

[学会記録]

北海道医療大学歯学会第32回学術大会 特別講演

“Translation on Biomedical devices”

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Production

Taipei Medical University (TMU), formerly known as Taipei Medical College (TMC), was founded on June 1, 1960 by Dr. Shui-Wang Hu, Dr. Cheng-Tien Hsu and other medical professionals and devoted educators. TMU is located on Wuxing Street in eastern Taipei. Most of more than 30,000 TMU graduates serve in medical institutions and clinics, while many others are prominent figures in the fields of research, politics, and business. TMU has 7 colleges, 12 undergraduate schools and 14 graduate institutes as well as three affiliated hospitals-TMU Hospital, Wan Fang Hospital, and Shuangho Hospital. With approximately 3,000 beds, TMU is one of the largest health care systems and offers top-quality teaching, research and clinical services in the Taipei metropolitan area.

Research Center for Biomedical Devices and Prototyping Production (BIMD) specializes in delivering innovative solutions to industry across the health sciences and technology sectors. We are a very competent research and development team in Taiwan which focus on the intersection between biotechnology and nanotechnology, providing product development, strategic consultancy, projects management and access to state of the art instrumentation and expertise.

A Unique Model for Accessing Academic Excellence

BIMD has access to ASIA's leading researchers at Taipei Medical University in Taiwan and 3 major hospitals, Taipei

medical university hospital, Wang Fang hospital and Shuang Ho hospital - three of the top healthcare facilities in the Taiwan. BIMD brings together teams of leading researchers and employs a unique business model to deliver commercially driven research, consultancy and problem solving for its clients. BIMD provides full service project and client management. This effectively removes the project delivery risk, ensuring that our academic partners deliver to time, budget and quality. BIMD has different contracts, patent applications, medical instrument certification and intellectual property agreements already in place with the partner institutions, which enables collaborate partners to start projects quickly. This is a key issue when product development problems need to be solved and publish.

A Focus on Biomedical Sciences

BIMD works in numerous sectors, from Biotechnology through to Material Engineering, but we have a focus on the biomedical sciences sectors. Example fields include :

- ① Research of Biomaterials
- ② Research of Bioengineering
- ③ Research of Bioimaging and Biosensing

Access to Research and Development Instruments

BIMD has access to state-of-the-art biomedical research and development instruments in the research center and at the partner institutions. From scanning electron microscopy, Nano-indenter, atomic force microscope, micro-computed tomography, Raman spectrometer, Time-of-flight secondary ion mass spectrometer, XRD analysis, 3D Z-printer, to transmission electron microscopy, BIMD can access the right tools to solve product development, characterization and visualization issue faced by its clients. Therefore, BIMD can support most of the medical science business development and growth.