

LifeST Overview:

College of Life Science and Technology (LifeST) was founded in 1980 at Huazhong University of Science and Technology (HUST). The College adheres to the intersection of science, engineering and medical research. It now consists of five departments, two national key disciplines, and one Experimental Teaching Center of Virtual Simulation.

Faculty

- 26% obtained their doctoral degree abroad
- 82% have international studying experiences for more than a year
- 9% international faculty

Core Disciplines

(Subject ranking in China by MOE-2017)
 Biomedical Engineering: A+
 Biology: A-

Research

LifeST is the first College in HUST to publish papers in top academic journals including Cell, Nature, and Science.



Research Center

International

- The Molecular Biophysics Innovation Base 2.0
- International Research Center for Sensory Biology and Technology of MOST
- International Research Center for Sensory Biology and Technology of MOST
- International Cooperation Research Base for Genetic Engineering of MOST
- China-Germany Max Planck Biophysics and Biochemistry Joint Laboratory
- China-US Joint Research Center for Human Genome
- China-France Joint Research Center for Drug Screening
- China-Korea Joint Research Center for Biomaterials

National

- Wuhan National Research Center for Optoelectronics
- National Engineering Research Center for Nanomedicine
- Key Laboratory of Molecular Biophysics of the MOE
- Key Laboratory of Biomedical Photonics of the MOE
- Online Collaborative Research Center for Biomedical Photonics
- Key Laboratory of Image Processing and Intelligent Control of the MOE
- Hubei Key Laboratory of Bioinformatics and Molecular Imaging

Learning in an International Environment

• 3 International Academic Conferences hosted by LifeST per year

| | | |
|------------|---------------|------------------------|
| Focused on | Rare Diseases | Nanomedicine |
| | Cancer | Cardiovascular disease |
| | Neurobiology | Biomaterials |



• Nobel Laureate lectures



Thomas C. Südhof

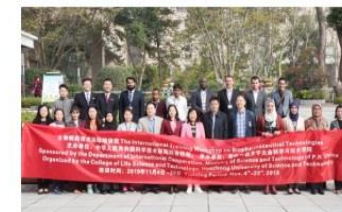


Erwin Neher



Tasuku Honjo

• Biopharmaceutical Technology International Training Class



18 trainees came from Indonesia, Uzbekistan, Pakistan, Mexico, Algeria, Egypt, Ethiopia, Morocco, Tunisia, Sudan, and Mongolia.

• International competition



2012-2019, students won 7 gold and 6 silver medals in ISEM and BIOMOD competitions.

• Summer School on Intelligent Signal Processing for Frontier Research and Industry (INFIERI)



HUST

Shanghai Ranking 2020 (Chinese universities) **8**

US NEWS Ranking 2020 (Chinese universities) **9**

QS World University Rankings 2019 Graduate Employability Rankings 2019 **7**

(Chinese universities) Employer-Student Connections Worldwide **No.1**

2

Campuses

470.5

Hectares

PROJECT DETAILS

Biomedical Engineering
(Four Year Program for International Students)

Degree: Bachelor of Engineering
Tuition fee: 30000RMB/year
Duration: 4 years

Features:

- The program offers students multidisciplinary education involving science, engineering, and medicine.
- Lectured by world-leading experts in subjects at the frontiers of science and biomedical engineering.
- Tailored programs based on personal interests.
- Multiple intern opportunities in related industry.
- A variety of employment and advanced education opportunities after graduation.

Potential Employer



Course structure

For the first year, basic courses including physics and mathematics will be taught to prepare you for future success on the selected programs. Then you can choose more specialized courses from the following fields:

Biomedical Engineering

Core courses:
Biomedical Digital Signal Processing
Biomedical Photonics
Biomedical Sensor, Testing and Instrumentation
Medical Image Processing

Bioinformatics and Systems Biology

Core courses:
Data Structure and Algorithm
Instrumental Analysis
Bioinformatics
Biostatistics

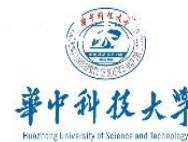
Nanomedicine and Biopharmaceuticals

Core courses:
Nanopharmaceuticals
Medicinal Chemistry
Experiments of Nanopharmaceuticals
Introduction of Nano-biomaterials

LIVING ON THE CAMPUS



- 34 cafeterias
- Jimao Market and Yongfeng Square
- 10 supermarkets on campus
- 100+ student Clubs



华中科技大学
Huazhong University of Science and Technology

EMAIL: APPLY@HUST.EDU.CN(GENERAL INQUIRIES)
ADDRESS: 1037 LUOYU ROAD, HONGSHAN DISTRICT, WUHAN 430074, CHINA
APPLICATION WEB: [HTTP://ADMISSION.HUST.EDU.CN](http://admission.hust.edu.cn)
APPLICATION TIME: 15 JANUARY TO 30 JUNE, 2022



2021

RECRUITMENT BROCHURE

华中科技大学

明德厚学 求是创新