

Korea Invites Global Talent

2025 Selected Host BP Laboratories in Korea(2025-2027)

What is Brain Pool (Institution track) Program?

- ✓ Inviting overseas outstanding researchers to Korean R&D institutions
- ✓ through **full-scale support for salary, stay, travel, and research collaboration**
- ✓ Especially, **BP Institution Track** connects international researchers with leading Korean laboratories & research institutions.
- ✓ Selected host laboratories could provide world-class research environments, comprehensive funding opportunities, and strong international R&D collaboration networks.

Supporting Items For Invited Researchers :

- **R&D duration** : 2025 ~ 2027.12.31.
- **Salaries** (Up to 300 million KRW per year)
- **Cost for Relocation** (Airfare etc.)
- **Research Activity Incentives**
- **Subsidies for Child Education**
- **Extra Funding for Research Activities**
(conference, materials for experiments, etc.)

Researchers joining the program can :

- **Conduct Frontier Research**
- **Access Advanced Infrastructure**
- **Collaborate with Leading Korean Scientists**
- **Expand Global Research Networks**
- **Find more R&D Opportunities in Korea!**

Laboratories List (2025-2027)

[See the back for details!](#)

- ◆ **(KBSI, Korea Basic Science Institute)** Development of High-Precision Isotopic Analysis for Rare Samples and Reference Materials in Earth and Planetary Sciences
- ◆ **(KIMM, Korea Institute of Machinery & Materials)** Development of autonomous robot task intelligence technology capable of performing various high-difficulty tasks
- ◆ **(Yonsei University)** International Research Center for Hydrogen Value Chain
- ◆ **(Sungkyunkwan University)** Development of Full-Body Bimanual Humanoid Robot Technologies Enabled by Integration of Vision, Tactile, Force Feedback, and Artificial Intelligence
- ◆ **(KAIST)** Brain Pool Global Hub for Urban AI
- ◆ **(Hanyang University)** Quantum Properties of Nanoscale Materials under Extreme Conditions
- ◆ **(Pusan National University)** Establishment of a Global Education and Research Hub for Climate-Resilient and Sustainable Rice Agriculture
- ◆ **(Hanyang University ERICA)** Large-Scale Matrix based Evolutionary Computation Algorithms: Theory and Applications
- ◆ **(Kyung Hee University)** Pioneering Next-Generation Physics Research through AI-Quantum Convergence



2025 Selected Host Laboratories

Research Center for Earth and Planetary Material Analysis / Korea Basic Science Institute

Principal Investigator: Dr. Keewook Yi

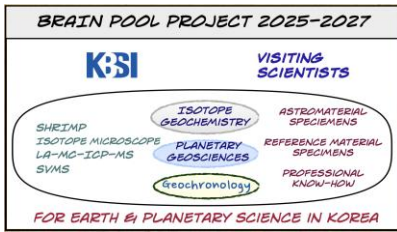
Research area: Geology, Geochemistry, Planetary Science

Contact: kyi@kbsi.re.kr



Isotope microscope

SHRIMP-IIe/MC



Development of Full-Body Bimanual Humanoid Robot Technologies Enabled by Integration of Vision, Tactile, Force Feedback, and Artificial Intelligence / (Sungkyunkwan University)

Investigators : Prof. Hyungpil Moon (Contact : hyungpil@skku.edu)

- Prof. Jonghyun Kim (jonghyunkim@skku.edu), Prof. Hyeonwoo Yu (hwyu@skku.edu)

Research Field : Multimodal Manipulation, Humanoid, VLA, Long-Horizon Planning

Research Objectives:

1. Development of Precision Grasping, Manipulation, and Bimanual Coordination
2. Implementation of Multimodal Spatial Perception and Embedded AI Learning Systems
3. Whole-Body Control of Humanoid Robots
4. Integration of the bimanual whole-body humanoid robot technologies

We offer a high degree of research independence within the BP project, with a main focus on whole-body and dual-arm motion control for humanoid robots. Collaboration on multimodal sensory manipulation research is also encouraged. Top-tier conference (e.g., ICRA, IROS, CoRL) and journal publications during the contract period are desired. The lab is equipped with Rainbow Robotics' RBY1 and Agibot X2 Ultra.



Advanced Robot Research Center / Korea Institute of Machinery and Materials

Principal Investigator: Dr. Dong-Il Park

Research Field: Bimanual Robot, Physical AI, Robot Control, Humanoid

Contact: parkstar@kimm.re.kr

Research Topics

Teleoperation-Based Multimodal Demonstrations and Physical AI-Based Autonomous Manipulation for Bimanual Robots



Research Fields



Brain Pool Global Hub for Urban AI / Korea Advanced Institute of Science and Technology(KAIST)

Brain Pool Global Hub for Urban AI

/ Korea Advanced Institute of Science and Technology(KAIST)

Principal Investigator : Prof. Yoonjin Yoon(KAIST)

Research Focus Areas

- Geospatial AI(<https://spacetime.kaist.ac.kr>)
- Climate AI(www.sohyoung-in.com)
- Physical AI(<http://acss.kaist.ac.kr>)

Contact

urban@kaist.ac.kr



Institute for High Pressure Research - Quantum Phenomena under Extreme Conditions: Pressure Temperature and Magnetic Fields / Hanyang University

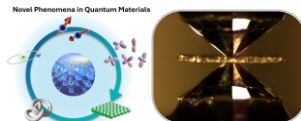
• **Principal Investigator:** Prof. Jaeyong Kim

• **Co-PIs:** Munseok Jeong, SoonJae Moon, SangMo Cheon ChangMin Lee, MoonJip Park of Physics Department

• **Research Field:** Quantum Properties under High Pressure

• **Contact:** hpc@hanyang.ac.kr

<http://hpc.hanyang.ac.kr>



Establishment of a Global Education and Research Hub for Climate-Resilient and Sustainable Rice Agriculture / Pusan National University

Principal Investigator Prof. Sun Tae Kim / stkim71@pusan.ac.kr

Research Field Plant Immunity | Plant-Pathogen Interaction | Proteomics

Research Field Plant Reproductive Biology | Single-Cell Transcriptomics

Research Field Rice Metabolomics | Functional Crop Breeding

Publication:

- Plant Physiology and Biochemistry
- Plant, Cell & Environment
- Food Chemistry: X

International scientist:

- Yiming Wang
- Wanqi Liang
- Longzhi Han

• BP Partners Group: Nanjing Agricultural University, Shanghai Jiao Tong University Chinese Academy of Agricultural Sciences



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National Research
Foundation of Korea

AI-Quantum Convergence Global Research Hub / Kyung Hee University

Principal Investigator: Young-Kyun Kwon

Research Field: AI-Quantum Convergence

Contact: Prof. Young-Kyun Kwon | ykkwon@khu.ac.kr

Jeongwon Cho | garden0304@khu.ac.kr



Kyung Hee University is building a global hub for next-generation physics through AI-quantum convergence. Our research spans AI-driven self-driving laboratories, DFT/ML-based quantum-material design, quantum devices, AI-enabled quantum simulation, and explainable AI. Researchers benefit from Space21, high-performance computing, quantum-cloud access, and the Global Research Center for Quantum Materials. We welcome outstanding researchers seeking frontier science and strong international collaboration in Korea.