Overview of JSPS Activities and International Collaborative Program

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Japan Society for the Promotion of Science
S&T Policy System in Japan

Cabinet Office → Council for Science and Technology Policy (CSTP)

Ministry of Education, Culture, Sports, Science and Technology (MEXT) → Ministry of Economy, Trade and Industry (METI)

JSPS (Curiosity-driven Approach) → Research Fund

JST (Strategy-driven Approach) → Research Fund

NEDO → Funding

Provides the frameworks of S&T policy
General coordination

Provides S&T policies and budgets

Universities and Research Institutes

Researchers

Research Education
Japan Society for the Promotion of Science

- Established through an endowment by Emperor Showa in 1932

80th anniversary in 2012

Major Functions of JSPS

- Funding research initiatives
- Fostering next generation of scientists
- Advancing international collaborations
- Promoting university reform
Grants-in-Aid Applications and Selections

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>2003</th>
<th>2004</th>
<th>2005</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td>Success rate (%)</td>
<td>23.7</td>
<td>24.8</td>
<td>24.0</td>
<td>23.5</td>
<td>24.3</td>
<td>22.7</td>
<td>24.9</td>
<td>24.7</td>
<td>30.3</td>
</tr>
</tbody>
</table>
Fostering Creative Young Scientists

**World Class Researcher**

**Young Researcher**

**Postdoc**

**Doctoral student**

**Horizon of Next Generation**

**JSPS Prize**  For superlative young researchers under age 45. About 25 awardees per year, since 2004.

**Postdoc Fellowships in Japan & Abroad**  1,385 persons in Japan, 486 persons overseas.

**JSPS “Ikushi” Prize**  For doctoral students with outstanding academic records under age 34. About 16 awardees per year, since 2010.

**Fellowship for Doctoral Students**  

(FY)
Advancing University Reform

Enhancing the Quality of University Research and Education

- Global COE Program
- Leading Program in Doctoral Education
- Program for Enhancing Systematic Education in Graduate Schools
- Program for Promoting University Education Reform
- World Premier International Research Center Initiative (WPI)
- Project for Establishing Core Universities for Internationalization ("Global 30")
- Re-inventing Japan Project
International Programs of JSPS

Collaborative ties with 86 institutions in 46 countries

(1) Supporting International Joint Research and Seminars
- Bilateral Programs
- Core-to-Core Program
- G8 Research Councils Initiative
- A3 Foresight Program

(2) Providing International Training Opportunities
- Frontiers of Science Symposiums
- Travel Grant for Attending Lindau Meetings
- HOPE Meetings

(3) Inviting Researchers to Japan
- Postdoctoral Fellowships for Foreign Researchers
- Invitation Fellowship Programs for Research in Japan

(4) Sending Young Researchers Overseas
- Postdoctoral Fellowships for Research Abroad
- Strategic Young Researcher Overseas Visits Program for Accelerating Brain Circulation

(5) Supporting University Internationalization
- Supporting the Overseas Development of Japanese Universities
- Providing Practical Overseas Training for University Administrative Staffs
### Number of Outgoing and Incoming Researchers

<table>
<thead>
<tr>
<th>Accepted in Japan in 2010</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 China</td>
<td>7,195</td>
</tr>
<tr>
<td>2 US</td>
<td>5,658</td>
</tr>
<tr>
<td>3 Rep. of Korea</td>
<td>4,535</td>
</tr>
<tr>
<td>4 Germany</td>
<td>1,734</td>
</tr>
<tr>
<td>5 UK</td>
<td>1,684</td>
</tr>
<tr>
<td>6 France</td>
<td>1,653</td>
</tr>
<tr>
<td>7 Thailand</td>
<td>1,244</td>
</tr>
<tr>
<td>8 Taiwan</td>
<td>1,175</td>
</tr>
<tr>
<td>9 India</td>
<td>1,049</td>
</tr>
<tr>
<td>10 Australia</td>
<td>853</td>
</tr>
<tr>
<td>- Others</td>
<td>11,185</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>37,453</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dispatched abroad in 2010</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 US</td>
<td>30,651</td>
</tr>
<tr>
<td>2 China</td>
<td>17,197</td>
</tr>
<tr>
<td>3 Rep. of Korea</td>
<td>12,294</td>
</tr>
<tr>
<td>4 Germany</td>
<td>6,530</td>
</tr>
<tr>
<td>5 France</td>
<td>6,342</td>
</tr>
<tr>
<td>6 UK</td>
<td>5,694</td>
</tr>
<tr>
<td>7 Taiwan</td>
<td>5,329</td>
</tr>
<tr>
<td>8 Thailand</td>
<td>3,836</td>
</tr>
<tr>
<td>9 Italy</td>
<td>3,835</td>
</tr>
<tr>
<td>10 Australia</td>
<td>3,643</td>
</tr>
<tr>
<td>- Others</td>
<td>46,648</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>140,731</td>
</tr>
</tbody>
</table>

Number of Researchers Exchanged under JSPS Programs

<To Japan>

<From Japan>
Fellowship Programs to Japan

Ph.D. Courses
6 years after Ph.D.
Mid career
Professor
Nobel Prize level

Career Stages of Researchers

Postdoctoral Fellowships
(Standard)

1 - 2 years
About 400

Invitation Fellowships
For Research in Japan

(Long-Term)
2 - 10 months
About 80

(Short-Term)
14 - 60 days
About 280

(Short-TermS)
7 - 30 days
A few

(FY2013-)
Summer Program
2 months
About 110

Postdoctoral Fellowships
(Strategic Program)
3 - 12 months
About 50

Postdoctoral Fellowships
(Short-term)
1 - 12 months
About 150

Postdoctoral Fellowships
(Pathway to University Positions in Japan)
1 - 2 years
About 20

Postdoctoral Fellowships
(FY2013-)
A few
### Support for Outbound Young Japanese Researchers

#### Postdoctoral Fellowship for Research Abroad

**<Individual Support>**

**FY 1982 - 2011:** 2,083 persons in total  
**FY2012:** 412 persons / 20 countries  

Tenure: 2 years  
Financial Support:  
Roundtrip international airfare, stipend, research grant  
(3.8 ~ 5.2 million Japanese yen / year / person)

#### Strategic Young Researcher Overseas Visits Program for Accelerating Brain Circulation

**<Organizational Support>**

**FY 2010:** 68 projects  
185 persons/28 countries and regions  

**FY2011:** 96 projects  
414 persons/47 countries and regions  

**FY2012:** 124 projects  

Duration of Projects: 1 – 3 years  
Financial Support:  
Selected universities cover the young researchers’ travel and research expenses.  
(Up to 30 million Japanese yen / year / project)
NEWS!! From FY 2013, JSPS starts “Open Partnership Joint Projects/Seminars” with countries which haven’t concluded MoUs.
Creating Research Hubs – Core-to-Core Program–

Starting from FY2012

A. Advanced Research Networks

- Target: **Any country** in the world
- Objective:
  - Promote International collaboration in cutting edge fields by creating world-class research hubs
  - Foster new generations of talented young researchers in Japan and other countries
- Grants: Up to JPY 20 million /year from JSPS + matching fund from counterpart countries required
- Project Duration: 5 years

B. Asia-Africa Science Platform

- Target: Asian and/or African countries / regions
- Objective:
  - Japanese research institutions take the lead in building research hubs and fostering young researchers to contribute to Asian/African region
- Grants: Up to JPY 8 million /year from JSPS
- Project Duration: 3 years
JSPS Overseas Offices

Mission
- Liaise with Overseas Counterpart Research Promotion Organizations
- Hold Symposiums
- Support Alumni Networks Formed among Former Participants in JSPS Programs
- Disseminate Information on Scientific Trends in Japan
- Support Overseas Activities of Japanese Universities
JSPS Fellow Alumni Associations

JSPS alumni associations have been established in the US, the UK, Sweden, Germany, France, Egypt, Kenya, Thailand and China in cooperation with JSPS Overseas Offices. Although there are no JSPS branch offices, former Indian, Korean, Bangladesh and Finnish fellows have established JSPS alumni associations in their countries.
Global Research Council (GRC)

- Virtual organization of Heads of Research Councils (HORCs) from around the world
- Will provide a forum for HORCs to:
  - Address common issues
  - Build trust between research funding organizations
  - Endorse common Principles to foster multilateral research cooperation
- Annual meeting of HORCs
  - "Statement of Principles for Scientific Merit Review" at 1st meeting in May ’12
  - Discussion on "Research Integrity" and "Open Access" at 2nd meeting in May ’13
- Topical Regional Meetings
  - Europe: hosted by Science Europe in Oct ’12, Belgium
  - Asia-Pacific: co-hosted by JSPS and JST in Dec. ’12, Japan
- International Governing Board
  - JSPS: a member of the Governing Board
Thank you!

- Please visit our website -
  [www.jsp.go.jp/english](http://www.jsps.go.jp/english)
- CONTACT -
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