

GIP-TRIAD

Newsletter

Dec. 2016

Vol.

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1 / Introduction

The 5th GIP-TRIAD Joint meeting was held at University of Tsukuba (UT) on September 20, 2016, and preparations for the opening of the Global Innovation Joint-Degree Program (GIP-TRIAD) are nearing completion. Also, Global Food Security Course, Master's Program in Agro-Bioresources Science and Technology (the double degree program) being implemented in cooperation with UT's partner universities National Taiwan University (NTU) and University of Bordeaux (UB), is now in full swing in its second year. It is becoming increasingly active not only in terms of cooperative research and foreign student exchange, but also as a means for mutual transfer of students through a variety of international exchange programs. The 5th installment of the GIP-TRIAD newsletter focuses on Tsukuba Global Science Week (TGSW), an event held every year at UT, as well as a report on the GIP-TRIAD Joint meeting. The newsletter also introduces international exchange events and the activities of students at University of Tsukuba, National Taiwan University, and University of Bordeaux.

2 / Activities

... TGSW 2016 - International Bio-Entrepreneurship Training

Bio-entrepreneurship training, with its international perspective, is drawing attention in recent years for its collaboration with industry, government and academia, and its function as a key in producing new innovation. In this session, the Ph.D. Program in Human Biology (HBP) and Global Innovation Joint-Degree Program (GIP-TRIAD) worked in cooperation with the University of Tsukuba's network of overseas offices in many foreign countries all over the world and attempted to cultivate bio-entrepreneurship.

Following lectures about global bio-entrepreneurs from lecturers of various countries, students presented bio-venture company proposals as part of a presentation competition. Lecturers were invited from various countries, and Prof. Yoshihiro Takemoto (Tokyo Medical and Dental University), our guest from Japan, spoke on the history of entrepreneurship in Japan as well as what will be required of entrepreneurs in the future. Prof. Ning-Sing Shaw (National Taiwan University), our guest from Taiwan, gave a detailed introduction of entrepreneur training carried out at NTU. Prof. Elliot Botvinick (UCI: University of California, Irvine) introduced the current state of incubation, industry-academic cooperation, and entrepreneur training at UCI. Prof. Julio Cesar Ferreira (University of Sao Paulo) introduced the latest information on startups in Brazil, Sao Paulo, and University of Sao Paulo, as well as activities of the university. Prof. Dominique Rolin (University of Bordeaux), one of the professors in the GIP-TRIAD program, introduced the current conditions of entrepreneur training in the master's course at UB and also spoke of internship education in coordination with companies, a unique characteristic of European universities.

During the bio-venture presentation contest, students from various countries presented their own original ideas for venture companies. The professors who participated in the session (both Japanese and foreign staff) assigned scores to each presentation and evaluated the ideas presented by each of the students. The presentation by Ms. Rachel Gurlin (UCI) received the best score, and she won the Best Entrepreneur Award. Finally, two European agribusiness companies (MAÏSADOUR SEMENCES: Mr. Antoine Gaillard, Arysta Life Sciences: Mr. Hiroshi Furukawa) shared information and background about their cooperation with the University of Bordeaux. An active question and answer session was also held, offering a good opportunity to learn about current entrepreneur training and different initiatives undertaken in various countries.



Top: Opening speech by Prof. Akira Shibuya, Program Leader of HBP

Bottom: Prof. Dominique Rolin



A scene from the session



Prof. Yoshito Kumagai, Program Leader of GIP-TRIAD, presents the award



Group picture

... TGSW2016 - GLiD (Growth & Learning identification powered by Instructional Design)

To prepare for the jointly managed Global Innovation Joint-Degree Program run by the three universities (University of Tsukuba, National Taiwan University, and University of Bordeaux), an international meeting has been held each year since 2014. In advance of the 5th Global Innovation Joint-Degree Program meeting held on September 20, 2016, a student education evaluation system workshop (this session) was held. In the GIP-TRIAD program, reaching a certain standard with the GLiD (Growth & Learning identification power by Instructional Design), which measures achievement level evaluations, is one of the requirements for completing the master's program. GLiD is a web-based evaluation tool to measure learning outcome, and although it has already been implemented for the Ph.D. Program in Human Biology and Master's Program in Medical Sciences, it will be introduced as part of a customized system for the GIP-TRIAD program with the goal of preserving the value of internationally-earned credits. In this session, the developer of GLiD gave an explanatory message, and participants were able to try out the actual GIP-TRIAD for themselves afterward. Through the exchange of opinions, understanding between developers and users was improved. In the first half, participants brought computers with them, and Mr. Takamitsu Asano from Learning Initiative Inc., the developer of GLiD, gave an explanation after which participants tried out a demonstration of the system. The GIP-TRIAD instructors in attendance, who had been debating the introduction of this system, now took on the role of students, entering data into and operating the system. In this way, they were able to clearly picture how the system would be used in the actual educational environment. After this experience, in the second half of the event, a lively discussion unfolded regarding issues such as procedures to be taken by the teaching staff performing evaluations, the best way to evaluate technical knowledge, the possibility of changes to data entered by students, and the operating environment during data entry. The staff in attendance from National Taiwan University and the University of Bordeaux were especially vocal at this time.

The first students in the GIP-TRIAD program are scheduled to be admitted in September 2017. This session provided a good opportunity for staff from the three universities to share issues.



Top left: A scene from the session, Top right: System explanation by the GLiD developer
Bottom left, bottom right: Scenes from the exchange of opinions after trying out the system

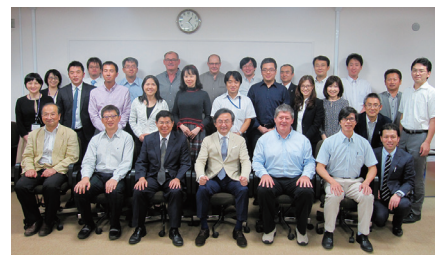
... 5th International Conference for Global Innovation Joint-Degree Program

On September 20, 2016, a joint meeting for the Global Innovation Joint-Degree Program (GIP-TRIAD) was held at University of Tsukuba. Relevant staff from other universities participating in the program, National Taiwan University and the University of Bordeaux, attended this meeting. All attendees discussed issues related to preparing for the launch of the GIP-TRIAD joint degree program (JDP) to be run by the three universities. Professors Dominique Rolin, Thierry Noel, Michel Hernould and Associate Professor Kentaro Mori attended from UB, Professors Hsinyu Lee, Tsai-Kun Li, Ming-Ju Chen, and Chang-Chuan Chan, Associate Professors Han-Yi E. Chou and Tang-Long Shen, Ms. Chia-Yao Lin and Mr. Andrew Tsung attended from NTU, and Professors Yoshito Kumagai (Program Leader of GIP-TRIAD), Kazuya Morikawa, Masayuki Matsumoto, Masao Ichikawa, Yuichi Yamaoka, Hiroshi Ezura, Chiaki Matsukura, Associate Professor Ryosuke Ohniwa, Assistant Professors Junichi Peter Abe, Nobuhiko Akazawa, and Yoshihiro Okabe, Messrs.

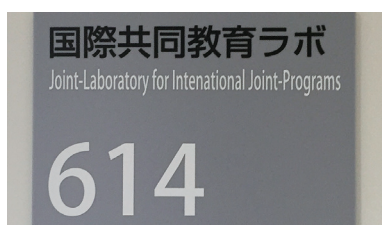
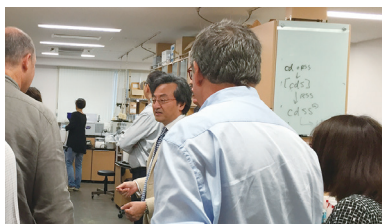


Top left: Prof. Yoshito Kumagai program reader of GIP-TRIAD who explains objectives of the meeting, Top right, Bottom left and right: Scenes from GIP-TRIAD Joint meeting

Toshiaki Sato, Satoru Ishihama, Akio Motomura, Akio Nakagami, Mmes. Yuko Matsukane, Nobuko Fukushima, and Reiko Hirose attended from UT. In the morning before the meeting, the GIP-TRIAD staff toured the Tsukuba campus facilities (medical E building, where renovations have been completed) scheduled to be used by students in the program. Afterward, following a break for lunch, the meeting was held with relevant staff in attendance. Prof. Kumagai made opening remarks and discussed the purpose of this meeting. Attendees reported on a variety of items such as curriculum design, entrance examinations, letters of agreement, and company internships. Afterward, Prof. Rolin confirmed the topics for debate at this meeting, and the participants discussed the specific details of operating a degree program, anticipated problems, and the schedule moving forward. Continuing from the last joint meeting held in Bordeaux, this meeting also provided an active and meaningful discussion.



Group photo in GIP-TRIAD Joint meeting



Campus Facility Tour

Top left: Tour of Prof. Kumagai's laboratory, Top center: Tour of medical research facilities, Top right: Staff office

Bottom left: Sign for the Joint Laboratory for International Joint Programs

Bottom center, bottom right: Scenes from inside the joint research laboratory

... TGSW 2016 - Bordeaux Cafe

On September 18, 2016 during TGSW 2016, the Bordeaux Cafe event themed on collaboration with industry and academia was held, sponsored by the University of Bordeaux. First, following an introduction of UB's industry cooperation initiatives by Prof. Vincent Dousset, Vice President, International Relations. Afterward, the event featured talk sessions conducted by Professors Dominique Rolin and Michel Hernould from UB and Research Director Antoine Gaillard from the French company MAÏSADOUR SEMENCES. MAÏSADOUR SEMENCES has been associated with the University of Bordeaux for many years, such as master's course (Master Biology AgroSciences) at UB and receiving students for internship and, etc.

It was interesting talk sessions about the ideal of University and collaboration with enterprises at France. Afterward, rare wine distilled at University of Bordeaux was served along with Bordeaux cheese and canneles, a traditional dessert from the region. It



Top center: Bordeaux Cafe poster, UB brand Bordeaux wine, Other photos: Scenes from the session

was a good opportunity to experience cultural exchange Bordeaux style. Among the participants in this session, some were students who had taken part in a summer school program at the University of Bordeaux as part of the international agricultural research program implemented by UT's College of Agro-Biological Resource Sciences, and the event generated increased interest in further exchange with the University of Bordeaux.

... Taiwan Culture Week

Taiwan Culture Week was held in the city of Tsukuba from September 16 to 20. Sample tastings of NTU brand Oolong Tea as well as pineapple cakes, a popular Taiwanese dessert were served. Large numbers of people attended each day, and the event enabled them to get a better sense of Taiwanese culture through photos of Taiwan, writings and drawings by Taiwanese exchange students, all the while enjoying the aroma of Taiwan's fine tea. Exhibitions by universities such as NTU and National Cheng Kung University as well as by Taiwanese businesses were also on display. In addition to the exhibitions, the week featured a variety of events such as two citizen lectures, "Hidden Taiwan" and "Taiwanese Language," a talk show with Asa Nonami, a writer and Naoki Prize winner with a deep knowledge of Taiwan, puppet play performances by Hsin Hsing Ku Puppet Show Troupe, and choral performances of Taiwanese songs by the Kanto Region Taiwanese Doctors Group. The week was a great success, and seats were full for all of these events. More than 1,500 people visited the site during Taiwan Culture Week, and the event was a very good opportunity for them to learn about the charm of the country.



Scenes from Taiwan Culture Week



Left: Group photo from the opening, Right: Taiwan Culture Week poster

... October Entrance: Exchange Student Orientation (Master's Program in Agro-bioresources Science and Technology)

On September 30, 2016, an orientation program was held for students entering the Graduate School of Life and Environmental Sciences and Master's Program in Agro-bioresources Science and Technology in October. Prof. Yuichi Yamaoka, Chair of the Master's Program, gave a welcoming speech, and a general explanation of majors in each of the programs was given afterward. Explanations of the joint international agriculture research expert training program, and Global Food Security Course curriculum, etc. were provided by Assoc. Prof. Tofael Ahamed and Prof. Sosaku Ichikawa. Continuing on, the new students and tutors all gave self-introductions. A welcome party for new students and current exchange students, along with the staff in related departments, was held that evening.



Top left: Professor Yamaoka, Chair of the Master's Program, gives a general overview of the majors
 Top middle, right: Associate Professor Tofael Ahamed and Professor Sosaku Ichikawa explain the curriculum for each program
 Bottom left: Scene from the self-introductions of new students and tutors
 Bottom center: Group photo, Bottom right: Scene from the welcome party for new students

... **Dr. Robert Habib, head of the international department of French Institut National de la Recherche Agronomique (INRA), visits the University of Tsukuba's Gene Research Center**

On September 30, 2016, Dr. Robert Habib, head of the international department of French Institut National de la Recherche Agronomique (INRA), visited UT along with Mr. Takashi Nagai, head of the international co-operation section of the National Agriculture Food and Research Organization, and made a courtesy visit to Vice President Yasuo Miake (Executive Director for Research). Afterward, they toured the Gene Research Center and had an informal chat with Professors Hiroshi Ezura (head of the Gene Research Center), Makoto Kawase (head of international exchange in the global commons organization), Kazuo Watanabe, Chiaki Matsukura, and Yoshihiro Okabe. Also, Professors Hiroshi Ezura and Chiaki Matsukura shared information on the background of events leading up to the international cooperation between the INRA Bordeaux Center and the Gene Research Center as well as an update on the recent activities of the international joint laboratory. Professor Kazuo Watanabe also introduced the evaluation facility for transgenic plants, and everyone shared their opinions on topics such as future cooperative projects.

This Gene Research Center was opened in 2008 as an international joint laboratory for working with the INRA Bordeaux Center, mainly on tomato research at that time, and the center has been actively engaged in research exchange and personnel exchange for students, researchers, and faculty since its opening. Also, The Global Food Security Course (Double degree program) in Graduate School of Life and Environmental Sciences was launched in April 2015, and the facility continues to work toward strengthening coordination of educational activities. In order to further solidify these international cooperation system, this university is currently working to prepare a three-party "International Associated Laboratory (LIA)" in collaboration with INRA and University of Bordeaux. As a result of these initiatives, invigoration of international research and educational activities is anticipated.



Top left: Visiting Vice President Miake (Vice President Yasuo Miake (second from the right), from the left: Professors Makoto Kawase, Chiaki Matsukura, Hiroshi Ezura (head of the Gene Research Center), Robert Habib, and Takashi Nagai)

Top right: Scene from the discussions

Bottom left: In front of the Gene Research Center

(From the left: Professors Makoto Kawase, Hiroshi Ezura (head of the Gene Research Center), Chiaki Matsukura, Robert Habib, Takashi Nagai)

Bottom right: Observing the Gene Research Center (Prof. Kazuo Watanabe and related staff explaining the facility)

... **Preparations at the College of Bioresources and Agriculture, National Taiwan University for distance learning using materials from UT's Life and Environmental Sciences Research and Biological Resources courses**

Prof. Yutaka Kitamura, head of the department, Prof. Hiroshi Ezura (school affairs supervisor), and Asst. Prof. Junichi Peter Abe (Taiwan exchange supervisor) visited the College of Bioresources and Agriculture, National Taiwan University from October 20 to 22. On the first day of their visit, the 3 toured a distance learning facility set up within NTU. The next day, they held a meeting with the four department heads from the main departments of NTU, the school affairs faculty, the head of the UT's Taiwan Office and Assoc. Prof. Ryosuke Ohniwa to discuss the details for preparing remote classes. As a result of this meeting, the decision was made to implement distance learning for one department within the school year (as intensive lessons), with remote classes for the remaining three departments scheduled for introduction the following year.



Group photo of the meeting with the four major departments at National Taiwan University

... **Sending and receiving students for Global Food Security Course-Double Degree Program (DDP) between UT and NTU**

For NTU's DDP, three students from UT were sent in the first term and they have been studying at National Taiwan University since early September. Over the course of the next year, they will be carrying out research for writing a master's thesis under the guidance



A lunch event with the three DDP students from the University of Tsukuba (from the left: Assoc. Prof. Ohniwa, Ms. Watanabe, Asst. Prof. Abe, Prof. Kitamura, Mr. Inohara, Prof. Enomae, Mr. Morii)

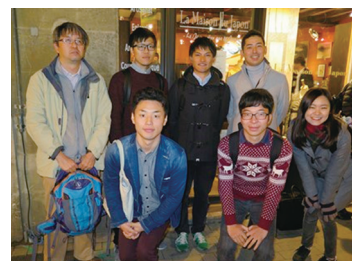
of teaching staff at National Taiwan University, and will also take part in the master's program at the university. Also, from September 29 to October 3, the final qualifying test for National Taiwan University students looking to enroll in the DDP program was held, and three students from National Taiwan University will be admitted to this university in April 2017 as the second graduating class of the DDP program. For GIP-TRIAD, UT's Taiwan Office will provide full support for all of these activities.

... Study abroad career support seminar planned by UT student in Bordeaux

On November 5 and 6, 2016, a career support seminar for Japanese exchange students was held within the city of Bordeaux that was planned and executed by Masaki Asachi (currently in the second year of the major), a student in the Master's Program in Agro-bioresources Science and Technology Global Food Security Course (for the first part of the double degree program) who is currently studying abroad at the University of Bordeaux. As a speaker, Mr. Bunta Nakanishi, representative director of Cubridge K.K., was invited to speak, and on the 5th, he gave a



Left: Mr. Nakanishi gives his lecture



Right: In front of La Maison du Japon after the first day of the seminar (Mr. Nakanishi from Cubridge K.K. is in the back row on the right and Mr. Masaki Asachi, the seminar organizer is to his left)

lecture on the difficulties exchange students face during their job search, and a group discussion related to studying abroad was also conducted. On the 6th, the lounge of a hotel in the city was used for mock interviews. During the event, three other students from UT participated, and 14 other Japanese exchange students studying at the University of Bordeaux and Université Bordeaux-Montaigne also took part. The group discussion was full of energy. Also, the mock interviews featured such elements as the students taking turns playing the interviewer, and the seminar was a truly meaningful experience for all participants.

Prof. Chiaki Matsukura (Faculty of Life and Environmental Sciences), who is currently stationed at UT's GIP Bordeaux offices, also participated in the event and provided support for its operation. Also, after the seminar, he exchanged opinions regarding activities of job hunting and challenges for Japanese exchange students with Mr. Nakanishi and requested his cooperation in providing a general introduction of GIP-TRIAD and internship requests.

In addition, the event on the 5th was held in the seminar room of La Maison du Japon thanks to the kind offer of the owner, Mr. Takenori Shindo. We take this opportunity to express our gratitude.

... Distance learning program among National Taiwan University, Kyoto University and University of Tsukuba

A joint distance learning program run by National Taiwan University, Kyoto University, and the University of Tsukuba on the theme of cancer biology was held in the fall of 2016, starting October 1.



A scene from distance learning carried out at the University of Tsukuba

... Study Abroad Fair 2016 in Tsukuba, Taiwan, and Bordeaux

With the start of the fall term, University of Tsukuba, National Taiwan University, and University of Bordeaux held an overseas study fair event that is becoming an annual tradition. At University of Tsukuba, Study Abroad Fair 2016 was held on October 19, and the Bordeaux Office and Taiwan Office each manned a booth. At the Bordeaux booth, staff answered students' questions about the double degree program with cooperation from students currently studying abroad in Bordeaux.

In Taiwan, the content mainly consisted of visits to high schools with bilingual courses and an introduction to English programs for students. There was also an explanatory meeting in Taiwan, and students from Taiwan currently studying abroad at the University of Tsukuba



Study Abroad Fair (at UT) poster



Conversations between DPP students at the University of Bordeaux and the University of Tsukuba



UT students assisting operations



A scene from the study abroad explanatory meeting for Japan held in Taiwan

took part via Skype, explaining the appeal of the University of Tsukuba to the students in attendance. From November 14 to 18, an international week event was also held at the University of Bordeaux. The University of Tsukuba Bordeaux Office set up booths on the Talence Campus (14th), Victoire Campus (15th), Carreire Campus (16th), and Pessac Campus (17th) in order to introduce the school and provide consultation for students considering studying abroad. During the event, Ms. Jelena Glisic was dispatched from the UT Office of Global Initiatives, and she handled booth placement and operation with cooperation from the Bordeaux Office. Also, four UT students currently studying abroad at the University of Bordeaux and students at the University of Bordeaux with study abroad experience cooperated at the booth and helped with visitors. During the event, approximately 70 University of Bordeaux and Université Bordeaux Montaigne students in total visited the booth. There were many questions about a wide variety of things such as the location of Tsukuba city and English programs that are implemented, and it was clear that there is a strong interest in studying in Japan. Parallel to these endeavors, Prof. Michel Hernould conducted a GIP-TRIAD explanatory meeting on the Carreire Campus on November 14, and about 20 students participated. Anticipated results of this initiative include increased exchange with the University of Bordeaux and National Taiwan University, improved awareness of GIP-TRIAD and double degree programs, and new interest in studying abroad and admission into the GIP-TRIAD program.



Top left: UT students assisting with operations at the Talence Campus

Top middle: Introducing GIP-TRIAD on a PC (Talence Campus)

Top right: UT students assisting with operations at the Carreire Campus

Bottom left: Distributing materials to students interested in studying abroad (Talence Campus)

Bottom middle: Scene from a social gathering on the Victoire Campus (In front, from the left: Ms. Veronique Debord-Lazaro, Director of the University of Bordeaux International Office; Ms. Hélène Jacquet, Vice Director of Research and International Exchange, University of Bordeaux; Ms. Jelena Glisic, CiC Supervisor, Office of Global Initiatives, UT)

Bottom right: A UT student answering questions from a University of Bordeaux student (Pessac Campus)

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Editor's Note

Recently, the mutual exchange of students with an arrangement with UT either on a school or department level, and exchange not only in relation to collaborative research but students participating in DDP with partner universities is becoming a more active part of the study abroad program. In the future, we anticipate more and more students becoming interested in collaborative degree programs for master's and doctorate degrees. Going forward, relevant information for teaching staff stationed in local areas, students, and overseas offices will be developed and enriched further. We hope to make this newsletter beneficial to all of you, so if you have any comments or requests, please do not hesitate to contact us at the information below.

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