

Brain Pool Program (BP Program)

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 a long term international cooperation network.
- 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

- Building an international cooperative network with leading international scientists
- Improvement of the level of science technology in the industry, academia, and institute by focusing on compensating for the insufficient number of outstanding researchers.
- Creating synergy effects by interacting with Korean and overseas high-level scientists, **creating** an open research environment for improving the level of globalization.

3 Eligibility of Invited Scientist (Brain Pool Fellow)

- Foreign or overseas Korean scientists* living abroad and holding a Doctoral degree with 5-years or more of R&D experience outside of Korea.

***Korean nationals - limited to those who are residing overseas when applying for the Brain Pool program.**

※ In the case of that corporate research institute is 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 with the same project (same PI, Brain Pool fellow)
- ※ Possibility of re-applying within 3 years after completing the Brain Pool program for up to a maximum of 3 times (including the first term).

4 Applicable projects and Fields

- Applicable projects : Those which need outstanding scientists and engineers from overseas and are strategically necessary for Korea to advance its science and technology.
- Applicable fields : All fields in science and technology

Area	Specific Area
Pure Science	Mathematics, Physics, Chemistry, Biology, Earth Science, Measurement and Instrumentation, Standards, Astronomy
Mechanics, Materials and Aerospace	Mechanics, Naval Architecture, Aviation, Space, Materials
Electricity, Electronics, Information Communication Technology	Electricity, Power, Electronics, Computer, Communications, Optical Engineering, Applied Physics
Chemical Engineering and Bioscience	Applied Chemistry, Chemical Engineering, Bioengineering, Agriculture, Fishery, Health
Resources, Ocean, Environment, Construction, Energy	Resources, Ocean, Environment, Construction and Nuclear Power and energy
S&T Policy and Other Areas	Cognitive/Emotional Science, Science and Technology Policy/Society, etc.

- ※ Major preferences
 - Provide strategic preferential support in areas where the country's private sector lacks R&D capabilities and where the government's role as a technology provider is critical in projects such as IoT Platform, New Biologics, Advanced Materials, Disaster Safety.
(Reference: 2018 National R&D investment plans & standards, by steering committee of national science & technology council in March, 2017)

5 Host Institution

- Government-supported research institutes, national and public research institutes, universities and university-affiliated research institutes, corporate research institutes* (affiliated research institutes registered with the Korea Industrial Technology Association)

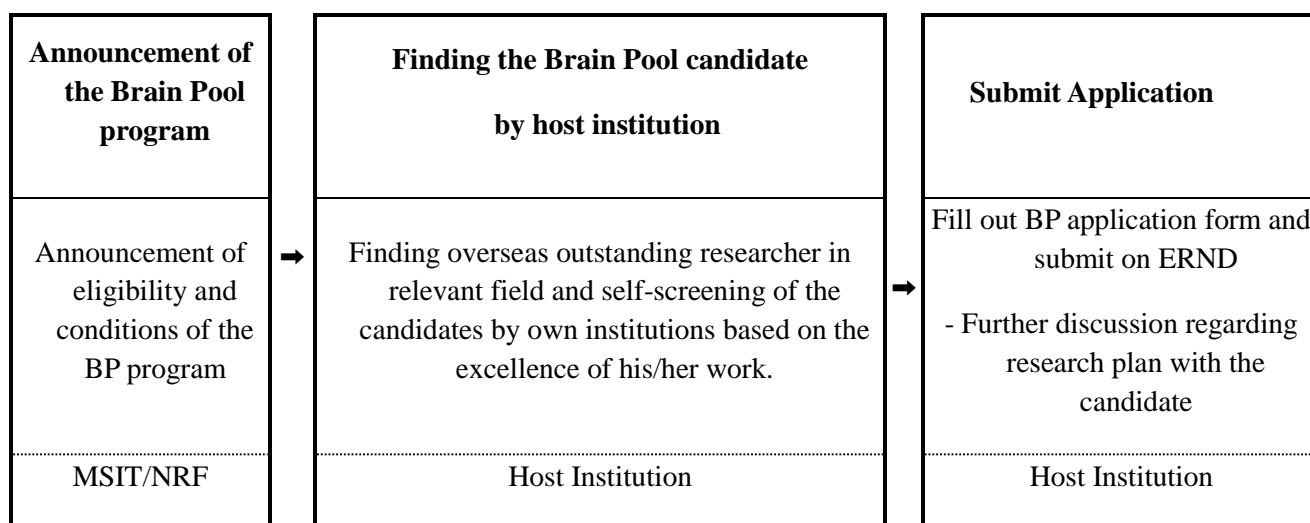
* Corporate research institutes are those established as SMEs and venture businesses under Article 14 (1) of the Basic Research Promotion and Technology Development Support Act and Article 16 (1) of the Enforcement Decree of the same Act

6 Utilizing Brain Pool Program

◦ Host institutions discover and search for their Brain Pool candidates and apply for the Brain Pool program

- Host institutions are required to verify the necessity of hosting Brain Pool fellows, the capabilities of the candidates, and the likelihood of their further development
- Host institutions are required to manage the support system for the Brain Pool fellows (e.g., support for research, living in Korea, administration duties)

<Procedures>



7 Management of Brain Pool Program

- Program period: from 6 to 12 months (For companies' affiliate research institutes, the program period can be from 3 to 12 months.)

※ Brain Pool fellow's entry into South Korea and the initiation of Brain Pool Program must be *commenced within 3 months from the date the selection results are notified* (Delay of initiation research over 3 months will lead to the withdraw of the fellowship.).

◦ **Level of Funding: Personnel costs of Brain Pool fellow and his/her hosting expenses(Invitation expenses)**

- In accordance with the calculation standards stated in the Brain Pool management guidelines.

< **Level of Funding** >

Classification	Personnel Costs	Invitation Expenses
Newly Selected	KRW 3 ~ 10 Million/ Month (depending on the results of evaluation of each fellow)	KRW 3.4 ~ 12.6 Million (airfare, moving expenses, insurance premiums, etc)
Re-appointed		

- ※ Personnel costs are supported in accordance with the calculation standard, which reflects the researchers experience, salary, and research achievements of Brain Pool fellow (minimum 3 million won / month / maximum of 10 million won / month).
- ※ However, for company-affiliated research institutions of small/medium enterprises, Personnel costs of Brain Pool fellows will be supported 90% (70% for enterprises of middle standing)
- ※ Small-sized enterprises must cover 10% of the fellow's personnel costs (cash only) as well as bear more than 15% in kind (or cash).
- ※ For the third term of a re-applied project, the NRF shall provide 50% of personnel costs of the Brain Pool Fellow(The rest of personnel costs must be set by the matching funds from the host institution.)

◦ **Brain Pool Grants**

- **Providing Brain Pool grants** : Following the conclusion of the agreement with the host upon confirming the fellow' certificates of entry (passports, etc.), Brain Pool funds will be deposited into the host institutions' account, and the program will then start accordingly.
- **Execution of Brain Pool grants**: The host institution pays the fellow's salary at a flat rate every month after completing the employment contract between the fellow and the host institution, and invitation expenses shall be paid based on the actual expenses, in accordance with the Brain Pool guidelines.

◊ Procedures

