

【Type of Project】(Adopted year: AY2011, Type A - I CAMPUS Asia Pilot Program)

A Cooperative Asian Education Gateway for a Sustainable Society: Expanding Frontiers in the Science and Technology of Chemistry and Materials

【Project Aim】

In the 21st century the relative role and importance of Asian science, technology and economic power in the World is constantly increasing. Accordingly, the current program is targeted at the education of globally thinking and acting specialists in Chemistry and Material Science

【Summary of project】

To carry out scientific exchange between Japan (Nagoya University, Tohoku University), China (Nanjing University, Shanghai Jiao Tong University) and Korea (Seoul National University, POSTECH), aiming for the establishment of a leading Asian educational cluster in the field of Chemistry and Material Science that will become a key point in the creation of a sustainable society.

■ Forming a University Network with Quality Assurance

○ Consortium of 6 Top-Level Universities (2 each from Japan, China and Korea) in the field of Chemistry and Material Science

Shanghai Jiao Tong University, Nanjing University, Seoul National University and POSTECH are participating in the Project on the Chinese and Korean sides, respectively. Together with Nagoya University and Tohoku University, these 4 universities from China and Korea have agreed to exempt tuition fees for the Project's exchange students. The universities of the Consortium unified their approaches to the credit and grades system for the exchange students under a "Joint Exchange Agreement".

Research Seminar (Shanghai Jiao Tong University, Mar. 2014)

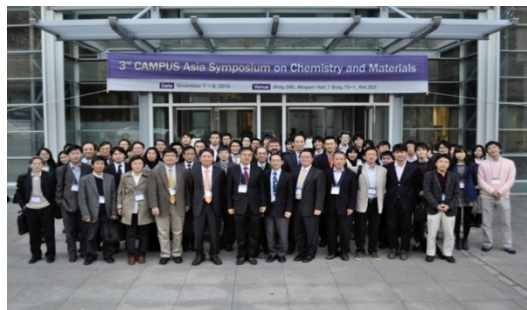


○ Exchange of Top-Class Students

Each country chooses its best students to participate in the Project. This Program involves improvement of language abilities that will help to break through any language barriers on the road to nurturing globally thinking chemists. An Associate Professor with experience of teaching in English is hired by our Program to give lectures in English. Besides this, along with the Joint Symposia, "Educational Research Trips" to China and Korea are offered. A "D2 Conference" is also organized to give an additional opportunity for D2 students to hone their skills in oral English presentations.

■ Outline of exchanges accomplished and preparation for future activities

Participants of the 3rd Joint Symposium (Nov. 2013, Seoul National University)



○ 3rd Joint Symposium

The 3rd Joint Symposium took place on November 7-9, 2013 at Seoul National University (Korea) and brought together over 100 participants. The next Joint Symposium will take place in November 2014 at Tohoku University.

○ Intensive Lectures at Collaborating Universities

The Campus Asia Program also supports smaller meetings and activities (e.g. lecture tours) stimulating joint research. Besides this, professors from the collaborating universities deliver lectures to the students visiting their universities during educational research trips.

	2011	2012	2013	2014	2015
Accepted number in Japan(J)	C1,K0	C15,K7	C11,K9	C6,K6	C6,K6
Accepted number in China(C)	J0,K0	J19,K3	J24,K2	J6,K5	J6,K5
Accepted number in Korea(K)	J0,C0	J12,C3	J27,C7	J6,C5	J6,C5

J=Japan, C=China, K=Korea AY2011-2013: Results, AY2014-2015 : Planned
Note: The number of students for educational exchanges is included in these figures

■ Student Mobility in Terms of Exchange Programs

○ Outbound

As a rule, graduate students are selected for the exchange program. They can choose a laboratory for their visit. Together with their research activities, they attend specialized courses at the universities they and receive credits. In 2013, 13 students were sent abroad.

○ Inbound

Foreign students are encouraged to visit Japanese Universities. In 2013 the total number of visiting students from China and Korea was 20.

■ Promotion of Student Mobility Environment

○ Summer Schools Promoting International Student Exchange

The students of Tohoku University are gaining invaluable experience of international activities by organizing the Summer Schools. They carry out all necessary arrangements, including inviting the overseas students, providing accommodation, directing the conference, etc.

○ Improvement of Education Environment

At both Nagoya and Tohoku Universities English classes are available, led by foreign teachers via the G30 Program. Wider international activities are promoted in terms of intensive internationalization, and international dormitories are provided for the visiting students.

■ Visualization of the Content of Education, Dissemination of the Outcomes

○ Direct Dissemination of Information via Home Page and Joint Symposia

The Campus Asia home page is periodically updated for the rapid and effective exchange of information. Such important events as the "Joint Symposia" and "educational research trips" are promoted on the home page. Materials prepared with the help of the visiting students from abroad help to extend the bounds of scientific cooperation and student exchange.

Participants of the Summer School (Aug. 2013, Tohoku University)

