

Dean's Office

Project Coordination Office

プロジェクトコーディネーター室

Professor Mutsuhiro Takekawa, M.D., Ph.D.

教授 博士(医学) 武川 睦 寛

Our major missions are to coordinate institutional projects and enhance the mutual cooperation and alliance among teaching and research staff, administration staff, and technical staff, in order to execute the activities in our institute effectively. For these purposes, we carry out several tasks such as planning for new institutional research programs or symposiums, fundraising, supporting foreign students and researchers, outreach activities, providing academic advice to administration staff, and other projects directed by the dean.

1. Support for the management of institutional projects

Kiyomi Nakagawa, Junko Tsuzuku, Noriko Endo, Yoko Udagawa

We served as a secretariat of institutional projects implemented by the Institute of Medical Science (IMSUT) and supported their management. The projects supported are:

- "China-Japan Research Collaboration on Defense against Emerging and Reemerging Infections" supported by the program of Japan Initiative for Global Research Network on Infectious Diseases (J-GRID) from Japan Agency for Medical Research and Development (AMED)
- Medical Genomics Research Initiative, The University of Tokyo
- "The Research Project Promoting Health Science" supported by "Program for Promoting the Enhancement of Research Universities"
- Graduate Program for Leaders in Life Innovation (GPLLI)
- World-leading Innovative Graduate Study Program of Life Science (WINGS-LS)

2. Joint Usage/Research Center Program of MEXT

Junko Tsuzuku

IMSUT was admitted by MEXT as Joint Usage/Research Center in 2009 and began its activity in 2010. The main activity of the center is to implement joint research projects broadly applied by universities and research organizations, to organize academic meetings such as international symposia and those for young researchers as well as to publish activity reports on website. PCO manages these activities, edits a document pertaining to various investigations and submits evaluation reports requested by MEXT in collaboration with Research Promotion Team, Research Support Division, Administration Office.

3. Data acquisition about research and educational activities of IMSUT

Kiyomi Nakagawa, Motoko Tsuzuki, Naomi Nakamura

We collect and stock data every year using an original format to construct a data system available any time for evaluation, submission of various reports, public relation activities and basic data for application of external funding.

4. Events of the 125th founding anniversary and 50th reorganization anniversary of IMSUT

Kiyomi Nakagawa, Junko Tsuzuku, Yoko Udagawa, Noriko Endo, Naomi Nakamura

We called for donation of IMSUT One to Gogo Fund, opened an individual website of the event, supported the organization of commemorative Lectures, International Symposium celebrating the anniversaries and the 12th International Symposium of the Institute Network, edited the commemorative publication, prepared commemorative gifts as members of the executive committee and working groups of the 125th founding anniversary and 50th reorganization anniversary of IMSUT.

5. Others

Kiyomi Nakagawa, Noriko Endo, Motoko Tsuzuki, Naomi Nakamura, Yoko Udagawa

- a. Educational activities:
 - support for the call for application and selection of the Outstanding Student Publication Award of IMSUT
- b. International activities:
 - support for conclusion and renewal of MOUs
 - support for delegation and management of international exchange events, "East Asia Joint Symposium" and "International Symposium of the Institute Network"
 - support for reception of overseas visitors
 - support for management of the University of Tokyo New York Office, Inc. and its event organization
- c. Public relations:
 - support for information update of IMSUT website
 - edition of brochures of IMSUT (Japanese and English version) and support for edition of the Annual Report

Dean's Office

Office of Support for Platforms for Advanced Technologies and Research Resources

学術研究基盤支援室

Chair and Visiting Professor Kohzoh Imai, M.D., Ph.D. | 客員教授・室長 医学博士 今井浩三

"Platforms for Advanced Technologies and Research Resources" (platform.umin.jp/) was launched in fiscal year (FY) 2016 under the new framework of the Grant-in-Aid for Scientific Research on Innovative Areas by the Ministry of Education, Culture, Sports, Science and Technology (MEXT). It consists of six platforms, of which four platforms are supporting researches in life science. They are the platforms that have been developed and strengthened the previous program "Support Programs for Three Fields in Life Sciences (Cancer, Genome and Brain Sciences)" conducted between FY 2010 and 2015.

"Platforms for Advanced Technologies and Research Resources" aims to establish the academic research support platforms to efficiently support various needs of the researchers in grants-in-aid. It also aims to work in close cooperation with the relevant core bodies such as Inter-University Research Institutes and Joint Usage/Research Centers.

This office mainly plays the role of the representative secretariat of the "Committee on Promoting Collaboration in Life Sciences" that is an academic collaborative foundation and cooperates with those platforms mentioned above. The objective is to contribute the further development of the academic research in Japan through providing the cutting-edge methods to the individual researchers on life science KAKENHI (Grants-in-Aid for Scientific Research). We also aim to promote cooperation among researchers across support functions and cross-disciplinary, as well as human resource development. In order to achieve the goal, the General Management Group was organized to facilitate a close cooperation between four platforms comprising 44 universities and 15 research institutions nationwide which provide 33 support functions.

This office was established in this Institute as Dean's Office in 2016 in order to strengthen the flexible management. Further, we hold several Management Board Meetings in which 16 members participated: three platform representatives and 13 board members, to construct a cooperative system to facilitate a cross-over support functions and to provide technical support with the universities and research institutions nationwide.

A staff of five excellent experts are working in this office:

Yuri Takei, M.A., Jun Saito, Eriko Shibata, Yuka Suzuki and Tomoko Takagi

Publications

1. Taniguchi H, Hoshino D, Moriya C, Zembutsu H, Nishiyama N, Yamamoto H, Kataoka K, Imai K. Silencing PRDM14 expression by an innovative RNAi therapy inhibits stemness, tumorigenicity, and metastasis of breast cancer. *Oncotarget*, 8(29): 46856-46874, 2017. doi: 10.18631/oncotarget.16776.
2. Tsuji S, Washimi K, Kageyama T, Yamashita M, Yoshihara M, Matsuura R, Yokose T, Kameda Y, Hayashi H, Morohoshi T, Tsuura Y, Yusa T, Sato T, Togayachi A, Narimatsu H, Nagasaki T, Nakamoto K, Moriwaki Y, Misawa H, Hiroshima K, Miyagi Y, Imai K. HEG1 is a novel mucin-like membrane protein that serves as a diagnostic and therapeutic target for malignant mesothelioma. *Scientific Reports*, 7: 45768, 2017.
3. Moriya C, Taniguchi H, Miyata K, Nishiyama N, Kataoka K, Imai K. Inhibition of PRDM14 expression in pancreatic cancer suppresses cancer stem-like properties and liver metastasis in mice. *Carcinogenesis*. 38(6), 638-648, 2017. doi.10.1093/carcin/bgx040
4. Moriya C, Taniguchi H, Nagatoishi S, Igarashi H, Tsumoto K, Imai K. PRDM14 directly interacts with heat shock proteins HSP90 α and GRP78. *Cancer Sci.* in press, 2018. doi: 10.1111/cas.13458.
5. Isshiki H, Arimura Y, Nagaishi K, Kawakami K, Onodera K, Yamashita K, Naishiro Y, Fujimiya M, Imai K, Shinomura Y. Establishment of a refined culture method for rat colon organoids. *Biochemical and Biophysical Research Communications*. 489(3): 305-311, 2017.
6. Matsunaga Y, Adachi Y, Sasaki Y, Koide H, Motoya M, Noshio K, Takagi H, Yamamoto H, Sasaki S, Arimura Y, Tokino T, Carbone DP, Imai K. The effect of forced expression of mutated K-RAS gene on gastrointestinal cancer cell lines and the IGF-1R targeting therapy. *Mol Carcinog*. 56(2): 515-526, 2017.
7. Ishiki H, Kinkawa J, Watanabe A, Watanabe C, Chiba T, Yasui H, Shimada N, Ariyoshi K, Nojima M, Iwase S, Tojo A, Imai K. Prevalence of myofascial pain syndrome in patients with incurable cancer. *J Bodywork & Movement Ther.* in press, 2018.
8. Taniguchi H, Imai K. PRDM14, a zinc finger protein, regulates cancer stemness. In *Methods in Molecular Biology on Zinc Finger Proteins Methods and Protocols*. Edited by Jia Liu (Springer Science + Business Media, New York, NY, USA), in press, 2018.

Dean's Office

International Affairs Office

国際学術連携室

| Professor Mutsuhiro Takekawa, M.D., Ph.D.

| 教授 博士(医学) 武川 睦寛

Our mission is to support international activities and transmit information about the Institute of Medical Science (IMSUT) to the world, as well as create a foreigner-friendly environment within IMSUT. To fulfill this purpose, we give support to organize international forums, symposia, to manage an international office, and to edit information about recent research results in English on website. We also give advice to foreigners who (plan to) study or work at IMSUT and provide other services required for the globalization of IMSUT.

1. International activities

Kaoru Nishimura

The office supported to organize Tokyo - New York Stem Cell Summit and The UTokyo NY Conference both in New York, East Asia Joint Symposium in Otsu and the 12th International Symposium of the Institute Network - Driving Next-Generation Medicine: the Spirit of Pioneering Discovery in Medical Science - on the occasion of the 125th Founding Anniversary and 50th Reorganization Anniversary of the Institute of Medical Science, The University of Tokyo at IMSUT.

2. Reception of visitors from overseas

Kaoru Nishimura

IMSUT received visitors from overseas such as a group of the French national training course of IHEST, Dr. ZHANG Yaping, Vice-President of CAS, China, students from Catholic University of Daegu, South Korea, delegation of Lithuania National Cancer Institute, delegation of UAE Minister of State for Happiness and Wellbeing, Prof. Per Bakke, Dean of Faculty of Medicine, University of Bergen, Norway.