

# Collaboration Programs

## (a) International Inter-Institutional Collaboration Program

We have several inter-institutional collaboration programs in molecular science with leading universities and institutes in foreign countries as follows:

Institution	Period	Main Programs
Institute of Chemistry Chinese Academy of Sciences (ICCAS)	2013. 9–2018. 9	IMS Asian CORE Program
Korea Advanced Institute of Science and Technology (KAIST)	2012. 9–2016. 9	IMS Asian CORE Program
Institute of Atomic and Molecular Sciences (IAMS), Taiwan	2011. 2–2014. 2	IMS Asian CORE Program
Freie Universität Berlin (FUB), Germany	2013. 7–2016. 7	International Collaboration Programs
École Nationale Supérieure de Chimie de Paris (ENSCP)	2009.10–2014.10	IMS-IIP-L
The Korean Chemical Society, Physical Chemistry Division	2010.11–2014.11	Workshop
Indian Association for the Cultivation of Science (IACS)	2013. 3–2017. 3	IMS-IIP
Joint Institute for Laboratory Astrophysics, Colorado (JILA)	2008.10–2013.10	International Collaboration Programs

## (b) IMS-Asian Core Program “Molecular Science in East Asian Region toward Post-Nano-Science”

In 2006, Institute for Molecular Science (IMS) started Asian Core Program on “Frontiers of material, photo- and theoretical molecular sciences” (2006–2011). This program, which was sponsored by Japan Society for the Promotion of Science (JSPS), aimed to develop a new frontier in the molecular sciences and to foster the next generation of leading researchers through the collaboration and exchange among IMS and core Asian institutions: Institute of Chemistry, Chinese Academy of Science (ICCAS, China); The College of Natural Science, Korea Advanced Institute of Science and Technology (KAIST, Korea); and Institute of Atomic and Molecular Sciences, Academia Sinica (AIMS, Taiwan). After this JSPS

Asian Core Program was successfully completed in March 2011, we have launched IMS Asian Core Program on “Molecular Science in East Asian Region toward Post-Nano-Science” to further promote collaborations with these four key institutes. Within the framework of this IMS Asian Core Program, an educational program, Asian Winter School, with three key institutes are planned within JFY 2013. In addition, several international seminars and collaborations which were spun off from the previous JSPS Asian Core Program are also in progress within the frame work of IMS International Collaboration and so on.

## (c) Exchange Program for East Asian Young Researchers “Improvement of Fundamental Research Base for Environmental and Energy Problems”

At the Second East Asia Summit (EAS), held in January 2007, Mr. Shinzo Abe, Prime Minister of Japan, announced a plan to invite about 6,000 young people to Japan mainly from the EAS member states every year for the next five years. Based on this plan, the Government of Japan has launched the Japan-East Asia Network of Exchange for Students and Youths

(JENESYS) Programme, under which it is conducting a variety of exchange activities. As a part of the JENESYS Programme, the Japan Society for the Promotion of Science (JSPS) and Japan Student Services Organization (JASSO) have launched the “Exchange Program for East Asian Young Researchers.” Aimed at promoting researcher exchanges with East Asian

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countries, this program supports initiatives by Japanese universities and research institutions to invite young researchers (JSPS) and graduate students (JASSO) from those countries. By supporting exchange programs implemented by Japanese universities and research institutions, the “Exchange Program for East Asian Young Researchers” works to establish and expand networks with researchers mainly from Asian countries. It also helps to develop high-caliber human resources and to create a regional science and technology community. IMS is a center of the basic research of physical/chemistry fields in Japan and has a role for the center of both domestic

and international collaboration. From 2008, IMS has organized the JENESYS program for chemistry/physics fields. IMS provides the opportunity for young researchers from Asian countries to stay in the laboratories related to the basic research for environmental and energy problem. Through the experience, we encourage them to continue the basic research in their own countries as well as to build up the future collaboration. IMS welcomed totally 15 young researchers in 2012 season from Thailand, Indonesia, Malaysia, Vietnam, Philippines, and India.

