



History and Overview

The Faculty of Medical Technology (FMT) was founded in 1965, with a total of 39 years of history. Since 1996, FMT enrolls part-time students to the Program of Advanced Diploma and provides academic credits for Continuing and Extension Education. The FMT is as youthful and active as the 1960-founded Taipei Medical University, which helps expanding the model of the faculty as well as creating for itself a positive reputation.

The Graduate Institute of Biomedical Technology (GIBT) was founded in 1987. GIBT combines the knowledge of medical fundamentals and applied technology. The aim of GIBT is to create high-level and professional biomedical technicians who will contribute to medical organizations and the development of related medical technology research in order to upgrade the country's medical treatment as well as to improve the health of all nations.

Goal of Education

The main teaching goal of the FMT is to cultivate qualified personnel specialized in experimental medical technology. The GIBT is engaged in biomedical basic research and application in the industrial circle. We offer perfect experimental facilities and operating environment, which enables students to understand in depth relevant knowledge, technical abilities and principles. The training provided by GIBT will equip students with specialized skills in clinical medicine, biomedical research and biotechnology after graduating in the future.

Distinctive Features of Education

The GIBT offers pluralism and sturdy medical science and biotechnology correlated curriculums and experiment trainings. Department guides students studying the serial courses, student can develop the second specialty in accordance with the individual interest. The alumni of

our school are numerous and practical training hospitals spread all over the most medical centers in Taipei. Students can choose the suitable hospital to practice with dependence on their personal will. Meanwhile, students are able to obtain the adequate consideration and assistance because numerous alumni of our department affiliated in most medical centers. In addition, three ancillary hospitals of our school were recently complete and run successively. Resources of the medical laboratory departments of three hospitals would be combined in the future which is beneficial to students of GIBT for much choosing of clinical practice.



Gscience and technology developed in recent years was expected to combine together with the traditional medical examination. New courses for students were extremely increased which makes diverse among schools in developing new direction of student education. To let students have pluralism and free choices, this department improves course designing, planning, and quality, rather than divided students into groups. In addition, this department plans and executes to examine students with the test of Objective Structured Clinical Examination via the remarkable plan of teaching. We designed objective clinical technical ability testing and point scale to test the ability of students in each core clinical discipline, which is the first developed in the Taiwan, that can be the reference of skill examination, it is also the unique characteristic of our department.

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Teachers affiliated with school were encouraged to study actively in recent years, software and hardware facilities have been already established completely in the school. Several faculties have promoted be professors who have very excellent research achievements. Currently, specified research topics were integrated for students to join and participate in the high-quality research.

Faculty

The department now has 12 full-time teachers, including four professors, two vice-professors, two assistant professors, four lecturers and 15 part-time teachers. In the coming years, more teachers will be employed, especially teachers with doctor degree in microorganism and blood specialty in order to strengthen the faculties.

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Distinctive Features of Research

We organize many research teams. These research teams published many excellent papers shown on <http://rdsys.tmu.edu.tw/sci/s3/default.asp>

Prospect

GIBT mainly cultivates professionals to medical laboratory and biotechnology. Because it is a clinical experiment in routine that was developed from various types of medical experiments, medical examination is, thus named as the laboratory medicine. It is a interface between experimental technology and the clinical medicine, its category includes: to engage in the clinical routine medical examination; to translate the discover and achievement of medical research to the application of clinical medicine technology; to utilize medical experimental techniques into study of pathology, physiology, and molecular mechanism of medical research. With the progress of medical

science and technology in recent years, clinical examination is gradually automatically. Various kinds of experiment and technology relying mainly on cell molecular biology, including technologies of genetic recombination, molecular medical examines, proteomic engineering, immunology, reproduction science, gene/protein chips science, fluorescence resonance, and various biomedical detection techniques advanced quickly. Therefore, all the Departments of Medical Examination in Taiwan were renamed as GIBT since 2006. Medical science and technology developed in recent years was expected to combine together with the traditional medical examination. New courses for students were extremely increased which makes diverse among schools in developing new direction of student education. To let students have pluralism and free choices, this department improves course designing, planning, and quality, rather than divided students into groups. In addition, this depart-

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