

Stepping forward, into science's world



International Collaborations 2012-13

JSPS

Japan Society for the Promotion of Science
International Program Department

JSPS is Japan's core research funding agency supporting the advancement of scientific research.



As Japan's core research-funding agency, JSPS currently has four main program pillars: Supporting research initiatives through Grants-in-Aid, fostering the next generations of scientists, promoting international collaborations, and assisting Japanese universities in their reform efforts.

In its endeavor to promote international scientific exchange, JSPS has to date formed cooperative relationships with 83 counterpart science-promotion institutions in 45 countries and two international organizations. By way of these partnerships, JSPS offers a wide array of programs to support and advance international exchange and collaboration.

This pamphlet gives an overview of JSPS's menu of international scientific exchange programs.



Marking the 80th anniversary of its establishment in 2012, JSPS has long been vigorously engaged in the promotion of science.



JSPS supports international

Sending Young Researchers Overseas

Strategic Young Researcher Overseas Visits Program for Accelerating Brain Circulation

Overseas Training Program Division

This project promotes the mobilization of excellent young Japanese researchers who will play key roles in strengthening international collaborative networks while advancing Japan's own scientific research by supporting their overseas dispatch (as a rule for one year or longer) to engage in joint research projects.

Programs with Final Recruitments before FY 2011

- International Research Experience for Students and Young Researchers
 - Institutional Program for Young Researcher Overseas Visits
- International Training Program (ITP) for Young Researchers



Providing International Experience and Training to Young Researchers

Frontiers of Science (FoS) Symposium

Research Cooperation Division II

These bilateral symposia are held between Japan and the US, Germany and France. Each assembles 30-40 young researchers from the respective countries, who lodge together for three days. The participants are offered a unique opportunity to engage in cross-disciplinary discussions on cutting-edge scientific topics.

ESF-JSPS Frontier Science Conference Series for Young Researchers

Research Cooperation Division II

These conferences provide a platform for young Japanese and European researchers to receive lectures from and engage in discussions with leading international experts in the subject field.

Travel Grant for Attending Lindau Meetings

Research Cooperation Division II

At Lindau Nobel Laureate Meetings, Nobel laureates give lectures to and hold discussions with young researchers from around the world. JSPS nominates Japanese candidates to the Lindau Council and bears their participation expenses.

HOPE Meetings with Nobel Laureates

Asian and African Program Division

These meetings give opportunities for excellent doctoral students and young researchers selected from countries/areas in the Asia-Pacific region to engage in interdisciplinary discussions with Nobel laureates, other distinguished scientists, and peers of their own generation.



ional research activities.

Inviting Researchers from Other Countries to Japan

Postdoctoral Fellowships for Foreign Researchers

Overseas Fellowship Division

Standard

Outstanding young researchers are invited to Japan for 1-2 years to conduct joint research under the guidance of their Japanese host researchers.

Short-term

Young pre- and postdoctoral researchers are invited to Japan from Europe and North America to conduct joint research under the guidance of their Japanese host researchers for the relatively short period of 1-12 months.

Summer Program

Young pre- and postdoctoral researchers from the US, the UK, France, Germany and Canada come to Japan for a 2-month research experience during the summer.

Invitation Fellowship Programs for Research in Japan (Long-term, Short-term, Short-term S)

Overseas Fellowship Division

Long-term

Mid-career and professor level researchers from other countries are invited for long-term (61 days-10 months) research visits to Japan.

Short-term

Researchers with outstanding records of achievement are invited for short-term (14-60 days) visits to Japan.

Short-term S

Recipients of high-level international academic prizes, such as Nobel laureates, are invited for short-term (7-30 days) visits to Japan.

Program with Final Recruitment in FY 2011

■ Award for Eminent Scientists

BRIDGE Fellowship Program

Overseas Fellowship Division

Support is given to former fellows under the Fellowships for Foreign Researchers and other JSPS programs who are now regular members of officially established JSPS alumni associations, providing them an opportunity to revisit Japan and create, maintain, or strengthen their collaborative ties with Japanese colleagues and research institutions. Visits are from 14 to 45 days.

RONPAKU (Dissertation PhD) Program

Asian and African Program Division

This program provides tutorial and financial support to promising Asian and African researchers who wish to obtain a PhD degree from a Japanese university through the submission of a dissertation without going through a doctoral course.

Supporting Researchers' Outreach Activities

Science Dialogue

Overseas Fellowship Division

Young postdoc fellows from other countries are invited to give lectures in English on their research activities and home countries at Japanese high schools.



JSPS fellow Dr. Sergej Polisski giving a lecture at Shizuoka Prefectural Hamamatsu Kita High School (February 2012)



Bilateral Programs (Joint Research Projects/Seminars/Researcher Exchanges) The U.S.-Japan Cooperative Cancer Research Program

Research Cooperation Division I

Research Cooperation Division II

Asian and African Program Division

Based upon bilateral agreements, JSPS and its overseas partner organizations provide financial support to researchers from Japan and counterpart countries for carrying out joint research projects and seminars that build enduring networks. Support is also given to researchers visiting a counterpart country to conduct research or hold discussions.

JSPS International Joint Research Program

Research Cooperation Division I

G8 Research Councils Initiative

Under this Initiative, multilateral joint research projects are supported and jointly recruited by seven of the G8 countries. Carried out by excellent researchers from universities and institutes in the participating countries, these projects address global issues.

JSPS-NSF International Collaborations in Chemistry (ICC)

Based on an arrangement with the National Science Foundation (NSF) in the US, funding is provided in support of international joint research projects carried out between excellent researchers from Japanese universities and US researchers.

Program with Final Recruitment in FY 2011

- JSPS-NSF Partnerships for International Research and Education (PIRE)

A3 Foresight Program

Asian and African Program Division

Along with JSPS, partner funding agencies in China and Korea jointly recruit, select and support trilateral projects to develop top world-class research hubs in East Asia.

Japanese-German Graduate Externship

Research Cooperation Division II

Mutual graduate curricula are established by collaborating Japanese and German universities, and doctoral students and young researchers including academic teaching professionals and post doctoral fellows are exchanged between them. In both countries, the doctoral students receive guidance with their research and in preparing their dissertations.

Core-to-Core Program

Research Cooperation Division II

Asian and African Program Division

A. Advanced Research Networks

To create top world-class research centers in leading-edge field, JSPS supports a wide spectrum of activities, including joint research projects and seminars, carried out based on sustainable partnership with research institutions around the world, while providing cutting-edge platforms for fostering young researchers.

B. Asia-Africa Science Platforms

To help solve problems prevailing in developing regions of Asia and Africa, Japanese universities and research institutions take the lead in building research centers in those counterpart countries and in fostering young researchers.

Programs with Final Recruitments before FY 2011

- JSPS Core-to-Core Program (old scheme)
- Asian CORE Program
- Asia-Africa Science Platform Program

International Scientific Meetings in Japan

Overseas Fellowship Division

Various costs, including travel expenses for overseas researchers and venue costs, are supported for convening international scientific meetings in Japan.

Dispatch of Science and Technology Researchers

Asian and African Program Division

Under the government's "Science and Technology Diplomacy Initiative," the Japan International Cooperation Agency (JICA) dispatches Japanese researchers to conduct joint ODA-funded research projects primarily in Asian and African developing countries. JSPS assists JICA in coordinating these researcher dispatches.



Expanding Researcher Networks

Japan-Affiliated Research Community Network (JARC-Net)

Asian and African Program Division

JARC-Net is a database of researchers who have studied and/or stayed in Japan and are interested in research cooperation between Japan and other countries/areas. By registering, you will be able to search and browse other members' profiles.

<http://www.jsps.go.jp/english/e-affiliated/index.html>

Supporting University Internationalization

Supporting the Overseas Activities of Japanese Universities

Research Cooperation Division I

Faculty and administrators of Japanese universities on overseas assignments are allowed to use some of JSPS's overseas offices as a base for their activities.

Providing Practical Overseas Training for University Administrative Staffs

Research Cooperation Division I

JSPS's Tokyo Head Office and its overseas offices provide practical work experience related to international scientific exchange, along with foreign language training and overseas internships, for administrative staffs of Japanese universities.

Examples of Joint Use of JSPS Overseas Offices

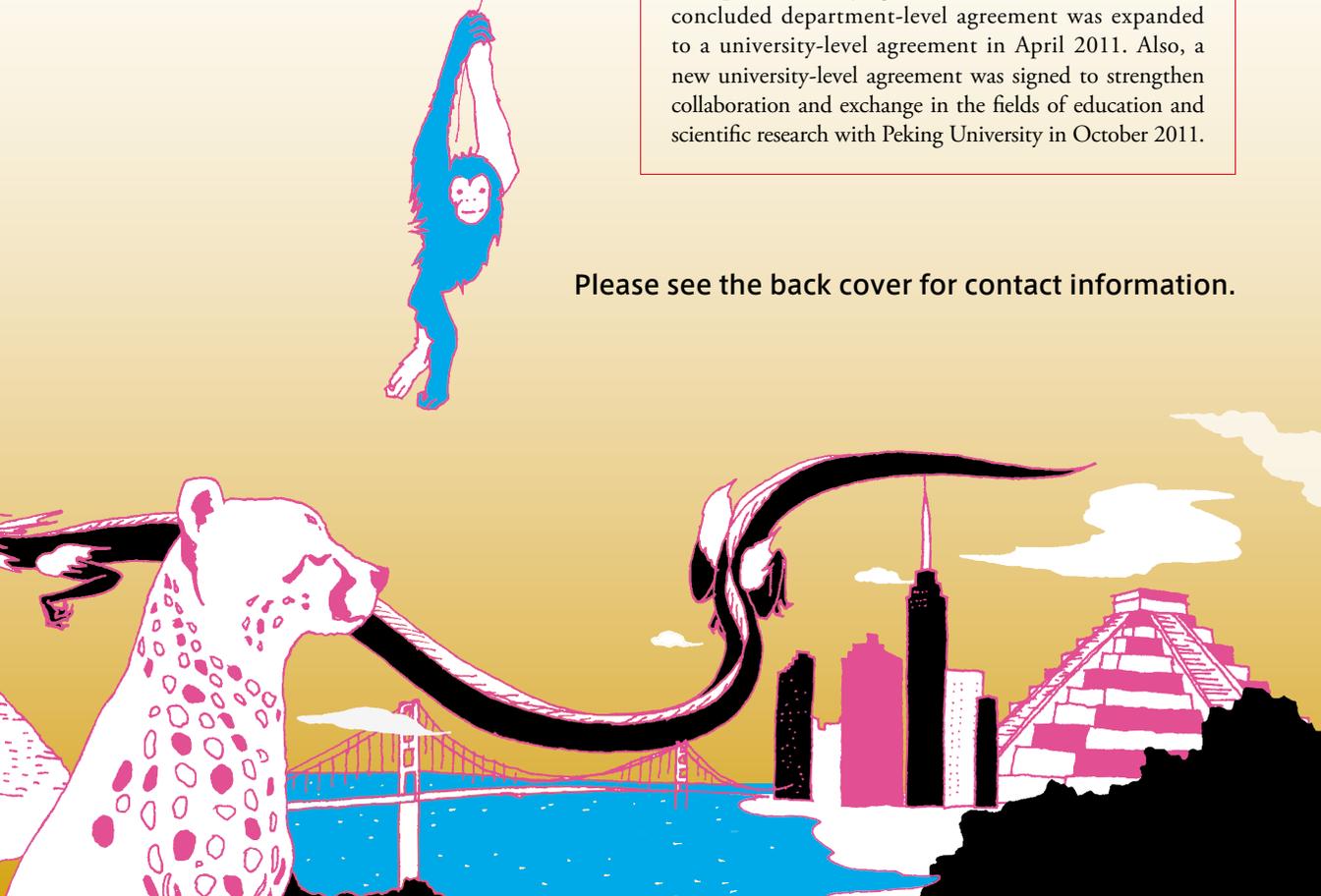
Keio University

Using the JSPS London Office as its base, Keio University hosted the 'Experience Japan Exhibition' in November 2011. The event, which was attended by high school and university students from the UK and nearby EU countries, stimulated participants' interest in Japan by providing them with information about various study abroad programs and other exciting opportunities to experience Japan.

University of Tsukuba

Using the JSPS Beijing Office, the University of Tsukuba conducted negotiations with Chinese universities for establishing university-level exchange agreements. For example, with Beijing Normal University, a formerly concluded department-level agreement was expanded to a university-level agreement in April 2011. Also, a new university-level agreement was signed to strengthen collaboration and exchange in the fields of education and scientific research with Peking University in October 2011.

Please see the back cover for contact information.



Toward Overcoming Chemical Hazards in African Countries

Program Title: Establishment of International Toxicology Consortium with 8 African Countries



Graduate School of Veterinary Medicine,
Hokkaido University
Prof. Mayumi Ishizuka

Building International Network for Mitigating Chemical Hazards in Africa

Resource development and urbanization in African countries is causing chemical pollution of the Continent's environment. Contributing to this problem are the illegal use of obsolete and expired agricultural chemicals, coupled with the dumping of electronic and other chemically toxic wastes. Despite this grave situation, sufficient information has not been gathered to effectively devise ways of addressing the problems. Accordingly, it is the aim of this project to establish an international network for spurring dialogue among cognizant researchers and administrators of African countries on problems related to environmental contamination while promoting joint research towards solving them. Symposia and research exchanges are also held to advance the dialogue. Not limited to lab experiments, the project works to advance toxicological research on the ground. Through these initiatives mediated by Japan, a vibrant research exchange is developing among African countries.



Surveying arsenic contamination of well water in Ghana

Toward Overcoming Chemical Hazards in African Countries

Through this project carried out in African countries, zones and substances of chemical contamination are being identified for the first time, and joint research is being carried out in the field on the toxic effects of this contamination. Concurrently, a discussion is being advanced on the kind of counterstrategies feasible, on the development of technologies for neutralizing chemical substances, and on the development of functional animal feeds. Building a consortium for solving environmental problems in African countries, the project is working to analyze the state and proliferation of environmental contamination and its impact on people and animals, while advancing the development of technologies for mitigating contamination. It is creating a platform for bottom-up toxicological research and continual exchange of information on the latest scientific advances.



Surveying agrochemical poisoning of animals in Kenya

Core Institute (Japan): Hokkaido University

Partner Countries: Egypt, Ethiopia, Cameroon, Ghana, Zambia, South Africa, Sudan, Nigeria

Project Period: Apr. 2012– Mar. 2015

From FY 2009-2012, the project was carried out with Zambia through the AA Science Platform Program under the title "African network of research on wildlife medicine and chemical hazard."



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For further details, please visit our website at

<http://www.jsps.go.jp/english/>

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