

Announcement of Brain Pool (BP) Program for inviting outstanding scientists from overseas (2nd round in 2019)

The MSIT (Ministry of Science and ICT) and NRF (National Research Foundation of Korea) welcome applications from host researchers in South Korea who wish to invite outstanding scientists to join the Brain Pool Program (BP Program). This program is designed to invite overseas outstanding scientists for the enhancement of research competence through joint research in R&D fields in Korea, and build a global cooperative research network more efficiently. Interested applicants are requested to file an application in accordance with the relevant procedures.

June 5th, 2019

You, Young Min
Minister of Ministry of Science and ICT

1. Goals

To enhance the R&D level of Korea by attracting outstanding overseas scientists through various joint research activities in R&D fields in Korea, and to establish long term international cooperation networks.

-Balancing the scientific and technical standards in the field of national research institutes, universities, and industries by focusing on compensating for the insufficient number of outstanding researchers.

2. Outline

A. Fields of Research: All fields in science and technology

- Preference fields: high correlation fields related to *8 leading industry technology fields and ** 3 strategic investment fields

*8 Leading industry technology fields: Smart Factory, Smart Farm, Smart City, FinTech, New Energy Industry, Drone, Future Vehicle, Bio health

** 3 Strategic investment fields: Data Economics (Big Data/Block Chain/Shared Economy), Artificial Intelligence, Hydrogen Economics

B. Eligibility of Brain Pool Candidates (Invited Scientists): Outstanding overseas scientists who have been awarded a doctoral degree for more than five years.

C. Program period: (Type 1) 6-12 months*, (Type 2) 3 years (2+1)

* (Type 1) 3-12 months for industrial bodies

※ For Type 2, it will be decided whether to be continued or not the last year (3rd) based on the research achievement evaluation for the first 2 years.

D. Details of Support: Personnel costs and expenses incurred for inviting the Brain Pool fellow.

- **Personnel costs of the Brain Pool fellow: KRW 3~17 million per month**

(Based on the level of salary to his/her original affiliate of the Brain Pool fellow)

※ For corporate research institutes, only 70% of personnel costs will be supported.

- **Invitation Expenses:** up to KRW 17.6 million (airfare, child education subsidies, moving expenses (for those who participate in a 12-month project or more), insurance premiums, etc.)

3. Quota and Eligibility

A. Quota for the 2nd Round (Scheduled): around 50 (for Type 1:around OO, for Type 2:around OO)

B. Eligibility

- **Host Institution** : Government-funded research institutes, national/public research institutes, universities, research institutes affiliated with universities, corporate research institutes, and nonprofit research institutes.

- **Host Researcher (Brain Pool Applicant):** Full-time employees of the respective host institutions who have the rank of at least assistant professor, senior researcher, or chair of a research institute (corporate research institute).

- **Invited Scientist (Brain Pool Candidate):** Foreign and Korean scientists* who have more than five years of experiences in R&D abroad after obtaining a Ph.D.

* Brain Pool candidates with Korean nationality must be residing abroad on the application deadline (except for reapplying).

※ In the case of corporate research institutes being the host organization, Brain Pool candidates who have five-years or more of on-site R&D experience in the overseas industry may apply regardless of his/her possession of a doctoral degree

※ Possibility of re-applying to the Brain Pool Program for a maximum of up to 3 times including the first term (For type 1)

※ Post KRF fellows who have completed the KRF (Korea Research Fellowship) program successfully and have received a higher rank for the final evaluation, are eligible as a Brain pool candidate.

※ Host researcher cannot apply for Type 1 and Type 2 simultaneously with the same Brain Pool candidates.

C. Preferences

- Minimum selection quota (30%) for ethnic Koreans or Korean nationals residing overseas.

- Preferences for Type 1 (new selected project) in the case where the hosted Brain Pool candidate is full time (Permanent employee) by the institutions which are selected as a Global R&D Center

4. How to apply and what documents to submit.

A. Recruitment announcement period: June 5th (Wed.) 2019 ~ July 16th (Tues.) 2019 by 18:00

B. Application submission period: June 24th (Mon.) 2019 ~ July 16th (Tues.) 2019 by 18:00

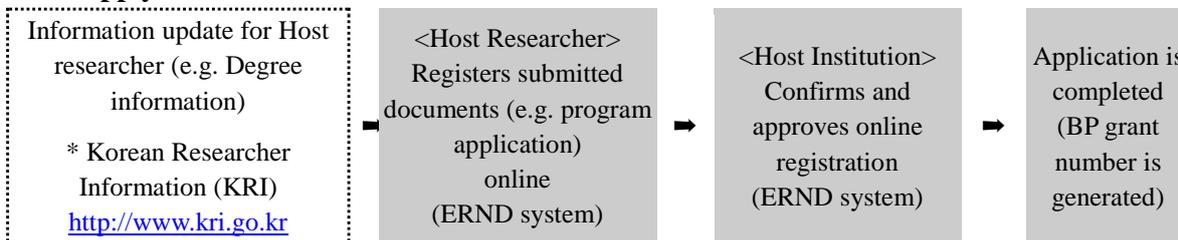
※ Approval from their host institutions on ERND: by July 17, 2019 (Wed.), (6 p.m.)

(Applications will only be accepted for projects that obtain approval from their host institutions within the application period.)

※ **Date/Time is based on Korea Local Time (UTC/GMT +9 hours)**

※ Please complete submitting application at least 3-4 hours before the deadline to avoid a flood of applications.

B. How to apply: Online



- Host research institutes seek out Brain Pool candidates and apply through the Integrated Research Support System of the National Research Foundation of Korea (NRF) (<https://ernd.nrf.re.kr>)

※ Information of Host Researcher (mandatory) must be updated three to four days in advance as when and how the updates are reflected to the KRI system differs according to the applicant's affiliate.

※ Application should be uploaded on the ERND system by the host researcher (BP applicant)'s ERND account not by the BP candidate's. The application shall be prepared within the deadline and made certain the BP application and necessary documentation required is uploaded in time)

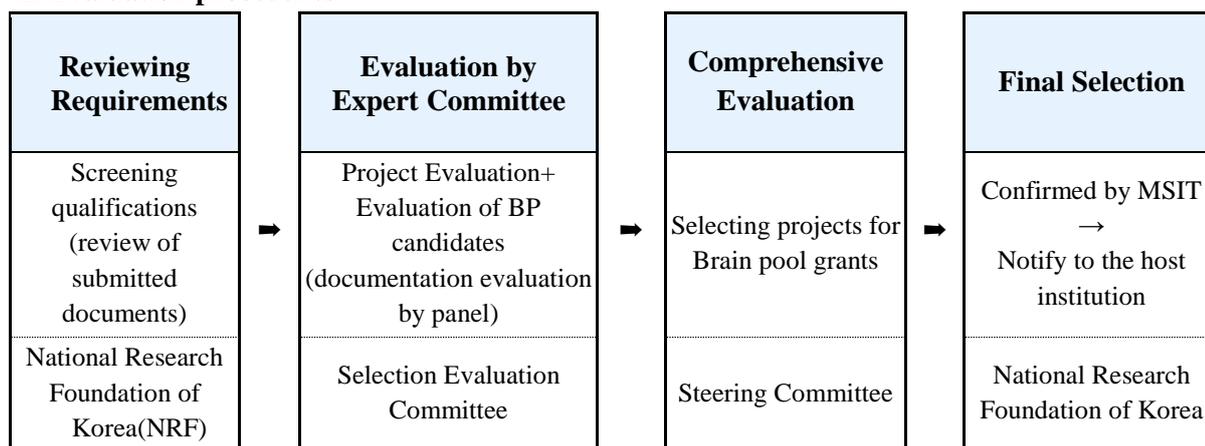
C. Documents to be submitted: Application forms (Appendix 1-1~1-3) are scheduled to be announced on June 17th (Mon.) 2019

Necessary documents when applying
<p>- Brain Pool application form (choose one between [Appendix 1-1] to [Appendix 1-3]) ① Appendix 1-1 (for Type 1 new application), ② Appendix 1-2 (for Type 1 re-application), ③ Appendix 1-3 (for Type 2) ✗ Please select appropriate application form based on whether it is a new application or a re-application for an existing project.</p> <p>- Agreement to personal information utilization - Pledge agreement of executing contract of integrity</p>

Necessary documents after final selection (only for selected Brain Pool Projects)
<p>- Paystub of Brain Pool fellow (invited scientist under BP program) for the entire recent year - Latest degree certificate of Brain Pool fellow - Invitation acceptance letter from Brain Pool fellow</p>

5. Evaluation Methods

A. Evaluation procedures



B. (Type 1) Evaluation Items and Distribution of Points for a New Application

Evaluation Item		Evaluation Criteria	Allotted Score
Project Evaluation (40)	Excellence and necessity for support	<ul style="list-style-type: none"> Excellence and concreteness of research project Necessity for government support and utilization of the Brain Pool candidate in the area and the research project 	15
	Utilizing the capabilities of the host researcher and the support system	<ul style="list-style-type: none"> Capabilities of the host researcher to utilize the Brain Pool candidate (e.g., research capabilities, network, research budget, and others) The system of the host researcher and the host institution for supporting the Brain Pool candidate (e.g., support for research, living, and others) 	15
	Level of utilization and expected impact of the research project	<ul style="list-style-type: none"> Possibility of a domestic/international linkage and cooperation in a research project 	10
Evaluation of the Brain Pool Candidates (60)	Roles of the Brain Pool candidate	<ul style="list-style-type: none"> Concreteness of the roles and the utilization plan of the Brain Pool candidate Whether the Brain Pool candidate possesses technologies that are desperately needed for the research project Validity and viability of the objectives and indicators of a joint research 	25
	Capabilities of the Brain Pool candidate	<ul style="list-style-type: none"> Diploma and research career Theses published in SCI-enlisted journals, patents, and achievements of academic activities made for the recent 5 years ※ In the case of industrial bodies, they can be substituted with achievements of technologies and businesses including patents, technical transfers, and technical commercialization. 	25
	Expected impact and volition for job fulfillment	<ul style="list-style-type: none"> Ripple effects as the results of joint R&D Activeness of the Brain Pool candidate's motive for applying to the program 	10
Total			100

(Type 1) Evaluation Items and Distribution of Points for a Reapplication

Evaluation Item	Detailed Item	Detailed Evaluation Criteria	Allotted Score
Research Performance of the Existing Project (70)	Level of achievement of objectives with regard to the research plan	<ul style="list-style-type: none"> ▪ Whether the objective of the research plan has been achieved ▪ Whether the research result and performance have been utilized 	25
	Details and methods of research implementation	<ul style="list-style-type: none"> ▪ Excellence and ripple effects of research performance including theses, patents, and technical developments ▪ Adequacy of research method and budget spending 	20
	Status of support for the Brain Pool candidate	<ul style="list-style-type: none"> ▪ Status of the support provided by the host institution and the host researcher for the Brain Pool candidate (e.g., support for research, living, and others) 	15
	Level of utilization of the Brain Pool candidate	<ul style="list-style-type: none"> ▪ Adequacy of the utilization of the Brain Pool candidate , faithfulness of the Brain Pool candidate , level of utilization/cooperation, and others 	10
Extended Research Plan (30)	Future research plan and operating policy	<ul style="list-style-type: none"> ▪ Plan for an extended research, details, and operating policy ▪ Linkage with the existing research details 	15
	Research objectives and methods	<ul style="list-style-type: none"> ▪ Adequacy and concreteness of the objectives of the extended research and the research methods for achieving the objectives ▪ Adequacy and other matters of budget compilation and spending 	10
	Volition for research fulfillment	<ul style="list-style-type: none"> ▪ Volition of the host institution, host researcher, and the Brain Pool candidate for research fulfillment 	5
Total			100

※ For a reapplication of projects that have benefitted from the program, the evaluation shall be conducted with a separate evaluation criteria apart from new application projects

.※ For a reapplication of BP projects, 3-5 percent of selection evaluation scores will be added or deducted depending on evaluation results

C. (Type 2) Evaluation items and Distribution of Points

Evaluation Item		Evaluation Criteria	Allotted Score
Project Evaluation (30)	Excellence and necessity for support	<ul style="list-style-type: none"> ▪ Excellence and concreteness of research project ▪ Necessity for government support and utilization of the Brain Pool candidate in the area and the research project 	10
	Utilizing the capabilities of the host researcher	<ul style="list-style-type: none"> ▪ Capabilities of the host researcher to utilize the Brain Pool candidate (e.g., research capabilities, and others) 	10
	Level of utilization and expected impact of the research project	<ul style="list-style-type: none"> ▪ Possibility of a domestic/international linkage and cooperation in a research project 	10
	Subtotal		30
Research Plan of Brain Pool Candidates (30)	Research Plan of Brain Pool Candidates	<ul style="list-style-type: none"> ▪ Research Plan of Brain Pool Candidates ▪ Continued networking plan with a Brain Pool candidate after completing the Brain Pool program 	15
	Host institution's intention to support	<ul style="list-style-type: none"> ▪ Plan for supporting the Brain Pool candidate (Supporting the research funding from host institution, office space, research environment, administrative assistance, etc.) ▪ Plan to support the settlement of the Brain Pool Candidate (Housing, etc.) 	15
	Subtotal		30
Evaluation of the Brain Pool Candidates (40)	Roles of the Brain Pool candidate	<ul style="list-style-type: none"> ▪ Concreteness of the roles and the utilization plan of the Brain Pool candidate ▪ Whether the Brain Pool candidate possesses technologies that are desperately needed for the research project ▪ Validity and viability of the objectives and indicators of a joint research 	15
	Capabilities of the Brain Pool candidate	<ul style="list-style-type: none"> ▪ Diploma and research career ▪ Theses published in SCI-enlisted journals, patents, and achievements of academic activities made for the recent 5 years ※ In the case of industrial bodies, they can be substituted with achievements of technologies and businesses including patents, technical transfers, and technical commercialization. 	15
	Expected impact and volition for job fulfillment	<ul style="list-style-type: none"> ▪ Ripple effects as the results of joint R&D ▪ Activeness of the Brain Pool candidate's motive for applying to the program 	10
	Subtotal		40
Total			100

6. Schedule for the Brain Pool 2nd round (2019) Recruitment

Schedule	Contents
June 5th, 2019 (Wed.)	Recruitment Announcement for the 2nd round 2019
July 16th, 2019 (Tues.)	Application deadline for program plans (18:00)
July 17th, 2019 (Wed.)	Approval deadline for host institutions (18:00)
July ~ August 2019	Selection evaluation (requirements evaluation, evaluation by experts, comprehensive evaluation)
August 2019	Final selection

7. Application and participation restrictions

A. Brain Pool Fellows are required to enter the Republic of Korea and commence research within three months from the date of final selection.

※ Failure to enter Korea within the time limit will lead to the cancellation of selection

B. Researchers under sanctions to participate in National R&D programs can neither apply for nor participate in the program.

C. This program is excluded from the projects subject to the restrictions (The number of R&D projects that can be simultaneously conducted by a host researcher shall not exceed five, among which the number of R&D projects that can be simultaneously conducted as a principal investigator (PI) shall not exceed three) referred to in Article 32 of the Regulations on Management, etc. of National Research and Development Projects.

D. In the event that the selection is abandoned by the applicant without any special reason after the notification of selection, a score deduction can be applied for the future Brain Pool application by the same applicant.

※ Close consultation with invited scientists (Brain Pool candidates) on personnel costs and timing of the invitation are required before applying for the BP program.

8. Others

- Due to health concerns, Brain Pool candidates who are 75 years of age or older* will be limited to extremely exceptional cases (such as in fields of science which have not been introduced to Korea, areas where urgency to host the BP candidate is recognized, or highly distinguished researchers in the field)

* Born on or before 1943.12.31

- In principle, the residence of Brain Pool Fellows is provided by host institutions (institution that host the Brain Pool fellows).

- Unclear research purpose or contents, or missing information in the application form may lead to disadvantages for the screening evaluations.

- Brain Pool fellows must enter Korea and launch their research within three months after being selected.

- For more information, please visit the website of National Research Foundation of Korea* or refer to the Brain Pool Guidelines

* (Visit www.nrf.re.kr (in Korean)- by selecting Program Information on Menu – Program Classification – Training and Human Resources Development – Global Researcher Invitation Programs -> Brain Pool Program -> Notice)

[Contact]	
Program Inquiry	Global R&D Cooperation Team National Research Foundation of Korea(NRF) ☎ 02-3460-5624, 5637 (For Korean, English) / E-mail: bpkrf@nrf.re.kr ※ If the line is continuously busy, please send us your inquiries via email
Inquiries for Online Application	Research Advisory Center (Call Center) National Research Foundation of Korea ☎ 1544-6118

[Reference]

List of Documents to be Submitted

Necessary documents when applying
<p>- Brain Pool application form (choose one between [Appendix 1-1] to [Appendix 1-3]) ① Appendix 1-1 (for Type 1 new application), ② Appendix 1-2 (for Type 1 re-application), ③ Appendix 1-3 (for Type 2)</p> <p>*Appropriate application form based on whether it is a new application or a re-application for an existing project.</p> <p>- Agreement to personal information utilization - Pledge Agreement of Executing Contract of Integrity</p>

Necessary documents after final selection (only for selected Brain Pool Projects)
<p>- Paystub of Brain Pool fellow (invited scientist) for the entire recent year (for reapplication, please submit a paystub of the BP fellow's most recent affiliate)</p> <p>- Latest degree certificate of Brain Pool fellow</p> <p>- Invitation acceptance letter from Brain Pool fellow</p>

<List of documents to be submitted>

- ※ Please select an application form between [1-1] to [1-3] based on whether it is a new application or a re-application (within 30 pages excluding cover, summary, appendix and instruction)
- ※ Acceptance letter of Brain Pool candidates-**no fixed form**.
Exchange of letters (e.g. e-mail) including signature can also be accepted.
- ※ The **paystub for the entire recent year** is a **mandatory document** for the calculation of the personnel costs when selected as a Brain Pool fellow
- ※ Selected **BP fellow's physical doctoral degree certificate or diploma (copy) must be submitted**. As a rule, **provisional certificates are not accepted**. Proof of work without submitting the copy of the actual degree certificate is not accepted. (Only official certifications stating the degree conferral date issued by

candidate's degree awarded by the university can be granted. Certificates not showing a degree conferral date or provisional certificates are not acceptable.)

- ※ **Documents must be written in Korean or English. Other languages should be translated into Korean or English, and the translation should be notarized.** The translated notarial documents should be attached.
- * In principle, the application form should be written in Korean by the host researcher (academic parts like research contents can be written in English as to share research plans with overseas researchers). “General Information of Invited Scientist (Brain Pool candidate)” shall be written by Brain Pool candidate in Korean or English.
- ※ Any false information in documents submitted may lead to withdrawal of selection even after the final evaluation.

※ This guideline has been translated from original Korean documents with regards to Korean research. Therefore, this translation has focused on providing the main contents and points to brain pool overseas candidates for better understanding and subject to change without prior notice. The actual details will follow the “Guidelines for the Management of the Brain Pool(BP) Program” and “BP agreement”.

※ In the event of any discrepancy between the Korean original and this English translation, the Korean original shall prevail.

