

【Type of the Project】 (Adopted year: FY2011, Type A - I CAMPUS Asia Pilot Program)

A Cooperative Asian Education Gateway for a Sustainable Society: Expanding the Frontiers in 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 Present program is targeted at education of the 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) targeted at 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

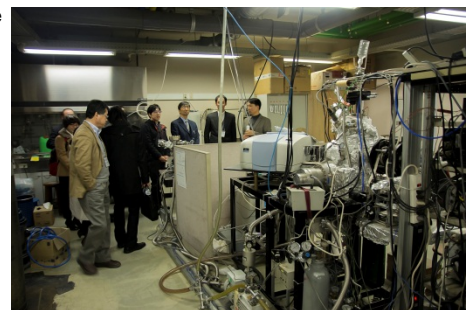
Consortium of 6 top level universities (2 each from Japan, China and Korea) in the field of Chemistry and Material Science

Shanghai Jiao Tong University, Nanjing University, Seoul National University and POSTECH participate in the Project from Chinese and Korean side, respectively. Together with Nagoya University and Tohoku University these 4 Universities from China and Korea agreed to exempt tuition fees for the exchange students. In a "Joint Exchange Agreement" the Universities of the Consortium unified their approaches to the credit and grades system for the Exchange Students.

Exchange of Top-Class Students

It is supposed that each country would choose the best students for the participation in the Project. This Program involves improvement of language abilities that will help to destroy any language barriers on the way of bringing up globally thinking chemists. Associate Professors with the experience of teaching in English are hired by our Program to give lectures in English. Besides, along with the Joint Symposia, "Educational Research Trips" to China and Korea are organized. In addition, "D2 Conference" is organized to give an additional opportunity to D2 students to train their skills in oral English presentations.

(During "Educational Research Trip" in Seoul National University)



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

〈 Participants of the 2nd Joint Symposium; March 2013, Nanjing, China 〉



Joint Symposia

"Kick-off Symposium" took place on March 12-13, 2012 in Nagoya University. About 100 professors and students participated in the Second Joint Symposium held on March 12-13, 2013 in Nanjing University (China). The 3rd Joint Symposium will take place in November 2013 in Seoul National University.

Network facilities for real time communication

In order to be able to make possible a real time communication with the exchange partners, a TV conference system for international seminars has been established in Japanese Universities. It is planned to extend this system to China and Korea

Smaller Conferences

Specialized meetings with smaller number of participants will be organized for the discussion of research cooperation, e.g. before the Joint Symposia.

Student-Mobility

Outbound

As a rule, graduate students are selected for the exchange program. They can choose themselves a laboratory for their visit. Together with the research activities they are supposed to attend specialized courses in the Universities which they are visiting receiving credits for that. In 2012 seven students were sent abroad.

Inbound

Foreign students are encouraged to visit Japanese Universities. If in 2011 only one visiting student from China has been accepted, in 2012 the whole number of visiting students from China and Korea was 17.

	2011	2012	2013	2014	2015
Accepted number in Japan	C1,K0	C15,K7	C6,K6	C6,K6	C6,K6
Accepted number in China	J0,K0	J19,K3	J6,K5	J6,K5	J6,K5
Accepted number in Korea	J0,C0	J12,C3	J6,C5	J6,C5	J6,C5

Notes: White numbers - accomplished exchanges; grey numbers – planned exchanges.

Promotion of Student-Mobility Environment

Nagoya University and Tohoku University

In both Universities English classes led by foreign teachers via G30 Program are available. Further international activities are promoted in terms of intensive internationalization. International dormitories are provided for the visiting students.

Short Stay/Short Visit Program (SSSV)

In 2012 the cooperation with Short Stay/Short Visit (SSSV) program has been accepted in terms of the present Project. This helped to organize a system of accepting and sending abroad students for the periods less than 3 months. In 2012 7 students have already been accepted in Japan, and 5 Japanese students went abroad using this opportunity. The SSSV Program will be further used in 2013 and later when it will be expedient.

Visualization of the Content of Education, Dissemination of the Outcomes

Direct dissemination of information via Home Page and Joint Symposia

Campus Asia home page has been launched in 2011 that creates conditions for the rapid and effective exchange of information. In addition, a home page of the Campus Asia Project in Tohoku University is available. Such important events as Joint Symposia of Educational Research Trips are illuminated at the home page. Materials prepared with the help of the visiting students from abroad help to extend the bounds of the scientific cooperation and students exchange.