

2020 Call for IBS Young Scientist Fellowship

1. Purpose and Background

With the vision of “**Making Discoveries for Humanity and Society,**” the Institute for Basic Science (IBS) was founded in 2011 by the Korean government to promote basic sciences in Korea. To date, IBS has thirty Research Centers and each Center has been yielding outstanding results in various research fields.

The **IBS Young Scientist Fellowship (YSF)** started in 2016 to play an active role in fostering the next-generation’s basic science leaders. We believe this fellowship offers junior scientists opportunities to conduct independent research by utilizing state-of-the-art infrastructure and to grow on the basis of research collaborations with leading researchers.

We hope that the **YSF** program serves as a **stepping stone** for our researchers to be appointed as independent principal investigators at prestige institutions around the world.

2. Eligibility

- Within 7 years of obtaining a Ph.D. (conferred as of 1 January 2014) or under the age of 40 with a Ph.D. (born no earlier than 1 January 1980)
 - ※ Ph.D. candidates must be conferred with a Ph.D. degree before 31 August 2020.
- Researchers currently participating in IBS Research Centers are eligible to apply, if they meet the above criteria.

3. Recruiting Centers and Openings

Field	Center	City	# of openings	Budget	
Mathematics	Mathematical and Computational Sciences (PRC)	Discrete Mathematics Group	Daejeon	0	Up to KRW 150 mil./year
		Data Science Group	Daejeon	0	
Theoretical physics	Theoretical Physics of the Universe		Daejeon	0	
	Theoretical Physics of Complex Systems		Daejeon	0	
Experimental physics	Correlated Electron Systems		Seoul	0	KRW 150 – 300mil./year (up to KRW 150mil. for theoretical fields)
	Integrated Nanostructure Physics		Suwon	0	
	Relativistic Laser Science		Gwangju	0	
	Artificial Low Dimensional Electronic Systems		Pohang	0	
	Underground Physics		Daejeon	0	
	Axion and Precision Physics Research		Daejeon	0	
	Quantum Nanoscience		Seoul	0	
	Exotic Nuclear Studies		Daejeon	0 (Experimental field only)	
	Climate Physics		Busan	0	
Earth science	Nanoparticle Research		Seoul	0	
Chemistry	Cognition and Sociality (Cognitive Glioscience Group)		Daejeon	0	
Life sciences	Center for Genomic Integrity		Ulsan	0	
	Vascular Research		Daejeon	0	
Interdisciplinary	Neuroscience Imaging Research		Suwon	0	
	Nanomedicine		Seoul	0	
Total				20	

※ The final number of YSF researchers may change depending on the deliberation results of the 2021 IBS budget.

4. Benefits and Conditions

- Full-time work and 100% research participation in principle
 - ※ YSF researchers are not allowed to participate in other research projects (e.g. Sejong Science Fellowship, Young Researcher Program of National Research Foundation, etc.) besides YSF projects; and any mutual selection of other research projects with YSF program may cause the cancellation of YSF projects.
- Annual budget of KRW 150 – 300 mil. per year including salary of KRW 60–70 mil. (up to KRW 150 mil. for theoretical fields and up to KRW 300 mil. for experimental fields)
- Appointment for three years with a possible two-year extension depending on the performance review results
 - ※ When a current IBS researcher is selected, support will be offered for up to three years (please refer to the FAQ for details).
- After physically relocated to one of the IBS Centers, YSF researchers will conduct independent research by utilizing research facilities and equipment of the Center (organizing small research group is possible).
- Selected YSF researchers must commence their research between 1 January 2021 and 31 December 2021.

5. Selection Process: [Three Phases]

- **Letter of Intent (approx. 3 pages)**
 1. Submission deadline: by 31 May 2020
 2. Review by directors and evaluation panel members
 3. Invitation to submit full proposals: by 30 June 2020
- **Full Proposal (approx. 10 pages)**
 1. Submission deadline: by 31 August 2020
 2. Review by directors and evaluation panel members
 3. Invitation for an on-site interview: by 30 September 2020
- **Interview**
 1. Interview and presentation: in November 2020
 2. Comprehensive review by evaluation panel chairs
 3. Announcement of YSF researchers: by early December 2020
 - ※ The schedule may be subject to change depending on the circumstances of IBS.

6. How to Apply

- Apply via the IBS website at <http://www.ibs.re.kr/ysf/apply> no later than **31 May 2020 (KST)**.