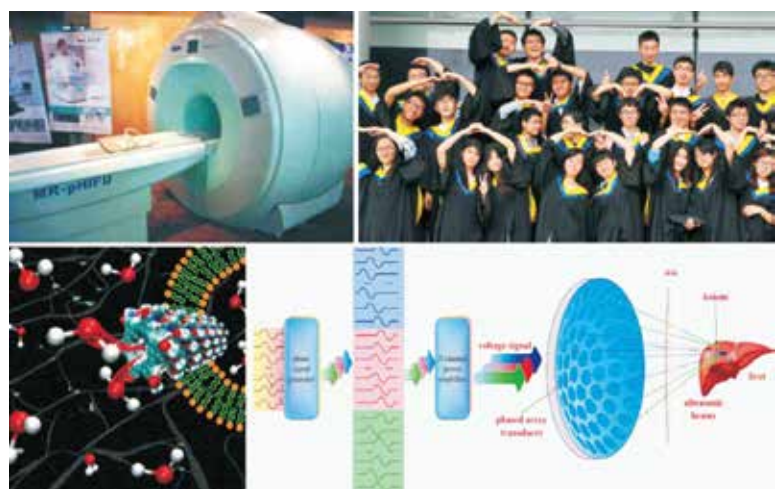
### International Exchange

[http://bme.sjtu.edu.cn/EN/content.aspx?info\\_lb=113&flag=24](http://bme.sjtu.edu.cn/EN/content.aspx?info_lb=113&flag=24)



## Courses offered in English ( more courses will be offered in English or bilingually )

Neural Control of Movements	Cell biological Photonics
Biomedical Optics	Systems Biology: concepts, methodologies and applications
Biomedical Signal Processing	Biomaterials and Tissue Engineering
Advanced Digital Image Processing	Techniques for Neuromodulation
Bioheat and Mass transfer	Computer Vision in Biomedical Engineering
Neuroimaging	Molecular Sensors and Nanodevices: Principles, Design and Applications in Biomedical Engineering
Computational Methods for Medical Imaging	Frontiers in Biomedical Engineering Seminar Series



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