

# Research Fellowship for International Young Scientists

(Trial Implementation)

## Orientation of the Research Fellowship

The Research Fellowship for International Young Scientists (hereafter abbreviated as the Research Fellowship) is oriented to encouraging excellent international young scientists to conduct basic research in the field of natural sciences in mainland China, so as to promote the research collaboration and academic exchanges between Chinese and international young scientists.

## Application and Funding Procedure

1. Institutional recommendation is adopted, whereby applicants submit their applications to the National Natural Science Foundation of China (hereafter abbreviated as NSFC) via their host institutions in mainland China. Research institutes and universities affiliated to the Chinese Academy of Sciences or the Ministry of Education of the People's Republic of China are defined, during the period of the trial implementation of the Research Fellowship in 2009, as qualified host institutions for the recommendation of eligible applicants.

2. NSFC is responsible for the issuance of guidelines for application. Applicants first submit their applications and necessary documents to the Chinese Academy of Sciences or the Ministry of Education via their host institutions. After evaluation and selection, the Chinese Academy of Sciences and the Ministry of Education send the name lists of recommended nominees, together with recommendation letters, to NSFC.

3. The Research Fellowship provides research grants only, and the host institutions are obligated to cover all living expenses, insurance costs and other necessary living and working facilities for the grantees during the implementation of the research projects.

4. The duration of the funded project is 6 months or 12 months. A request for continuing funding for up to 12 months after the conclusion of the funded project is allowed on the basis of the requirements of the research work.

## Eligibility for Application

Eligible applicants for the Research Fellowship shall meet the following requirements:

1. Excellent international young scientists with Ph.D. degree, under the age of 35 by January 1st of the year of application;
2. More than 3 years of basic research experience or post-doctoral experience in a university or research institution;
3. Abide by Chinese laws and the relevant regulations on the management of the National Natural Science Fund during the stay in China.

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## Requirements for the host institutions

1. The host institutions shall be registered institutions at NSFC;
2. The host institution shall appoint a coordinator who will provide policy consultation for international young scientists and assist with the management concerned, such as the management of research funds, etc.;
3. The host institution shall sign an agreement with the applicant, in which indispensable contents are as follows:
  - a. The title, research orientation and expected results of the proposed research project;
  - b. Living conditions and working facilities provided by the host institution during the implementation of the research project;
  - c. Commitment of full time working at the host institution during the implementation of the research project by the applicant.

## Application and Review

### 1. Application

- a. The applicant fills in the standard application form designated by NSFC for the Research Fellowship and sends it, with an enclosure of two recommendation letters and necessary documents, to the host institution in mainland China;
  - b. An agreement shall be signed between the applicant and the host institution;
  - c. The host institution forwards, according to its affiliation, the application either to the Chinese Academy of Sciences or to the Ministry of Education;
  - d. The Chinese Academy of Sciences and the Ministry of Education then recommend to NSFC a list of recommended nominees who are selected on the basis of assessment of those applications forwarded by their affiliated universities or research institutes.
  - e. Applicants who are recommended by the Chinese Academy of Sciences or the Ministry of Education submit application to NSFC via the NSFC Internet-based Science Information System.
  - f. NSFC is responsible for organizing panel evaluation of the applications submitted by the recommended nominees.

### 2. Review

All application and review procedures pertaining to the Research Fellowship shall be governed by the Regulations on the National Natural Science Fund (hereafter abbreviated as the Regulations).

Procedures of the acceptance and review of research applications are as follows:

- a. NSFC makes announcement to call for proposals and accept applications accordingly;
- b. NSFC is responsible for collecting the applications by the applicants and the assessments produced by host institutions and the recommendations by the Chinese Academy of Sciences and the Ministry of Education;
- c. A panel evaluation is subsequently organized by NSFC.

### 3. Review Criteria

- a. Education and research capability and potential of the applicant;
- b. Experience and achievements made by the applicant in basic research in the field of natural sciences;
- c. Originality and scientific merits of the proposed research;

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- d. Prospects and expected results from the collaboration between the applicant and the host institution;
  - e. Reasonability and feasibility of the research plan and budget request proposed by the applicant.

#### 4. Continuing Funding

Continuing funding is allowed for those funded research projects that have obtained sound progress and necessitate further research work after the conclusion of the research project.

a. An application for continuing funding shall be submitted to the Chinese Academy of Sciences or the Ministry of Education through the corresponding host institution two months prior to the conclusion of the on-going project. The Chinese Academy of Sciences or the Ministry of Education will, in turn, further propose recommendations to NSFC;

b. A panel evaluation will be organized by NSFC;

c. The continuing funding will be reviewed by the panel and approved by the council meeting of NSFC.

### **Implementation and Management**

During the implementation of the funded research projects, all management work shall be carried out in line with the requirements laid out by the Regulations.

1. Upon receiving the notification of funding from NSFC, the applicant shall commence the research work in accordance with the research plan proposed in the application. The applicant and the host institution shall fulfill their respective obligations and promises according to the agreement signed between them. It is the task of the host institution and the appointed coordinator to assist the applicant in the implementation and routine management of the research project on the one hand, and to facilitate the communication and contact between the applicant and NSFC, etc., on the other hand.

2. During the implementation of the funded research project, all alternation, termination and adjustment of the research plan shall be realized in light of the Regulations.

3. The applicant is obligated to fill in a concluding report and, after the verification by the host institution, submit it to NSFC. A report on any research results stemming from the funded project is also required to be submitted to NSFC.

4. All research publications stemming from the funded project shall acknowledge the Research Fellowship as follows: "supported by the NSFC Research Fellowship for International Young Scientists".

Management of the research results achieved by the applicant during the implementation of the funded research project at the host institution shall be governed by NSFC's relevant regulations on the management of research results. Ascription, utilization and/or transfer of the intellectual properties produced by the research projects funded by the Research Fellowship shall be realized by proper observance of relevant Chinese laws and government regulations.

5. The host institution shall strictly comply with relevant regulations of the National Natural Science Fund for the management of the funds provided by NSFC.

# NSFC Announced Results of Preliminary Evaluation of Bilateral Cooperative Research Projects with Danish National Research Foundation

NSFC received 10 applications for cooperative program in renewable energy area between National Natural Science Foundation of China and Danish National Research Foundation. NSFC decides to accept 9 applications, and declines one application.

The list of the applications is:

	PI's and institution	Name of application
1	Wang Hongtao /Tsinghua University	Studies on direct transfer of pentose and hexose based on wood cellulose and synchronized production of ethanol
	Irini Angelidaki /Technical University of Denmark	
2	Wang Linxiang /Hangzhou Dianzi University	Multi scale studies on nonlinear energy trap mechanism based on stress induced electric domain switch phenomenon
	Morten Willatzen /University of Southern Denmark	
3	Xu Guosheng /Hefei Institute of Substance Science, CAS	Studies on plasma turbulent process of energy accumulation on material surface in nuclear fusion devices and its control method
	Volker Naulin /Riso DTU, National Laboratory for Sustainable Energy	
4	Xing Wei /Changchun Institute of Applied Chemistry	Key material and technology of medium temperature fuel cell and electrolytic cell operating between 100 to 400 degree based on renewable energy
	Niels J. Bjerrum /Technical University of Denmark	
5	Zhang Suojiang Institute of Process Engineering, CAS	Basic research on biomass heat transfer and catalytic transfer based on multi scale method
	Kim Dam-Johansen Technical University of Denmark	
6	Yu Jiaguo /Wuhan University of Technology	Studies on photo catalytic preparation of fuels using sunlight
	Ib Chorkendorff /Technical University of Denmark	
7	Chen Hongzheng /Zhejiang University	Shape and look controllable organic solar cells
	Frederik Christian Krebs /Technical University of Denmark	
8	Zuo Jiane /Tsinghua University	Studies on bio energy generation from biomass trash and agricultural waste
	Jens Schmidt /Technical University of Denmark	
9	Song Songquan /Institute of Botany, CAS	Plant biomass production in extreme growth conditions—salt resisting crops (sweet sorghum) as second generation energy crops
	Ole Norregaard Jense /University of Southern Denmark	

## NSFC announced results of preliminary evaluation of bilateral cooperative research projects with DFG

In 2009, NSFC received 28 applications for “management and adaptability of water resources in river valley under changing environment”, a bilateral cooperative project of National Natural Science Foundation of China and DFG. After preliminary review, 23 proposals are accepted, five declined.

The list of the applications is:

	PI' s and institution	Name of application
1	Hu Chunsheng /Center for Agricultural Resources Research, Institute of Genetics and Developmental Biology, CAS	Research on the effect of different field management on groundwater supply and solute transport in intensive farmland in Haihe region
	Gunnar Lischeid Centre for Agricultural Landscape Research	
2	Shi Xuezheng Institute of Soil Science, CAS	Soil erosion under future conditions: mechanism of vegetation protection against soil erosion and simulation of soil erosion and comprehensive management and application of water resources
	Thomas Scholten Institute of Geography, University of Tubingen	
3	Cai Qinghua Institute of Hydrobiology, CAS	Model of response of valley ecosystem to land utilization and climate change--taking Changjiang, a branch of Boyang Lake as an example
	Nicola Fohrer Christian-Albrechts-University Kiel	
4	Wu Ning Chengdu Institute of Biology, CAS	Identification of “hotspots” in bio-geo-chemical process of C, N and S element in hydro ecosystem of Minjiang upper reaches after Wenchuan earthquake and its significance to valley water resource management
	Klaus-Holger Knorr Department of Hydrology, University of Bayreuth	
5	Jin Rui /Institute of Cold and Arid Region Environment and Engineering, CAS	Prediction of hydrological flux of Haihe region based on remote and data assimilation method—SP1: developing multi scale data assimilation method for hydrological flux prediction
	Montzka Carsten /Forschungszentrum Julich Agrosphere Institute(ICG 4)	
6	Liu Shaomin /Beijing Normal University	Prediction of hydrological flux of Haihe region based on remote and data assimilation method—SP12: observation of vaporization and soil moisture at multi scale levels
	Harry Vereecken Friedrich-Wilhelms-University Bonn	
7	Su Buda /National Climate Center	Studies and evaluation of hydrological circulation and cross-sectional flow process in changing environment
	Valentina Krysanova Potsdam Institute for Climate Impact Research	

8	Jiang Tong /National Climate Center	Evaluation and comparison of the changing trend of extreme climate data in Haihe and Boyang Lake regions
	Clemens Simmer Meteorological Institute at University of Bonn	
9	Gao Qingzhu /Institute of Agricultural Environment and Sustainable Development, Chinese Academy of Agricultural Sciences	Sustainable management of water resources in Haihe region and Beijing municipality and evaluation of conditions and value of ecosystem protection
	Michael Ahlheim Institute of Economics, University of Hohenheim	
10	Xu Hongmei /National Climate Center	Impact of separate land use and climate change on hydrological process in Boyang Lake
	Markus Disse /University of the Federal Armed Forces Munich, Germany	
11	Wang Yanhui /Chinese Academy of Forestry	Response of water supply quantity in semi-arid region in upper reaches of Haihe to climate change and land utilization
	Kai Schwarzel Technology University of Dresden	
12	Yu Zhongbo /Hohai University	Research on mechanism of land-atmospheric interaction in Haihe region and Boyang Lake region
	Harald Kunstmann Karlsruhe Research Center, IMK-IFU	
13	Qian Jiazhong Hefei University of Technology	Influence of urbanization and land utilization on ground water quality—taking sub regions of Chaohe in China as an example
	Insa Neuweiler /Leibniz University Hannover	
14	Han Shenghui /Institute of Atmospheric Physics, CAS	Impact and preliminary evaluation of the impact land utilization and water resource management on soil NO <sub>2</sub> emission in Haihe region
	Klaus Butterbach-Bahl FZK, IMK-IFU, Germany	
15	Gong Huili /Capital Normal University	Simulation of hydrological process and wetland ecosystem of suburban Beijing in changing environment
	Georg Hormann /Christian-Albrechts-University zu Kiel	
16	Xiao Ziniu /National Climate Center	Assimilation theory and method of regional hydrological documents and its application in research of water circulation response in Haihe region to climate change
	Simmer Clemens Meteorological Institute at University of Bonn	
17	Lin Zhaohui /Institute of Atmospheric Physics, CAS	Research and development of simulation system of regional atmospheric and hydrology coupling and studies on response

	Yaping Shao /University of Cologne	atmospheric and hydrology coupling and studies on response of water circulation to climate change in Haihe regions
18	Song Xianfang Institute of Geographic Sciences and Natural Resources Research, CAS	Ground water supply model and integration of underground non 均质性 and its application in Haihe region
	Pu Li /Institute of Automation and Systems Engineering	
19	Zheng Chunmiao /Peking University	Study on ground water supply in North China Plain based on coupling method of environment tracer and numerical simulation
	Werner Aeschbach-Hertig Ruprecht-Karls-University Heidelberg	
20	Zhang Naiming/Yunnan Agricultural University	Studies on the influence of land utilization on agricultural non point source pollutant N, P loading in Dianchi region
	WILKEN Rolf-Dieter Johannes Gutenberg-University of Mainz	
21	Zhang Dongxiao /Peking University	Coupling simulation and uncertainty analysis of coastal river region water resources in changing conditions of climate and land utilization
	Stefan Kollet /Meteorological Institute at University of Bonn	
22	Li Xiaoyan /Beijing Normal University	Water resources management in Baiyangdian region in changing environment and adaptive countermeasures
	Andreas Schumann /Ruhr-University Bochum	
23	Xie Shaorong /Shanghai University	Real time sand transport information acquisition system based on underwater robot
	Jianwei Zhang /University of Hamburg	

## NSFC set up Department of Medical Sciences

Recently NSFC set up Department of Medical Sciences. Up to now, NSFC has 8 scientific departments.

The newly formed Department of Medical Sciences will follow the principle of supporting free exploration of scientists and research of national need. It encourages research aimed at disease prevention and control, emphasizes on basic research and fostering research talents, stresses on international cooperation, promotes development of research in traditional Chinese medicine and original research, and aims at raising basic medical research and applied basic medical research in China.

According to Prof. Chen Yiyu, the president of NSFC, setting up **Department of Medical Sciences** is to match the development of medical research which justifies the forming of an independent department by separating from the Department of Life Sciences. This is also a major initiative of the government to pay more attention to the life of the people, to increase the health level of the Chinese people, as well as to promote total, coordinated and sustainable development of society and economy. In addition, NSFC requires making adjustment of its organizational structure of disciplines and improving its management. In recent years, in terms of number of applications received each year and total amount of funding, the Department of Life Sciences accounts for near 1/3 of NSFC's total. Therefore, it is necessary to set up an independent department to do the job of supporting medical sciences.

A system of application code, sound and healthy expert evaluation system and good and professional management team for the Department of Medical Sciences is the core and the key to the work of this newly formed department.

# NSFC Announced Approved Cooperative Projects with France and Germany

NSFC announced lists of approved cooperative projects with France and Germany on July 29. Among them, 12 projects are jointly funded with Agence Nationale de Recherche (ANR), and four with DFG.

In 2009, NSFC and ANR plan to fund jointly research projects in material and engineering and information and communication areas (including nano science). After calling for applications and review, there are 12 projects to be funded in 2009.

The list of the projects is:

	PI' s and institution	Name of application
1	Liu Baoli /Institute of Physics, CAS Xavier Marie /Laboratory of Physics, Chemistry of Nano-Objects, National Institute for Applied Science-Toulouse, France	Experimental studies of self spin transport and self spin control in 2-D semiconductor nano structures
2	Li Jie /Institute of Physics, CAS ALEXANDRE ZIMMERS /University of Paris VI	Control of electron order on nanometer scale
3	Xu Weiya /Hohai University Jianfu Shao /LML, CNRS, University des Science et Technologie de Lille	Anisotropic rock mechanics research
4	Ren Zhongming /Shanghai University Fautrelle Yves /INPG Grenoble, France	Basic research on micro organization and performance of materials optimized by strong magnetic field
5	Sun Wenhua /Institute of Chemistry, CAS Jerome Durand /Laboratoire de chimie de coordination, CNRS, TOULOUSE, FRANCE	Carbon nano tube loading catalyst for ethylene polymerization
6	Chen Guangwen /Dalian Institute of Chemical Physics, CAS Joelle Aubin /Laboratoire de Genie Chimique de Toulouse, France	Studies on strengthening behavior of gas liquid transport process in micro reactors
7	Xu Dongsheng /Institute of Metal Research, CAS Patrick Veyssiere /LEM, CNRS-ONERA	Atomic simulation of basic plastic process of metal and alloy
8	Yong Junhai /Tsinghua University Jean-Claude Paul /INRIA	Shape formation: new theory and new algorithm
9	Shu Huazhong Southeast University DE CREVOISIER Renaud University of Rennes 1	Research on image guidance and bio optimization in precision radioactive therapy



10	Zhi Lihong Academy of Mathematics and Systems Science, CAS	Accurate and trusted computation of algebraic system
	Fabrice Rouillier INRIA, LIP6	
11	Luo Jianhua Shanghai Jiaotong University	Research on fast imaging of living heart by diffusion tensor
	Yuemin Zhu INSA Lyon, France	
12	Wu Yongwei Tsinghua University	Studies on distributive programming model based on heterogeneous poly nuclei
	Denis Caromel INRIA, French national institute for research in computer science and control	

In 2009, NSFC and DFG plan to fund jointly research projects in “molecular principles of stem cell biology”. After calling for applications and review, there are four projects to be funded in 2009.

The list of the projects is:

	PI' s and institution	Name of application
1	Jin Ying Shanghai Jiaotong University	Studies on transcription regulation and protein stability mechanism of stem cells
	Michael Meisterernst Institute of Molecular Tumor Biology	
2	Liu Bing Academy of Military Medical Sciences of PLA	Experimental studies on regulation of hematopoietic differentiation of multi energy stem cells by HoxB4 and micro environmental factors
	Hannes Klump University Hospital Essen, Institute for Transfusion Medicine	
3	Zhao Chunhua Institute of Basic Medical Science, Chinese Academy of Medical Sciences	Programming and reprogramming functions of inter charging stem cells
	Martin Zenke RWTH University	
4	Wu Wei Tsinghua University	Identification of and research on nervous differentiation regulation factors in planarian regeneration
	Kerstin Bartscherer University of Heidelberg/Medical Faculty Mannheim/CBTM	

# NSFC Announced Results of Preliminary Evaluation of Bilateral Cooperative Research Projects with Academy of Finland

In 2009, NSFC received 13 applications for “signal processing and computational science”, a bilateral cooperative program of National Natural Science Foundation of China and Academy of Finland. According to project management policy, NSFC conducted preliminary review, and the review results are: After review of the 13 proposals, 11 are accepted, and two are declined.

The list of the applications is:

	PI' s and institution	Name of application
1	Wang Yinglin/Shanghai Jiaotong University	Research on information system of adaptive enterprises based on ontological and foreseeable analysis method
	Zhang Zheyang /University of Tampere, Finland	
2	Cui Yong /Tsinghua University	Research on coordinated heterogeneous mobile mesh network
	Sasu Tarkoma /Helsinki University of Technology	
3	Gao Chuanhou /Zhejiang University	Multi scale modeling based on intensive computational signal processing and its applications in metallurgical process
	Henrik Saxen /Abo Akademi University	
4	Luo Tao /Beijing University of Posts and Telecommunications	Distributed signal processing in energy saving leveled wireless sensing network
	Olav Tirkkonen /Helsinki University of Technology	
5	Li Lihua /Beijing University of Posts and Telecommunications	Research on key technology of coordinated multi user MIMO communication network
	Markku Juntti /Center for Wireless Communications of Univeristy of Oulu	
6	Zhang Jianhua /Beijing University of Posts and Telecommunications	Channel modeling and signal processing in future wireless network based on measurement
	Jarkko Paavola /University of Turku	
7	Shen Bairong /Suzhou University	System medicine: modeling and simulation of immune system in healthy and ill conditions
	Mauno Vihinen /Institute of Medical Technology, University of Tampere	
8	Guo Ping /Beijing Normal University	Research on intelligent processing method for EEG signals in brain machine interface
	Jari A. K. Hyttinen /Tampere University of Technology, Finland	

9	Zhang Qican /Sichuan University	3-D dynamic physical sensing and computational reconstruction based on structural optical lighting and fringe analysis
	Heikki Saari /VTT Technical Research Centre of Finland	
10	Wu Song /Huazhong University of Science and Technology	Middleware study for service based computer applications
	Jukka Rieki /University of Oulu, Finland	
11	Shi Pengfei /Shanghai Jiaotong University	Research on gender identification and age estimation based on visual audio information
	Pasi Franti /University of Joensuu, Finland	

• Information update •

## NSFC Announced Application Guide for Cooperative Research Projects with K. T. Li Foundation

Based on agreement between NSFC and K. T. Li Foundation for jointly supporting cooperative research between scientists on both sides of the Taiwan Strait, NSFC starts receiving applications for jointly supported projects for 2010 on September 28, 2009.

In 2010, the jointly supported area is biodiversity. The specific directions are:

A. Bio-Discovery

- types and mechanism of formation of the segregation and differentiation of biographic system of east Himalaya and Taiwan

- patterns and changes in marine biodiversity in western pacific

B. Bio-Genesis

- Evolutionary genomics and ecological genomics of non model organism

- Functional genomics of important bio resources

C. Eco-Service

- impact of extreme environmental events and human factors on biodiversity of ecosystem

- species coexistence and ecosystem maintaining mechanism

D. Others

Sino-Biodiversity Information System and integration and application of DNA bar code database

In 2010, total funding of the jointly supported projects is 7.5 million yuan RMB and 30 million NTD. It plans to fund 3 to 5 projects jointly proposed by scientists on both side of the Taiwan Strait. Each project lasts for 3 years. Researchers should share their responsibilities in research according their respective strength. Each project can apply for 2.5 million yuan.

# NSFC Announced Results of Preliminary Evaluation of Bilateral Cooperative Research Projects with Japan Science and Technology Agency

In 2009, NSFC received 13 applications for “research on evaluation on the effect and environmental impact of earthquake and strong typhoon disasters on urban and major engineering projects and disaster alleviation”, a bilateral cooperative project of National Natural Science Foundation of China and Japan Science and Technology Agency. After preliminary review, all applications are accepted.

The list of the applications is:

	Chinese PI	Japanese PI	Project name
	Name and institution	Name and institution	
1	Ou Guoqiang, Chengdu Institute of mountain disaster and environment, CAS and Ministry of Water Conservancy	Yoshiharu ISHIKAWA, Tokyo University of Agriculture and Technology	Research on process of catastrophe and mechanism under the influence of earth quake and rain
2	Shi guangyu, Institute of Atmospheric Physics, CAS	Yasunobu Iwasaka, Kanazawa University	Spatial and temporal prediction of earthquake disaster in generalized urban areas and simulation of early evaluation
3	Ye Weimin, Tongji University	Feng Zhang Nagoya Institute of Technology	Studies on instability mechanism of instability of slope under strong earthquake and technology of disaster alleviation
4	Gu Zhaolin, Xian Jiaotong University	Kangbin Lei RIKEN Headquarters	Design and development of large scale computer software system for evaluation and alleviation of earthquake disaster on urban structures
5	Song Bo, University of Science and Technology Beijing	Hideki Shimamura Pasco Corporation	Large eddy simulation and experimental research on high build wind field under the influence of different types of strong wind
6	Lu Xilin, Tongji University	Kazuhiko Kasai Tokyo Institute of Technology	Theory of optimal design for ultra high voltage power transmission tower and line based on disaster effect
7	Xie Qiang Tongji University	Junji Maeda Kyushu University	Basic research on wind induced disaster on wind sensitive infrastructures
8	Li Zhengliang Chongqing University	Makoto Ohsaki Kyoto University	Research on mechanism and disaster control of slope damage induced by heavy rain
9	Chen Zuyu, China Institute of Water Conservancy and Hydropower	Masata Sugito Gifu University	Vulnerability of high voltage power transmission line to storms and control of wind resistance
10	Li Zhongxian, Tianjin University	Tsutomu USAMI Meijo University	Prototype observation and control of wind induced dynamic response of large span bridge structures

11	Li Hui, Harbin Institute of Technology	Zhishen Wu Ibaraki University	The relationship between long term degeneration of infrastructure and environmental change and strong wind including typhoon and other factors: new monitoring and warning system
12	Ge Yaojun, College of Civil Engineering, Tongji University	Yukio Tamura Tokyo Polytechnic University	Research on evaluation of earthquake effect of urban major and super high engineering structures and disaster alleviation
13	Chen Li, Tsinghua University	Muneo Hori University of Tokyo	Research on fine analysis of earthquake effect on bridge structure and damage control

Details of the evaluation results are given in “the notice of results of preliminary evaluation of bilateral cooperative research projects with Japan Science and Technology Agency for 2009”

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## NSFC Announced Application Guide for Cooperative Research Projects with Royal Society of Edinburgh for 2010

According to the memorandum of understanding on cooperation in science and technology between NSFC and Royal Society of Edinburgh, they support joint projects between Chinese and British researchers every year.

In 2010, the area of joint projects is Life Science.

The project is for two years, starting from January 1st of 2010 to December 31st of 2011.

Funding is given for supporting exchange activities. RSE provide 6,000 pound per year at the most for each project, which is for covering living expenses of Chinese researchers in Britain and international travel fare for British researchers to China. Similarly, NSFC covers living expenses of British researchers in China and international travel fare for Chinese researchers to Britain.

The applicant in China should be the principal investigator or main participant of an on-going NSFC's project. On-going project may be any project in General Program, Yong Scientist Fund, Fund for Less Developed Regions, Key Programs, Major Programs, National Science Fund for Distinguished Young Scholars, Jointly Funded Projects and Creative Research Groups. Students cannot apply for this project.

Research contain should also be closely related to the on-going project of NSFC.

Applicant should have cooperative agreement with collaborator. The agreement should include the research title, description of research content, plans of exchange activities, articles on ownership and definition of intellectual property rights, and signature (electronic signature not allowed) of the representatives of both parties.

Persons of exchange should also be included, including brief bio and a list of representative papers (less than 6).

Both electronic and paper form applications are required, and they should be identical in content.

British collaborator should submit relevant applications to RSE at the same time.

## **NSFC Announced a List of Proved Cooperative Projects with three International Organizations**

NSFC announced a list of proved cooperative projects with three international organizations, namely, IIASA, IRRI and CIMMYT on its official web site on August 20, 2009.

The following two projects will receive funding from NSFC and IIASA for 3 years (from January 2010 to December 2012). NSFC provide 1 million yuan RMB for each project.

1. Project name: studies on simulation and control mechanism of complex system of energy, emission, and environment

Chinese PI: Profesor He Keping, Tsinghua University

IIASA PI: Amann Markus

2. Project name: studies on capacity of Chinese ecological system of agriculture under the influence of global climate change and intensive human activities.

Chinese PI: Research professor Tang Xu, Shanghai Meteorological Bureau

IIASA PI: Günter Fischer

The following two projects will receive funding from NSFC and IRRI for 3 years (from January 2010 to December 2012). NSFC provide 1 million yuan RMB for each project.

1. Project name: comparison of functions of controlling rice hopper catastrophe in tropical and Chinese rice region ecosystems.

Chinese PI: Professor Cheng Jiaan, Zhejiang University

IRRI PI: Kong-Luen Heong

2. Project name: studies on precision positioning of rice yield gene and molecular design.

Chinese PI: Research Professor Guo Biaolong, Rice Institute of China

IRRI PI: Fangming Xie

The following one project will receive funding from NSFC and CIMMYT for 3 years (from January 2010 to December 2012). NSFC provide 1 million yuan RMB for the project.

1. Project name: cloning and analysis of toxicologically related genes of wheat cyst nematode and studies on mechanism of resisting wheat cyst nematode.

Chinese PI: Professor Peng Deliang, Institute of Plant Protection, Chinese Academy of Agriculture Science

IRRI PI: Julie Nicol