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## essage from the President

Tokyo Medical and Dental University (TMDU) was established in 1928 as the first national dental school in Japan. Since then, TMDU has grown into a comprehensive medical university by expanding into medicine in 1944 and nursing in 1951, and has become one of the most influential medical research institutions in the world. TMDU is currently located in the Ochanomizu / Yushima district in central Tokyo, which has been considered the traditional birthplace of scholarship in Japan since the 17th century.

We have approximately 3,000 students in our graduate and undergraduate schools, which include the Graduate School of Medical and Dental Sciences, Graduate School of Health Care Sciences, Faculty of Medicine, and Faculty of Dentistry. We foster our students under the TMDU Vision, "Cultivating professionals with knowledge and humanity, thereby contributing to people's well-being".

On our campus, we have two university hospitals, one for medicine and one for dentistry. The Medical Hospital is the most popular teaching hospital among medical interns in Japan and plays an important role nationally in clinical medicine. The Dental Hospital accepts the highest number of patients with oral disease in the country. The large number of patients visiting our hospitals gives us strong motivation and the opportunity for medical and dental research in order to understand and treat intractable diseases. For example, our research on regenerative medicine originates from clinical needs arising at these hospitals, as will be explained in detail in our Features of TMDU Research section. In addition, with an eye on the Tokyo 2020 Olympic and Paralympic Games, we have established a Sports Science Organization to provide integrated care for athletes and apply our scientific knowledge to public health. We have invited a gold medalist in the hammer throw at the 2004 Athens Olympics to serve as a professor in the Organization.

In addition to our schools and university hospitals, we have two research institutes, the Medical Research Institute and the Institute of Biomaterials and Bioengineering. Researchers there collaborate with industry to develop practical clinical applications for the benefit of society. In 2015, we also launched two venture companies involved in innovative medical instruments (endoscopic surgery robots) and drug development (heteroduplex oligonucleotides). We promote such translational research in order to link basic research to clinically applicable products. Furthermore, in 2016 we established the Center for Personalized Medicine for Healthy Aging to provide preventive medicine based on individual genetic backgrounds to contribute to longevity, and the Institute of Global Affairs / Institute of Education to promote university-wide globalization in the fields of research, education and medical treatment. We are also conducting collaborative investigations and education at our overseas research centers in Thailand, Ghana and Chile.

In this brochure, we highlight typical examples of state-of-the-art research activities at TMDU, which are in a continuous state of evolution and refinement. Although these activities represent only a fraction of the research underway at our university, I am nevertheless confident that these highlights will give you an idea of the exciting opportunities available here at TMDU for collaboration and study, open to researchers and students worldwide.



President

吉澤靖之

Yasuyuki Yoshizawa