



Annual Report 2016



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FUTI Organization

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Scholarship Committee Members

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Advisor, Lotus Circle Asia Foundation

Masaaki Yamada

Distinguished Research Fellow, Princeton Plasma Physics Laboratory

Greetings from the FUTI President



The fall of 2017 will mark the 10th anniversary of the founding of Friends of UTokyo, Inc. and thanks to our supporters we have a lot to show for it. Our steadily growing support of student exchanges and collaborations between University of Tokyo and universities in the United States are of note. I invite you to look at the reports of these exchanges on our website (friendsofutokyo.org). Most recently 20 students attended summer programs abroad with FUTI's support. Another nine students are in a mid/ long-term study abroad programs at the most prestigious American universities with support from the newly established collaborative effort between FUTI and the Ito Foundation USA. All this is made possible by the generous support from our contributors, and I would like to express the greatest of gratitude.

Last year I had my own experience with international exchange at a week-long intensive session on plasma physics held at the University of Tokyo. Several students from the U.S. and I participated in collaborative research, and lectures were given by professors from both the U.S. and Japan. During my stay, I attended a party for participants of UTokyo's GSP (Global Summer Program) where students from top universities from around the world came together. It convinced me that UTokyo's new vision for student exchanges are valuable and have a huge impact on students and their international outlook as they interact and converse with those from other countries outside the classrooms such as at the dormitories. I believe that the most effective way for a student to grow personally is by connecting with others their own age at their study abroad destination. This is apparent from the reports written by the FUTI scholarship recipients. I would like to encourage your continued support of FUTI's mission in discovering and helping to grow these bright future global leaders of Japan and the United States.

Masaaki Yamada

President

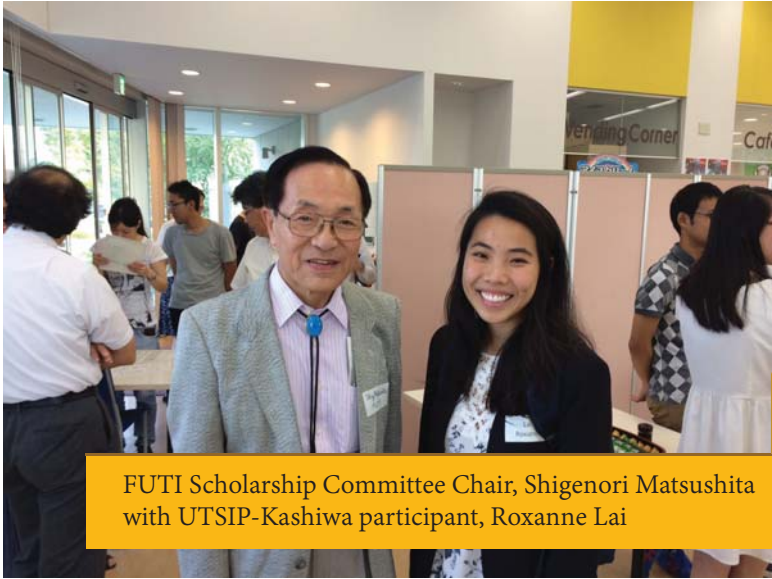
Friends of UTokyo, Inc.

www.friendsofutokyo.org/roster



See the full roster and reports written by recipients

Report on FUTI Summer Scholarship Programs



FUTI Scholarship Committee Chair, Shigenori Matsushita with UTSIP-Kashiwa participant, Roxanne Lai

University of Michigan. Of the six award recipients, two were science or engineering majors, three were social science majors, and one was a PEAK (Program in English at Komaba) student. Four are undergraduates and two were graduate students at the time of FUTI application submission.

The award committee selected five U.S. awardees to support their summer internship at UTokyo's laboratories. Three of these recipients participated in the University of Tokyo Research Internship Program (UTRIP), which is hosted by professors in the School of Sciences at UTokyo. One participated in the University of Tokyo Internship Program in Kashiwa (UTSIP-Kashiwa) hosted by the Graduate School of Frontier Sciences and one in another internship program. They were all juniors or seniors majoring in science or engineering and come from Indiana University, Pennsylvania State University, Bates College, University of Southern California, or UC Berkeley. The selection process for FUTI awards was highly competitive. For instance, the four UTRIP participants have been selected from over 40 U.S. undergraduates, many of whom were top students from leading universities in the U.S.



Meng Luo at the Ando Lab at UTokyo developing the coil-coil actuator

The FUTI Award Selection Committee has selected six UTokyo students and eight U.S. students for this summer's scholarship program.

The number of UTokyo award recipients declined significantly from nine in 2015 to six this year. This may be attributed primarily to the newly implemented semester system at UTokyo. To the award committee's disappointment, while last year three attended English language programs and two attended Global Summer Programs (GSP) in the US, no UTokyo students have been selected for these programs this year. FUTI hopes award recipients in these categories will increase in coming years.

Six UTokyo students participated in regular summer courses at U.S. universities, such as Yale University, MIT, University of California, Berkeley (UC Berkeley), Stanford University and



Yurika Doi (bottom left), participant of the MIT Neuroscience Research Internship, enjoys a hike with the MIT Outing Club

In addition to these internship students, two Yale students (both juniors) and one UC Berkeley student (sophomore) have been selected to participate in the Global Summer Program (GSP) courses offered by UTokyo.

We sincerely hope that these U.S. and UTokyo students grow into global leaders and make important contributions to the future of the world. We would like to take this opportunity to thank the professors and staff at UTokyo and U.S. universities for their contribution to the programs. We are also grateful to the individual donors in the U.S. and Japan whose generous donations to FUTI made our scholarship programs possible.

Roster of FUTI Global Leadership Award Recipients

University of Tokyo Students

**Yurika Doi**

University of Tokyo
Senior, Engineering

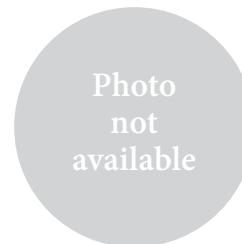
Graybiel's Lab, McGovern Institute of
Brain Research, MIT

**Fahd Khan ***

University of Tokyo
Master 2nd year, Chemistry

Princeton University Visiting Student
Research Collaborator (VSRC) Program

* 2015 recipient for program in 2016

**Shusei Eshima**

University of Tokyo
Master 1st year, Law & Politics

University of Michigan ICPSR



Visit the FUTI Facebook page
to see the recipients'
"Reports from the scene"

facebook.com/friendsfutokyo

**Nonoko Kawabata**

University of Tokyo
Senior, Clinical Psychology

University of California, Berkeley
Regular Summer Session

**Ayaka Seki**

University of Tokyo
Freshman, Science III

Yale University Regular Summer Session

**Fumiya Uchikoshi**

University of Tokyo
Master 2nd year, Sociology

University of Michigan ICPSR

**Yuchen Yan**

University of Tokyo (PEAK)
Sophomore

Stanford Summer International
Honors Program, Stanford University

Note: Affiliation, major, and year at school are as of the time of application

Students from U.S. Universities



Nicolò Bigagli

Bates College
Junior, Physics and Mathematics

UTRIP Internship with
Prof. Hirofumi Sakai, Physics, UTokyo



Lexa Kai Briek

Tupelo High School
Mississippi

University of Tokyo Programs in
English at Komaba



David Burke

Indiana University
Junior, Chemistry

UTRIP Internship with Prof. Mitsuhiko
Shionoya, Chemistry, UTokyo



Tianyi Dong

University of California, Berkeley
Sophomore, History

GSP at UTokyo, Japan in Today's World



Jeffrey Gau

Yale University
Senior, Mechanical Engineering

GSP at UTokyo
Nanoscience/Japanese Language



Roxanne Lai

University of Southern California
Junior, Geological Sciences
/Environmental Studies

UTSIP-Kashiwa, Prof. Tomochika
Tokunaga in the Geosphere Environment
Systems Laboratory



Meng Luo

University of California, Berkeley
Senior, Physics

Internship with Prof. Masaaki Ando
KAGRA



Grace Pan

Yale University
Senior, Physics

GSP at UTokyo, Nanoscience

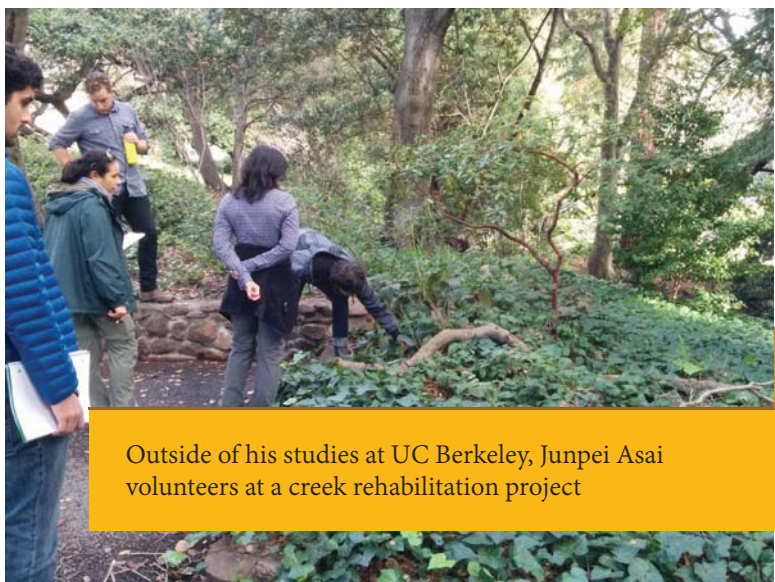


Rocco Vitalone

Pennsylvania State University
Junior, Physics and Mathematics

UTRIP Internship with
Prof. Ryo Shimano, UTokyo

Report on the Ito Foundation U.S.A.-FUTI Scholarship



Outside of his studies at UC Berkeley, Junpei Asai volunteers at a creek rehabilitation project

This year marked the first year of the Ito Foundation U.S.A.-FUTI Scholarship program sponsored by the Ito Foundation USA. This new program is intended to provide support for University of Tokyo students/alumni to study at a U.S. university for one semester or more. Although this is the first year the scholarship has been offered, many applications from highly qualified students were received in no small part thanks to the efforts of staff at the University of Tokyo administration, departments, and graduate schools. Although the scholarship program is also open to U.S. university students wishing to study mid- to long-term at University of Tokyo, there were no applications from U.S. students this year.

In reviewing this first year's applications, it became clear that there were three main types of applicants: First, UTokyo students who, after graduation, wish to study at a U.S. university in a specific field such as architecture or design; second, UTokyo graduates currently studying at a U.S. university and in need of financial assistance; and third, UTokyo undergraduate students who for various reasons were not eligible for the UTokyo undergraduate study abroad system. All three groups reflect a need not adequately met by the current UTokyo study abroad support system. The Japan Student Services Organization (JASSO) Scholarship, which has a relatively early application deadline, is a popular scholarship with UTokyo undergraduate students, but the scholarship has a restriction wherein recipients may not accept other scholarships exceeding the amount given by JASSO. This stipulation limits how much FUTI can award.

After careful consideration of the many highly-qualified applicants, the members of the Scholarship Committee ultimately awarded nearly full support to two students and partial support to seven. It was decided that the scholarship will only cover a single academic year, but

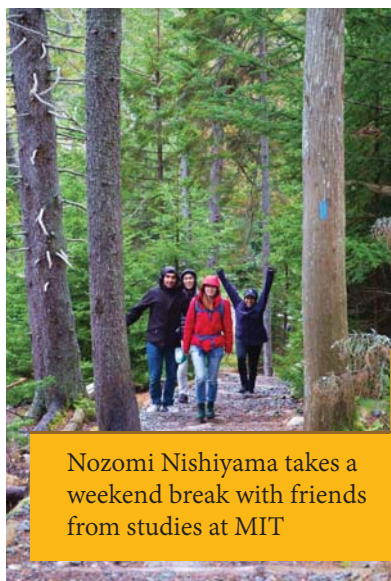
renewable for qualified

students. Those requiring assistance for subsequent years were asked to reapply the following year. Support for most of the recipients started in the fall semester, but some started in the summer semester. The scholarship students were nearly evenly divided between men and women this year.

As we were able to select outstanding students, the Ito Foundation U.S.A. and FUTI both share a sense of fulfillment. We hope each of this year's recipients will accomplish an outstanding year.



Minami Goto editing media footage at the Digital Media Center of the Columbia University film department



Nozomi Nishiyama takes a weekend break with friends from studies at MIT

Roster of Ito-Foundation U.S.A.-FUTI Scholarship Recipients

**Junpei Asai**

University of Tokyo
Master of Civil Engineering, 2015

Landscape Architecture, Master's Program
University of California, Berkeley

**Eri Furusawa**

University of Tokyo
Senior, Architecture

Architecture and Urban Planning
Master's Program, Columbia University

**Minami Goto**

University of Tokyo
Bachelor of Art History, 2015

Film/Creative Producing
Master's Program, Columbia University

**Myeongok Kim**

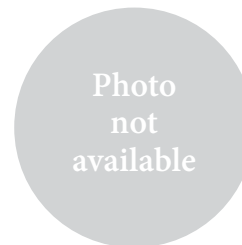
University of Tokyo
Sophomore, PEAK/Natural Sciences II

Undergraduate Exchange Program
Swarthmore College

**Natsuki Kusakabe**

University of Tokyo
Sophomore, International Relations

Undergraduate Exchange Program
University of Illinois

**Hiroya Nishikawa**

University of Tokyo
Senior, Physics

Physics & Astronomy, Doctoral Program
Johns Hopkins University

**Nozomi Nishiyama**

University of Tokyo
Sophomore, Mechanical Engineering

Undergraduate Exchange program, MIT

**Kim Schumacher**

University of Tokyo
Doctoral Program 3rd year
Environmental Science

Government/ Comparative Policy
Harvard University

**Ayako Yamashita**

University of Tokyo
Bachelor of Education, 2009

Social-Organizational Psychology
Master's Program, Columbia University

Status of FUTI Research Funds

I. Collaboration, Exchanges and Outreach at the Kavli IPMU-Berkeley (PI: Prof. S. Murayama, UTokyo)



The Kavli IPMU-Berkeley Partnership was established to promote collaboration between the Berkeley Center for Theoretical Physics (BCTP) at the University of California, Berkeley and the Kavli Institute for the Physics and Mathematics of the Universe (Kavli IPMU) at the University of Tokyo. They focus an exchange of graduate students and postdocs between Berkeley and Tokyo. Each year, they try something new to keep the exchange program fresh and exciting.

During the FY2015-16 period, “Berkeley Week” was organized by Prof. H. Murayama at Kavli IPMU by bringing five postdocs from Berkeley for Japanese students to interact with. Last year’s FUTI fund of \$10,000 was used to support the travel expenses of Berkeley postdocs to visit Kavli IPMU for a weeklong informal interactions between them and graduate students at Kavli IPMU.

In this FY2016-17 year, they plan to hold “Kavli IPMU Week” in Berkeley, the opposite from what they have done the last year. If this model turns out to be successful, they would like to alternate between the two sites. The plan is to bring in graduate students from Kavli IPMU to visit Berkeley for a week in the second week of January, with a series of talks and informal interactions in a similar fashion as the successful experience of the Berkeley Week at Kavli IPMU.



2017 January FCMP Japan Tour: JPARC neutron + muon + HEP Tour

II. Cooperative Research and Education in Frontiers of Condensed Matter Physics (PI: Prof. Y. Uemura, Columbia University)

Since FY 2012, the Friends of UTokyo (Tokyo University) Inc. (FUTI) has provided grants every year to the international and cooperative research and education activities at Columbia University and Tokyo University in the area of Condensed Matter Physics (CMP). This activity includes a novel live/simulcast/video graduate lecture series “Frontiers of Condensed Matter Physics (F-CMP)” course and subsequent international workshops and student tours, as well as specific research collaboration by several graduate students after taking the F-CMP course.

In the FY2015-16 period, the University of Tokyo, Prof. Atsushi Fujimori, Prof. Hideo Aoki (Physics Department, Hongo Campus) and Prof. Takasada Shibauchi (Dept. of Advanced Materials Science, Kashiwa Campus) started a new F-CMP colloquia series, connecting the Hongo Campus and Kashiwa Campus with a simultaneous broadcasting (simulcasting) technology, that was used by the F-CMP activities at Columbia, Rice and U. Oregon by Prof. Uemura who encouraged these Japanese colleagues to start a similar colloquia series in Japan. The presentations have also been simultaneously broadcasted to Kyoto University, JAEA-JPARC (Tokai Mura) and KEK (Tsukuba). Collaborative

research activities involving Japanese graduate students continued in Japan as well as between US and Japan. Their collaboration efforts were materialized in a Ph.D. thesis and a paper in *Nature Communications*.

The F-CMP Colloquia in Tokyo and F-CMP Lecture course at Columbia University continue in the upcoming FY2016-17 period. In order to support the F-CMP colloquia series at the University of Tokyo, they plan to send a few leading US scientists to Japan to serve as speakers of the colloquia in the Fall 2016 and Spring 2017 semesters. At Columbia, they will organize another series of F-CMP lecture courses in the Spring 2017 semester, in which they will broadcast a few talks given at the Tokyo F-CMP colloquia. They also propose to organize a tour of 3-4 graduate students of University of Tokyo who are attending the Tokyo F-CMP colloquia to visit Columbia and US research facilities during the 2016-17 period.

III. Yale-U Tokyo Exchanges:

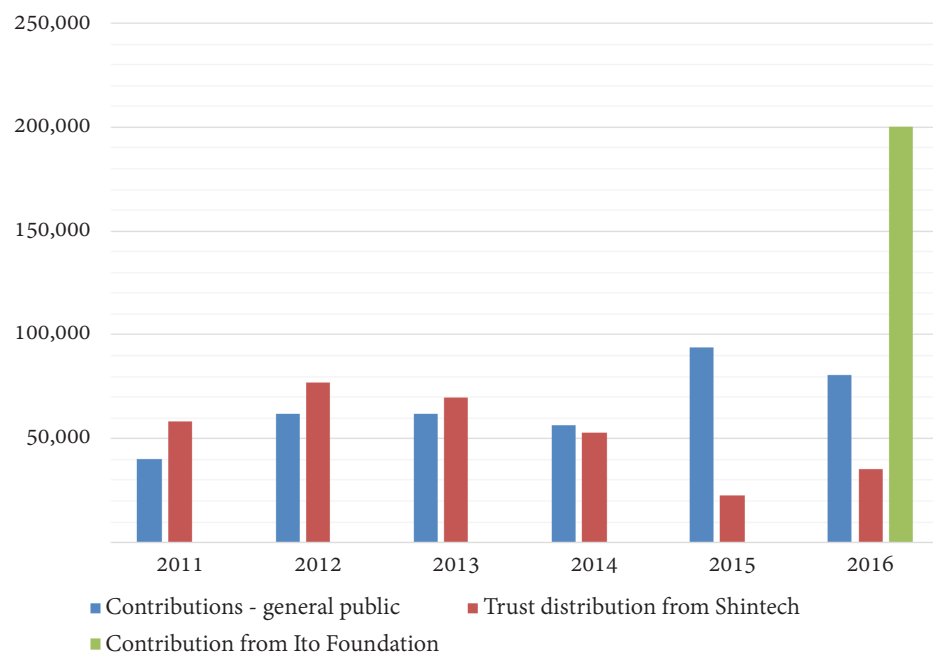
Yamakawa Kenjiro Memorial Lecture Travel Grant

Prof. N. Hiwatari (PI)

This fiscal year, we start a new fund support to provide Yale faculty members a travel grant in the amount of \$7,000 to deliver the Yamakawa Kenjiro Memorial lecture at the University of Tokyo. The lecture series is aimed at establishing new ties and strengthening existing ones between the two institutions. By disseminating information about research at Yale, the lectures have been helpful in introducing the scope and depth of research conducted at Yale to graduate and undergraduate students at UTokyo whetting their appetite to conduct part of their research or education at New Haven.

Fundraising Results of FY 2015-2016, and Revenue and Expenses

The annual fundraising campaign in FY 2015/16 (July 1, 2015 – June 30, 2016) concluded with a total revenue of approximately \$316,000 which shows an unprecedented growth in contribution revenues compared with the previous five fiscal years (\$116,000 in FY 2014/15, \$110,000 in FY 2013/14, \$131,000 in FY 2012/13, and \$139,000 in FY 2011/12).



The substantial increase in contribution revenues is attributable to a grant in the amount of \$200,000 FUTI received from Ito Foundation U.S.A. The grant was provided to support the “Ito Foundation U.S.A. – FUTI Scholarship,” a new scholarship program launched in FY 2015/16 with the purpose of financially assisting students of UTokyo who will study in the United States.

The next largest contribution was a trust distribution from Shintech, Inc. The amount was at approximately \$35,000 as determined upon renewal of the trust agreement in FY 2014/15 for the following five years.

The number of individual donors has increased to 68 in FY 2015/16 from 54 in FY 2014/15, while the amount remained at a level equivalent to that of the previous year, i.e. \$80,000. This amount includes a \$20,000 donation from Dr. Chou (H. K. Chou Charity Foundation), a major donor in FY 2015/16 who is a well-known figure in the semiconductor industry.

(continued on next page)

Fundraising Results of FY 2015-2016, and Revenue and Expenses

We are sincerely thankful to Ito Foundation U.S.A., Shintech, Inc. and H. K. Chou Charity Foundation for their generous support of FUTI's mission. Above all, we extend a deeply grateful thank you to the many individual donors who continue to support our activities. As a condition to secure a grant from Ito Foundation U.S.A. in the future, it is required for FUTI to raise sufficient funds from an individual donor base. While we did not reach a target of \$100,000 this year, we appreciate each and every person who contributed to FUTI and encourage their continued support of FUTI; without these individual donors, many of our programs including Ito Foundation U.S.A. – FUTI Scholarship would not be possible.

Over the past several years, we have made great strides to nurture our programs. We are pleased to see the growth of our scholarship and research grant programs and the educational endeavors of our scholarship and grant recipients. It will be greatly rewarding for us to see UTokyo increase its presence in the global community, which is becoming more and more competitive with many other well-recognized universities across the globe, including those from advanced countries. FUTI is enormously thankful for your support of FUTI, which enables us to send many highly qualified students into the global community.

Summary of Financial Statement FY 2015-2016

Statement of Financial Positions (Unit: US Dollar)

Assets		Liabilities	
Current Assets		Current Assets	
Checking & Savings Accounts	431,718	Grants authorized but not paid	160,667
Fixed Assets		Long-term Liabilities	
Laptop PC (Undepreciated Portion)	190		0
Total Assets	431,908	Total Liabilities	160,667
		Net Assets	
		Unrestricted Assets	133,969
		Temporary Restricted Assets	88,387
		Permanently Restricted Assets	48,885
		Total Net Assets	271,241
		Net Assets and Total Net Assets	431,908

Statement of Activities (Unit: US Dollar)

Support and Revenue		Expenses	
Contributions	315,716	Grants (Research Grants, Awards)	213,966
Program Revenue	2,425	Managerial and general	24,604
Interest	191		
Total Support and Revenue	318,332	Total Expenses	238,570
Revenues over Expenses	79,762		
Net assets, beginning of year	191,479		
Net assets, end of year	271,241		

FUTI Lecture Series

The objective of the FUTI Lectures Series is to provide UTokyo alumni and others with an opportunity to explore, challenge and debate salient issues with visiting UTokyo scholars and distinguished alumni in an informal setting. The events generally take place in a mid-Manhattan location.



Lecture Theme

“A Future Energy Source, Nuclear Fusion, and Study of Plasmas in the Universe”

Lecturer and Affiliation

Dr. Masaaki Yamada (Distinguished Research Fellow, Princeton Plasma Physics Laboratory, and President of FUTI)

Date

March 11, 2016

Supporting Organizations

New York Ichō-kai and Satsuki-kai America

Lecture Theme

“The Panama Papers in Perspective—How Illicit Capital Flows Make Us All Vulnerable”

Lecturer and Affiliation

Prof. Krishen Mehta (Senior Global Justice Fellow at Yale University)

Date

May 16, 2016

Supporting Organizations

New York Ichō-kai and Satsuki-kai America



Lecture Theme

“The Expanding Oceanic Desert”

Lecturer and Affiliation

Prof. Ken Furuya (Director and Executive Vice President of UTokyo, Professor in the Graduate School of Agriculture and Life Sciences, and Director of FUTI)

Date

September 30, 2016

Supporting Organizations

New York Ichō-kai and Satsuki-kai America



FY 2015-2016 List of Donors

Friends of UTokyo, Inc. gratefully acknowledge and appreciate the gifts from our donors which help to support the FUTU Global Leadership Awards and the other many activities to further the globalization and future development of The University of Tokyo in the U.S., Japan and in the world.

CORPORATION	Iwao Ojima \$1,500	Junji Takegami \$500	Jotaro Hamada \$100
Benefactor (\$25,000 or more)	Masako Osako \$1,500	Yasutomo Uemura \$500	Takeo Iwamoto \$100
Ito Foundation U.S.A. \$200,000	Takeo Hoshi \$1,000	Yasuhide Watanabe \$500	Anonymous \$100
Shintech Inc.* \$35,079.71	Chiaki Kusuhara \$1,000	Yoichi Yoshida \$500	Anonymous \$100
*Dividend income from a \$5 million trust fund created for the benefit of FUTU.	Geeta Mehta \$1,000	Anonymous \$500	Anonymous \$100
INDIVIDUALS	Hirokazu Miura \$1,000	Friends (\$250-\$499)	Anonymous \$100
Sponsor (\$20,000 or more)	Ono Seiei \$1,000	Tadasu Takuma \$357	Names only (in alphabetical order)
Hsun K. Chou \$20,000	Takuo Sugano \$1,000	Masako Yamada \$300	Tadao Fujimatsu
Donor (\$1,000-\$9,999)	Motomu Takahashi \$1,000	Anonymous \$300	Tetsunosuke Fujisaki
Hisashi & Masae Kobayashi \$6,000	Ko-Yung Tung \$1,000‡	Keiichiro Hayashi \$250	Ken Furuya
Masaaki Yamada \$5,000	Marc Wilk \$1,000	Masayuki & Sakiko Ono \$250	Koichi Hamada
Shunpei Yamazaki \$5,000	Anonymous \$1,000	Erika White \$250	Jung-Kook Hong
Donald Allison & Sumiko Ito \$4,000‡	Supporting Member (\$500-\$999)	Kenichiro Yamada \$250	Hisao Kameda
Motoatsu & Nobuko Sakurai \$3,000	Toyoo Gyohten \$500	Donations under \$250	Shunichiro Karato
Yuichiro & Chika Kuwama \$2,500	Shunichiro Kishioka \$500	Hiroaki Sando \$200	Takeshi Komoto
Yasuo Okamoto \$2,500	Atsushi Sato \$500	Anonymous \$200	Shigenori Matsushita
Hiroshi Komiyama \$2,000	Takeshi Sokai \$500	Anonymous \$200	Thong Nguyen
Sadayoshi Okubo \$1,752.90			Kyota Omori
			Mami Terai
			Nobuo Urata
			Tsutomu Yoshida

FY 2015-16 total: 3 corporations†, 63 individuals; \$316,709.61‡

† Matching gift from State Street Bank Foundation ‡ Total including matching gift