

【Name of project】(Adopted year: FY2011, Type A – I)

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

【Aim of project, Ideals of Global Human Resource on the project】

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 the 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".

○ 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 education of 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.

■ Contents of the Programs, Preparation for the Start of the Programs

<Participants of the 4th Joint Symposium (Nov. 2014, Tohoku University)>



○ 4th Joint Symposium

The 4th Joint Symposium took place on November 26-27, 2014 at Tohoku University (Japan) and brought together over 100 participants. The next Joint Symposium will take place in November 2015 at Shanghai Jiao Tong University.

○ 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.

<Summer School (Seoul National University, Aug. 2014)>



■ Student-Mobility

○ 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 2014, 8 students were sent abroad.

○ Inbound

Foreign students are encouraged to visit Japanese Universities. In 2014 the total number of visiting students from China and Korea was 17.

	2011	2012	2013	2014	2015
Accepted number in Japan(J)	C1,K0	C15,K7	C11,K9	C30,K9	C6,K6
Accepted number in China(C)	J0,K0	J19,K3	J24,K2	J2,K5	J6,K5
Accepted number in Korea(K)	J0,C0	J12,C3	J27,C7	J15,C5	J6,C5

■ Promotion of Student-Mobility Environment

Note : FY2011-2014 results, FY2015 planned. : The number of students for educational exchanges is included in these figures

○ Summer Schools Promoting International Student Exchange

This year a Summer School is organized by Seoul National University. Students from all participating universities will attend lectures, presentations and excursions to the industrial facilities. In Tohoku university, as usual, this year International Summer School will take place. Students will exert all necessary activities including the invitation of foreign students and management of the conference, thus getting an invaluable experience in international relations.

○ 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.

■ Internationalization of the university

Information disclosure and Publication of outcome

○ 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.

URL Campus Asia Home Page

<http://campusasia.apchem.nagoya-u.ac.jp/wordpress/eng/>

Tohoku University Campus Asia Home Page

<http://web.tohoku.ac.jp/project-chem/>

<Summer School (Tohoku University, Aug. 2014)>

