Tokyo Medical and Dental University

Biomedical Science Ph. D. (5-year: Master and Doctor) Program

Admission Guide 2008

For International Students with Japanese Government Scholarship

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1. Introduction

Dear Applicant:

Thank you for considering Tokyo Medical and Dental University for your graduate study. Our master's and doctor's programs are highly ranked and are comprised of a full spectrum of biomedical study for both academic and professional carriers. In 2007 Tokyo Medical and Dental University has started a new International Graduate Program for Biomedical Science to offer more opportunities for international students to study in this area. In the Program all courses are lectured in English. Tokyo Medical and Dental University gratefully accepts motivated applicants and promotes the diversity of the graduate school.

We offer you our best wishes for your successful application to the Program.

Caution:

The International Graduate Program for Biomedical Science is supported by a Japanese Educational Government subsidy. Tokyo Medical and Dental University ensures to provide scholarship for international students who will start their study from the master's program and continue to complete the doctor's program in totally up to 5 years. In other words, the International Graduate Program Scholarship is not allowed to those who will start the study from the doctor's program in Tokyo Medical and Dental University.

2. Academic policies

Outline of the Biomedical Science Ph. D. Program

From the end of the 20th century to the beginning of the 21st, the entire genome sequences of various organism species were decoded. In Japan – which is becoming unique as a country with a low birthrate and large elderly population – post-genome research stemming from the decoded genome information and a better understanding of phenomena such as molecular structures, together with the development of the technology to control them, are expected to lower the cost burden on society as well as contribute to a higher quality of life through materialization of a healthy elderly society devoid of diseases and in which revolutionary therapies and medicines are developed and the burden on the environment is reduced. The 21st century is becoming a century of life science. Now that academic fields and social and industrial structures are changing, it is necessary to promote practical research in fusing the interdisciplinary fields related to complex disease research with leading-edge life science, and to foster human resources who have the managerial ability to realize innovations based on life science analysis and the ability to resolve practical problems. The aim of this Ph. D. program is to nurture such people.

The Biomedical Science Ph. D. Program has two courses: Bioinformatics and Functional Biology. A summary of each can be found below.

Bioinformatics

The course in bioinformatics processes diverse information of diseases, genome, proteome, three-dimensional structures, the phenotypes of genetically engineered animals and genetic diseases. It teaches methods and technologies to link in organic manner diverse pieces of information, and has classes and conducts experiments and exercises in genome informatics, molecular structure informatics, proteome informatics, cell informatics and life system informatics.

Functional Biology

This course educates students in the understanding of the mechanisms of life system controls – from cells to the highly developed functions of individual living creatures – and recognizes diseases as a partial aberration of such controls. It offers classes and conducts experiments and exercises in the science of nerve function control, biological response control, cell tissue control, and biological system engineering.

Affiliated Institutes

In order to promote exchanges of talent in the area of life science, to expand intellectual and human networks, and to conduct graduate school education that correctly meets the social needs and trends in scientific research and progress, this Graduate School promotes cooperation with various national and private research institutes staffed with superior researchers in the field of life science. Below is a list of institutes affiliated with this Ph. D. Program in fiscal 2008.

Computational Biology Research Center of the National Institute of Advanced Industrial Science and Technology
Research and Development Headquarters, NTT Data Corporation
Riken Research Center for Allergy and Immunology
Riken Genomic Science Center
Riken Brain Science Institute
International Medical Center of Japan
National Center for Child Medical Health and Development
The Tokyo Metropolitan Institute of Medical Science
The Cancer Institute of Japanese Foundation for Cancer Research
Research Institute of National Cancer Center
Drug Discovery Institute of Astellas Pharma Inc
National Center of Neurology and Psychiatry

3. Graduate Admission

Master's Program

- Admission Requirements

Applicants must have a Bachelor's degree and have a minimum school education of 15 years or an academic capability equivalent to Bachelor's degree holders when you enroll to the Graduate School. Please keep in mind that applicants are not allowed to defer their admission to the next academic year.

Applicants need to take contact with the supervisor of the laboratory you wish to belong to before sending application documents.

- Application Filing Period
  November 9, 2007 to January 31, 2008

- Acceptance of Admission
  The results will be posted to all applicants on July 11, 2008.

4. Application Documents

The applicant should first obtain approval of a course of study from the supervisor of the laboratory you wish to belong to. The supervisors are listed at http://www.tmd.ac.jp/mri/SBS/education/eduFacultyE.html.

Applicants must submit the following documents:

1. Application form (prescribed form)
   1) APPLICATION FOR JAPANESE GOVERNMENT (MONBUKAGAKUSHO:MEXT) SCHOLARSHIP
   2) APPLICATION FOR JAPANESE GOVERNMENT (MONBUKAGAKUSHO:MEXT) SCHOLARSHIP (ATTACHMENT)
   3) Field of Study and Study Program
2. Dean's recommendation letter from the student's home institution (in English)
   (If it is very difficult to get Dean's recommendation letter, please take contact with the supervisor of the laboratory you wish to belong to.)
3. Recommendation to verify the potential of applicant by Department Head, supervisor, etc. (in English) (If it is very difficult to get recommendation letter from Department Head or supervisor, please take contact with the supervisor of the laboratory you wish to belong to.)
4. Official academic transcript for undergraduate courses (in English)
5. Certificate of graduation or expected graduation from university (in English)
6. Degree certificate or certificate of expected degree to be awarded (in English)
7. TOEFL (Test of English as a Foreign Language) score within the last three years of application (International applicants whose language of instruction was not English must take the test of TOEFL)
8. Two copies of photo which are taken within the past 6 months (6x4cm)
9. One copy of your passport containing the page of your name and photo

All of above should be sent together in a single package to:

Tokyo Medical and Dental University
Graduate School Section
Biomedical Science
1-5-45 Yushima, Bunkyo-ku
Tokyo 113-8510, Japan

TEL 81-3-5803-4534

5. Japanese Government (Monbukagakusho) Scholarship

Students accepted to the program will be financially supported by Monbukagakusho Scholarship through university recommendation.

Although the master's and doctor's programs are independent from each other, this scholarship will only be granted to students who will start their study on biomedical science at Tokyo Medical and Dental University from the master's program and continue to complete the doctor's program. The scholarship gives a monthly stipend (presently 175,000 Yen*) for a maximum of five years (*This stipend is subject to changes by the rule of Monbukagakusyo).

Successful applicants for the Monbukagakusho Scholarship are not requested to pay the entrance examination, admission and tuition fees.

6. Selection

Successful applicants will be selected based on their application documents and the interview (direct or over the Internet) with our professors. Applicants need to take contact with the supervisor of the laboratory you wish to belong to before sending application documents.

The list of professors is included in the following web page:

http://www.tmd.ac.jp/mri/SBS/education/eduFacultyE.html

7. Enrollment Term

October 1, 2008

8. Contacting the Application Processing Service

If you have questions about your application, you may call for assistance. We are unable to accept collect calls.

-Telephone # 81-3-5803-4534
(Please call between 10:00 am and 5:00 pm, Monday through Friday)

-E-mail: grad.bio.adm@cmn.tmd.ac.jp

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