



CONTENTS

News.....	1-5	Overseas Offices	6
Greetings.....	7		

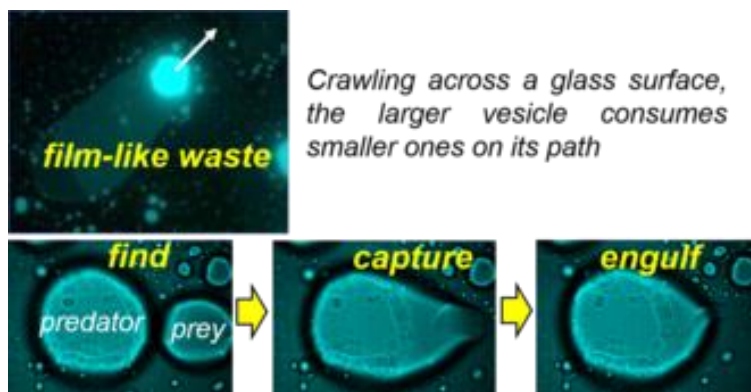
News

Research of Molecular Chemical Engineering Laboratory (Faculty of Science and Engineering) Featured in Chemistry World magazine

The research of the Molecular Chemical Engineering Laboratory (Faculty of Science and Engineering) submitted to the Molecular Systems Design & Engineering (published by the Royal Society of Chemistry, UK) has been featured in Chemistry World (RSC's chemistry news magazine) with the headline, 'Crawling chemical system acts as if it's alive'.

Title of Research:

'A molecular assembly that crawls on a solid substrate with a metabolic-like process'



This research reported on a molecular assembly called vesicles that crawl around on a glass slide by chemical reaction and maintain their size and energy by ingesting smaller vesicles around them and egesting reaction products. It's been commended as the first-ever research that discovered vesicles moving by metabolizing like a living thing. The article also included interviews with a number of European experts offering analysis such as, "This system is a demonstration of the potential of vesicles as hypothetical precursor compartment structures of the first cells, in how they can offer much more than a simple 'bag' separating internal and external environments," and "Reconstructing life-like systems in the laboratory not only refers to the long-age dream of the scientist making life from non-living, but can help in understanding the principles of life from a physico-chemical perspective."

Journal carrying the article:

Molecular Systems Design & Engineering, first published online on May 12 (8 pages), 2016

Authors:

Masato Nakada (Graduate School of Science and Engineering, completed in 2014)

Yukihiro Fujikami (second year, Master's program, Graduate School of Science and Engineering)

Masaharu Kawaguchi (Faculty of Science and Engineering, graduated in 2014)

Daigo Yamamoto (Associate Professor, Faculty of Science and Engineering)

Akihisa Shioi (Professor, Faculty of Science and Engineering)

Glynnis Saquilayan (Graduate School of Science and Engineering) Receives Best Poster Award at the International Symposium of the Philippines Vacuum Society

On January 14 and 15, 2016, the 1st International Symposium of the Philippines Vacuum Society was held at Ateneo de Manila University in the Philippines, where Glynnis Mae Saquilayan (Major of Electrical Engineering, Graduate School of Science and Engineering) received the Best Poster Award. The award is offered to poster presentations by students based on the evaluation of the research content, poster description, and responses during the Q and A session. Lively discussions took place following Saquilayan's presentation.

Saquilayan received the credit of the Global Resource Management (GRM) Program* at Doshisha University.



Saquilayan (right of photo) with the Chairperson of the Symposium Executive Committee, Mr. C. Mahinay

■Title of Presentation

‘Laser ion source using a cylindrical graphite target for negative ion production’

■Presenter

G. M. Saquilayan

Second year, Major of Electrical Engineering, Doctoral Program, Graduate School of Science and Engineering

■Co-author

Motoi Wada (Professor, Faculty of Science and Engineering)

Atsuko Shimosaka (Lecturer, Faculty of Science and Engineering) Receives the SCEJ Award for Outstanding Women's Activity

From March 13 to 15, 2016, the 81st Annual Meeting of the Society of Chemical Engineering, Japan (SCEJ) was held at Kansai University in Osaka, where Atsuko Shimosaka (a lecturer, Powder Technology Laboratory, Department of Chemical Engineering and Materials Science, Faculty of Science and Technology) received the SCEJ Award for Outstanding Women's Activity.

This award is offered to women who have achieved excellent results in chemical engineering technology or technology used in the chemical industry. Achievements to realize work-life balance, as well as to improve the systems and environment for the promotion of gender equality, are also taken into consideration.

Centering around the development of powder simulation, Shimosaka proposed a microstructural design of functional materials and a precise designing method for the production process. In addition, she applied the method to the analysis and design of many processes, such as mixing, segregation, separation, slurry dispersion and slurry drying.

Title of Presentation:

‘With powder simulation’



Doshisha Team Places Third at the 14th Red Cross International Humanitarian Law (IHL) Moot (Asia-Pacific Region)

From March 9 to 12, 2016, the 14th Red Cross International Humanitarian Law (IHL) Moot (An Inter-University Competition for the Asia-Pacific Region) took place in Hong Kong. Doshisha University's team participated in the event, representing Japan, and placed third for Best Memorial for Defendant. The event was co-organized by the Hong Kong Red Cross and the International Committee of the Red Cross, with the aim of promoting International Humanitarian Law. This year, a total of 24 university teams from 20 countries and regions took part. Participants included traditionally strong teams such as Australia, Singapore and the Philippines, making it a world-class event.



Doshisha's team, which consisted mainly of law students who took the special lecture 'International Humanitarian Law Moot 2015', won the preliminary round held in Japan last December, a victory that enabled them to advance to the finals. Yuki Nakatori (third year at the time of participation) and Jenny Olsen (second year at the time of participation) made impressive oral arguments and placed third in the Memorial Section, while in the General Rounds the team went as far as the quarterfinals. The competition helped to give the team members the

confidence and belief that they can achieve a higher level of performance in the future.

We believe that the participating students developed their powers of persuasion and reasoning through dedication and practice. The experience in Hong Kong helped them realize the universal value of International Law, especially International Humanitarian Law, by addressing issues shared by students from other countries. Doshisha's team is working harder than ever and is extremely keen to participate in next year's competition in a bid to achieve even better results. We look forward to your continuous attention and support.

Doshisha Students Participate in Volunteer Activity for Kumamoto Earthquake

From April 30 to May 8, 2016, eight Doshisha students engaged in Kumamoto earthquake disaster relief efforts, performing a number of useful tasks.

The volunteer center in Kumamoto City recruited helpers to clean up the houses of earthquake victims, as well as prepare meals and clean evacuation centers. Many volunteers from all over the country gathered in the affected areas during the Golden Week holidays. As supporting members of the volunteer center, Doshisha students engaged in operational activities, such as accepting, registering and assigning volunteers, organizing supplies, and identifying the needs of the affected areas, to keep the volunteer activities running smoothly.



The participating students commented, "We were glad to be able to help. We learned many things from the local people and students with whom we worked, and the activities gave us many valuable experiences."

For a more detailed report about the volunteer activities in Kumamoto, please visit the website of the Support Office for Student Volunteer Activities

Website of the Support Office for Student Volunteer Activities
<http://volunteer.doshisha.ac.jp/>

"1-day international exchange" was held

On Friday, January 22nd, twenty three students from Cornell University ("Cornell" hereinafter) and twenty five students from Massachusetts Institute of Technology ("MIT" hereinafter) visited Doshisha University during their stay in Japan for "Kakehashi project" sponsored by Ministry of Foreign Affairs. This study tour was coordinated by Japan International Cooperation Center (JICE), and the students travelled from Tokyo to Kyoto and Shiga to broaden their view of Japan through a farm visit, company visit and international exchange with students from Meiji University and Doshisha University.

Roundtable discussion, the first main part of "one-day international exchange", was held at the presentation court (Learning Commons, Ryoshinkan building, 2F) and started with welcome speeches from Professor Marc Lincicome, the director of Kyoto Consortium for Japanese Studies (KCJS) and Professor Gregory Poole, the dean of the Institute for the Liberal Arts (ILA). All the students including forty two Doshisha students were divided in groups of six to eight people beforehand, and discussed the topic randomly given among the five; "Gender Relations and Gender Equality", "Youth Culture and Social Networking", "Sports in Contemporary Society", "Language Education" and "Democracy". After a short explanation of the topics from professor Lincicome, the students introduced themselves briefly and started talking. They looked shy and hesitated to speak up at first, but gradually enjoyed exchanging candid opinions with each other. Later in the roundtable discussion, the presentation court was filled with excitement and laughter.

After the discussion, lunch party was held at Shikoukan building. At the beginning, Professor Murata, the president of Doshisha University, gave them a welcome speech, and everyone made a toast in the Japanese style. Various dishes were prepared for the students, such as Japanese, Western, Vegetarian and Halal. After they enjoyed delicious dishes, the students from Cornell and MIT explored Imadegawa campus with Doshisha students. They also went out for optional tours and enjoyed sightseeing in Shimogamo shrine, Shokoku-ji temple or Nishiki market.

After the optional tour, they came back to Imadegawa campus and got on buses. Even though the event was finished, around ten of the Doshisha students came to see them off, saying "let's keep in touch" and "I miss you". The event was just for a half day, but became an unforgettable memory for all of them.



Carleton College Off-Campus Seminar – Imadegawa Campus

For about 2 months starting March 31st to June 3rd, Carleton College Off-Campus Seminar 2016 Linguistics was held at Imadegawa Campus. Carleton College is a private liberal arts college located in Minnesota, USA, and is well known for its academic excellence and warm, welcoming campus community. We had 17 Carleton College students who studied Linguistic and some other topics focusing on Japan using Doshisha facilities this year.

This program took importance on field trips and exploring cities besides the classes. Students were required to widen their field of activities in Japan and to experience the life in Japan. They also enjoyed student's life going to places like Izakaya (drinking place), ramen shops, local bakeries, karaoke or local shopping. Program also took the students to Hiroshima where they visited Hiroshima Peace Memorial Park and Miyajima for deeper understanding of Japanese history.

Students seemed to enjoy the transition of seasons from spring with blooming cherry blossoms and to Japanese rainy season as well.

We also had peer students called “Doshisha Peers,” and they helped Carleton students with going on field trips and other things in students' life like advising how to say something particular in Japanese or introducing university facilities. They made good friendships during the program.

The program had Welcome party and Farewell party at dining hall of Amherst Guest House. Carleton College students beautifully sang Doshisha College Song and Carleton College Song for Doshisha Peers at both parties, and Doshisha Peers responded to them by presenting a song “Top of the World” by Carpenters with playing guitar at Farewell party. Closing of the program seemed it really went well with good relaxing atmosphere.

We had this Carleton program 4th time this year and will have another Carleton program with Art History, focusing on the gardens of Kyoto in 2017. We hope to build better programs year by year, and wish more international students will get to know Japan and Japanese culture through learning at Doshisha campus.



Overseas Offices

Doshisha University's overseas offices were established in order to further promote its rapid and effective internationalization. At our overseas offices, we are implementing mainly public relations activities to increase the profile of Doshisha University, while at the same time making the most of the characteristics unique to each office. In addition, we are undertaking various efforts to recruit overseas students, support our students while they are studying overseas, and provide on-site support to members of our faculties while they are overseas.

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Message from Director of International Center

Greetings

“Internationalism”, one of Doshisha’s educational philosophies together with the “Christian principles” and the “Liberalism”, emphasizes the linkage between Japan and the world with a global perspective. According to this philosophy, Doshisha University has been involved with international education and research through active cooperation with overseas partner institutions. In particular, Doshisha University has been selected as one of the 13 leading universities for the Global 30 Project (G30), which was initiated by Japanese government in 2009, and also has been adopted as one of the 11 universities for the governmental grant “Go Global Japan” (GGJ) program of all-university promotion in 2012.

Through promoting two governmental projects for the internationalization of university education, Doshisha University has realized a remarkable increase in the number of international students (1,006 in 2009, 2,362 in 2015) and outbound students (232 in 2009, 1,449 in 2015). Needless to say, these significant achievements have been obtained by broad supports from our overseas partners.

Of course, the most important criteria for internationalization of university are not only the number of inbound and outbound students, but also the quality of education and research to match with the international needs. As a new voyage, we have opened The Center for Global Education (CGE) from the Spring semester in 2016, which is designed to enhance the co-educational environment of general education courses for both Japanese and international students in English. I hope this new educational organization will provide international students with another opportunity for their studying in Doshisha University.

So far, we have cooperated with overseas partners mainly through student exchanges, I also hope to strengthen the research network by implementing joint projects as well as faculty exchanges.



Professor Yuejun Zheng
Director for International Center
Director for Internationalization Promotion Office
Doshisha University

Greetings from Office of International Students

Dear Partners,

When you read this newsletter (early August), students in Doshisha will be studying so much for their final exams. Once they're finished, they will be enjoying the so anticipated summer vacation!

The Doshisha staff will also take vacations by shift, but we are already preparing to receive the new students who will enroll in this Fall semester.

There are three sections in our Office of International Students: first is the Section for International Admissions which handles the entrance examination for international students and public relations.

The second and third are the Section for International Students at both Imadegawa and Kyotanabe campuses, and they are in charge of supporting currently enrolled students.

For all international students interested in pursuing their studies in Japan, Kyoto and Doshisha University, be at ease as we will embrace you with hospitality spirit.

Warm Regards,
Office of International Students



Great Voyage is published by the International Center at Doshisha University.

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