



同濟大學
TONGJI UNIVERSITY



同濟大學醫學院
TONGJI UNIVERSITY SCHOOL OF MEDICINE

Facts about Tongji University School of Medicine (TUSM)

Long History

The Shanghai German Medicine School, founded in 1907 by German doctor Erich Paulun, was the predecessor of today's Tongji University and the beginning of Tongji Medicine.

Elite Tradition

Comparatively small enrollment in China

- ♦ 200 students admitted per year for Undergraduate Program
- ♦ 300 students admitted per year for Master Program
- ♦ 400 students admitted per year for Doctoral Program

High faculty-student ratio: 1769 faculty, 4232 registered students

Sufficient clinical resources: 10 affiliated hospitals, 4 preparatory affiliated hospitals, 7 affiliated community health centers, 17 teaching hospitals and practice bases

Rapid Progress

Rank moving up quickly in the past decade

QS Rankings 2021

- ♦ Medicine, 12th in mainland China (301-350 worldwide)

THE Rankings, China Subject Ratings 2021

- | | | |
|--------------------------|----|-------------------------|
| ♦ Clinical Medicine | A- | 8-11 in mainland China |
| ♦ Basic Medicine | B+ | 11-13 in mainland China |
| ♦ Biomedical Engineering | A | 12-24 in mainland China |

ESI

- | | | |
|--------------------------------|----------|-----------|
| ♦ Clinical Medicine | top 1.5‰ | worldwide |
| ♦ Biology & Biochemistry | top1% | worldwide |
| ♦ Molecular Biology & Genetics | top1% | worldwide |
| ♦ Neurology & Behavior | top1% | worldwide |
| ♦ Immunology | top1% | worldwide |
| ♦ Pharmacology & Toxicology | top1% | worldwide |

Translational Driven Model

Clinical Center for Stem Cell Research
Clinical Center for Cardiovascular Disease Research
Clinical Center for Brain & Spinal Cord Research
Clinical Center for Cancer Biotherapy
Clinical Center for Catalytic Medicine & Nanomedicine Research

Internationalization Characteristic

Global collaboration with 42 universities/institutions

- ♦ Student exchange program (accepting 60-80 students from Germany every year before the Pandemic)
- ♦ Dual degree program
- ♦ Joint faculty development
- ♦ Foreign experts brining in program

Bachelor of Medicine and Bachelor of Surgery (MBBS), an all English-taught 6-year program since 2011

Accreditation by the World Confederation for Physical Therapy (WCPT), passed in 2019

Accreditation by Accreditation Council for Graduate Medical Education International (ACGME-I), for Internal Medicine, Orthopedics, Family Medicine, Surgery, Emergency Medicine, started in 2019

A Sino-German joint experimental program started in September 2021

For more information about our school and our university, please visit:

<https://med.tongji.edu.cn/english/HOME.htm>

<https://de.tongji.edu.cn/>

Brief introduction of the Sino-German joint experimental program

Structure and training pathway

The Sino-German joint experimental program will cover undergraduate and graduate education. During the first 5-year undergraduate training, the students may have chance of short-term exchange to Germany (lab rotation/ clinical shadowing). After graduation, if they choose the research track, they may be supervised by dual-mentors (one from Germany and one from China) and finally get PhD degree from both Tongji University and German institution. This track may take another 5-6 years depending on the progress of

students. If students choose the clinical track, they will finish their residency training (3 years) in China, then may visit German institutions for another 1-2 years to pursue a MD degree.

Mixture use of Chinese, English and German is possible for the program. Students will be encouraged to learn German and achieve certain extent (B1/B2) to facilitate future development.

Main courses list

Medical Maths	Medical Genetics	Patient Service & Medical Professionalism III	Otorhinolaryngology	Disaster Medicine I
Medical Physics	Comprehensive Experiment in Life Science II	Comprehensive Diagnostics II	Traditional Chinese Medicine	Disaster Medicine II
Medical Physics Experiment	Tissue Injury and Repair	Cardiovascular Diseases	Nuclear Medicine	Frontier and Comprehensive Experiment of Pharmacology
General Chemistry	Introduction to the Structure and Function of the Human Body	Respiratory System	Clinical Skills I	Modern Histology and Embryology Progress
General Chemistry Experiment	Abnormal Structure and Function	Digestive System	Health Management and Regulations	Humanities and Professionalism Cultivation for Outstanding Physicians
Organic Chemistry (Medicine)	Pathogens and the Immune System	Reproductive system	Medical English	Social Practice
Organic Chemistry Experiment	Pathogens and the Infectious Diseases	Comprehensive Diagnostics III	Scientific Research Training I	Preventive Medicine Practice
Document Retrieval	Basic Pharmacology	Locomotor System	Scientific Research Training II	Early Period Clinical Practice I
Patient Service & Medical Professionalism I	Epidemiology	Endocrine System	Forensic Medicine	Early Period Clinical Practice II
Patient Service & Medical Professionalism II	Medical Statistics	Hematological System	Introduction to Oncology	Clinical Practice I
Introduction to Clinical Medicine	Preventive Medicine	Renal system	Experimental Nuclear Medicine	Clinical Practice II
Biochemistry and	Introduction to	Pediatrics	Stomatology	Graduation Exam

Molecular Biology	General Medicine			
Cell Biology	Comprehensive Diagnostics I	Emergency Medicine	Rehabilitation Medicine	Clinical Skills II
Comprehensive Experiment of Life Science I	General Surgery	Neuropsychiatric Disorders	Evidence-based Medicine	Clinical Research Training
Human anatomy	Dermatovenereology	Ophthalmology	Nanomedicine	

Student selection

The first batch of 16 students, was carefully selected in September 2021. They have outstanding performance at the National College Entrance Examination and are willing to advance their study in Germany or work in joint-ventured hospital or other health related areas where unhindered communication between Chinese and German is necessary.

At the beginning stage, the annual enrollment is about 15. The number may increase with the development. However, to guarantee resources, the maximum is 30 students every year.

Possible collaboration direction

TUSM is looking forward to support from our German partners. We will be deeply grateful if you are willing to contribute in the following areas, and your effort and time will be compensated reasonably.

- ♦ Joining our faculty team and provide lectures/seminars to TUSM students, in-person or online or blended.
- ♦ Hosting short-term lab rotation/ clinical shadowing for TUSM students. Of courses, your students will be very welcome to visit us as well.
- ♦ Being paired with our PI based on mutual interest, and supervising students together (PhD/ MD)