

# Announcement for New Proposal Applications for Basic Research Programs in Science and Engineering for 2020

The Ministry of Science and ICT hereby announces the plan to support new proposals in basic science and engineering research in 2020 as described herein.

**Dated: November 6, 2019**

**Ministry of Science and ICT**

**Kiyoung Choi**

**National Research Foundation of  
Korea**

**Jeong-Hye Noh**

## 1. Program overview

### Program purpose

- Contribute to expanding future capabilities of science and technology by strengthening basic and creative research and fostering talented researchers.

- ◆ The term "Won" or "won" herein refers to the South Korean Won (KRW) (currency of the Republic of Korea).
- ◆ Free open-ended 'Research-led Fundamental Research Projects' that are freely proposed and supported by researchers through evaluation on creative and challenging research topics will be supported by an overall budget of 1.5197 trillion won for 2020.
- ※ (Directed by the MSIT) ('19) 1.2 trillion won → ('20) 1.5197 trillion won (+319.1 billion won)

□ Support plan (except for the field of mathematics)

※ The information and research terms for the research budget support for the mathematics field are provided separately, as explained below on page 7.

(A Pilot Application of Mathematics in 2020 for the Establishment of the Support System for Basic Research Projects)

○ Individual Research

Program	Business proposal and characteristics	Support target	Initial Support		Follow-up project		
			Annual research budget	Research term	Annual research budget	Research term	
Excellent Research	Leader research	Supporting researchers who have reached world-class levels to develop their own technologies and new technologies in the future	Faculty members (tenure track, non-tenure track) at colleges or universities and researchers at public, government-funded or private research institutes.	(Average) Within 800 million Won	9 years (3+3+3)	Amount within the framework of the preceding research support received	3 years
				800-1,500 Million Won	5 years (3+2)	Within 800 million Won	3 years
	Middle Career Research	Support creative individual research to foster excellent basic research skills and develop a growth platform as a leader in researcher.		(Average) Within 200 million Won	1-5 years	3 years (For projects performed more than 3 years, no restriction on the number of extensions. <sup>(note3)</sup> )	
				(Average) More than 200 million but within 400 million Won	1-5 years		
	Young Research	Support to motivate young researchers and maximize their research capacity to nurture them into outstanding researchers	Faculty members (tenure track, non-tenure track) at colleges or universities and researchers at public, government-funded or private research institutes, who have obtained their Ph.D. within the last 7 years or are below 39 years of age	Within 150 million Won (50-100 million Won as an initial fund is available to help establish the required research infrastructure <sup>(note1)</sup> )	1~5 years (1 year for the initial fund available to establish the required research infrastructure)	(Average) Within 200 million Won / 1-5 years (To be connected with the Type 1 of the middle career research)	

Program	Business proposal and characteristics	Support target	Initial Support		Follow-up project		
			Annual research budget	Research term	Annual research budget	Research term	
Career Basic Research	<b>Bridging Research</b>	Assisting researchers who carry out outstanding research tasks to re-introduce them in the event of a research break	Faculty members (tenure track, non-tenure track) at colleges or universities and researchers at public, government-funded or private research institutes ※Qualification <sup>note2)</sup> required	30 million Won, 50 million Won	1 year	-	-
	<b>General Research</b>	Expanding the research base and enhancing the national research capability by providing extensive support for personal basic research in the field of science and engineering.	Faculty members (tenure track) at colleges or universities and researchers at public, government-funded or private-research institutes	(Average) Within 50 million Won	1-3 years	-	-
	<b>First Life Research</b>	Expanding the Research Opportunities of Newly Developed Researchers and Encouraging the Establishment of Early Research	Faculty members (tenure track) at colleges or universities, who have obtained their Ph.D. within the last 7 years or who are below 39 years of age and who have not received "Basic Research Program" funding in the past.	(Average) Within 30 million Won	1-3 years	-	-

※ Annual research budget / research term is applied for separately by those applicants in the field of Mathematics via a pilot project application (please refer to p. 10)

※ (the maximum annual research budget allowable) Leader Research: (type 1) 800 million Won, (type 2) 1.50 billion Won / Middle Career Research: 400 million Won / Young Research: 1.50 billion Won (except for first innovation laboratory research budget) / General research: 50 million Won / first life research: 30 million Won

**<Note : Concept of the Maximum Amount of Annual Research Funds Applicable and Example of an Application for Research Fund>**

- ▶ Average research fund: The amount of total research fund divided by the total research period during the total research period.
- Average research fund = Total research fund ÷ total research period.
- ▶ Maximum amount of annual research funds applicable: The maximum limit of research funds that can be applied by a researcher per year.
- ▶ (Example) Example of Type 1 of the middle career research (annual average research fund of 200 million Won or less, the maximum annual research fund applicable of 400 million Won)
- In the case where a researcher applies for 「400 million Won (for the first year) → 80 million Won (for the second year) → 60 million Won (for the third year)」, the annual average research fund will be 180 million Won. As the researcher has applied within the annual maximum applicable limit of 400 million Won, he/she can apply.

**note1)** First Innovative Research Lab: An additional fund is made more available for newly employed faculty members to help them establish their initial research infrastructure (Fund: 50-100 million Won for the first year; this excludes indirect costs. Additional funding is provided only once).

**note2)** Non-selected person for 2020 new project, after the completion of excellent research (including Leader, Middle Career, Young Researcher) within the first year, based on the start date of bridging research (Excluding those who participate in national R&D projects, including group research).

**note3)** Application for new ("initial support" + "follow-up project") selected project will be applied from 2020 onwards. Ongoing project offers one "follow-up project" opportunity of the same type (period and budget).

○ Group research

Program	Business purpose and characteristics	Support target	Annual research budget	Research term (Max.)	
	Science Research Center (SRC)	Strengthen the national capacity for basic research, such as the formation of new theories and resolution of scientific challenges, by cultivating outstanding research Groups.	Research group of about 10 researchers at one or more	Within 1,560 million Won	7 years (4 +3) (Possible to renew for an additional 3 years)
	Engineering Research Center (ERC)	Achieve basic research outcomes that can be applied to original and application research projects by nurturing outstanding engineering groups and serve as a hub of industry-academia collaborations	universities with science and engineering graduate schools	Around 2,000 million Won	
<b>Leadership Research Center</b>	Medical Research Center (MRC)	To strengthen national research capacities in bio and medical fields by cultivating outstanding research groups in Western and Oriental medicine; also dental and pharmaceutical sciences studying vital phenomena and disease mechanisms in human subjects.	Research group of about 10 researchers at a single university with a graduate school of basic medical sciences (Western and Oriental medical, dental, and pharmaceutical).	Within 1.40 billion Won	7 years (4+3)
	Convergence Research Center (CRC)	Cultivate interdisciplinary convergence research groups capable of addressing new and diverse social problems and public demands and create world-class innovative knowledge.	Research group of about 15 researchers at a university with graduate schools of science and engineering and in humanities/sociology/arts.	Within 2.00 billion Won	

Program	Business purpose and characteristics	Support target	Annual research budget	Research term (Max.)	
	Regional Leading Research Center (RLRC)	Intensively support outstanding researchers and regional hubs in regional universities; foster regionally specialized R&D programs through industry-academia collaboration; nurture outstanding research personnel.	A research consortium composed of non-Seoul universities and other organizations (e.g. university, etc.) in the same region.	Within 1.50 billion Won	
<b>Basic Research Laboratory</b>	Deepening type	Systematic incubation of small research groups by supporting various forms of research that deepen existing research.	A research group of three to four people, including full-time faculty at science and engineering colleges.	Within 500 million Won	3 years (subsequent 3 years)
	Carving out type	Supporting the growth of competent young researchers by supporting creative and challenging research in new fields that have rarely been tried in Korea, such as academic convergence.			
	Breakthrough type	To provide a basis for fundamental solutions in science and technology issues by supporting basic research to secure core technologies in the main industries and to help Korea become self-reliant.			

## □ (Mathematics field) Support plan

※ The support contents are the same as the plan existing for other fields except for the research budget and research term.

※ In the field of mathematics (all RB fields in which CRB is mathematics), general types other than math types cannot be applied.

※ "Leader Research" and "Basic Research Lab" not supported for "follow-up project" option which starts in 2020.

## ○ Individual research

Program		Initial Support		Follow-up project	
		Annual research budget	Research term	Annual research budget	Research term
Excellent Research	Leader Research	(Average) Within 400 million Won	5 years (3+2)	-	-
	Middle Career Research	type1	Within 150 million Won	1-5 years	Amount within the framework of the preceding research support received (For projects performed more than 3 years, no restriction on the number of extensions)
		type2	150-250 Million Won	1-5 years	
	Young Research	Within 100 million Won (50-100 million Won as an initial fund available to establish the required research infrastructure <sup>(note1)</sup> )	1-5 years (1 year for the initial fund available to establish the required research infrastructure)	(Average) Within 200 million Won / 1-5 years (To be connected with the "Type 1" of the "Middle Career Research" proposal)	
Basic Career Research	Bridging Research	30 million Won, 50 million Won	1 year	-	-
	General Research	(Average) Within 60 million Won	1-3 years	-	-
	First Life Research	(Average) Within 30 million Won	1-3 years	-	-

**(note1)** First Innovative Research Lab: An additional fund is made more available for newly employed faculty members to help them establish their initial research infrastructure (Fund: 50-100 million Won for the first year, excluding indirect costs. Additional funding is provided only once).

○ **Group research**

<b>Program</b>		<b>Annual Research Budget</b>	<b>Research Term (Maximum)</b>
<b>Leadership Research Center</b>	Science Research Center (SRC)	Within 1,560 million Won	7 years (4+3) (Possible to renew for an additional 3 years)
<b>Basic Research Laboratory</b>	Deepening type	Within 500 million Won	3 years
	Carving out type		
	Breakthrough type		



## 2. Information for the support scale for new projects for the year 2020

### □ Details of plan of project support (Mathematics field is included)

- The new projects are divided into 'Initial support' selected in the year 2020 and 'Follow-up project' with excellent results among the 2020 year-end projects.
  - Application for new project are limited to “Initial Support,” and guidelines for “Follow-up project” will be provided separately to the principal investigator for submission, evaluation and selection.

Program		Initial Support	Support scale per project (including indirect costs)
Excellent Research	Leader Research	(first half) Between 14-29	(type 1) each year: within 800 million Won × 9 years (type 2) each year: 800–1,500 million Won × 5 years
	Middle Career Research	<b>type 1</b> (first half) 1,050 or so (second half) 300 or so	(type 1) each year: Within 200 million Won × 1—5 years
		<b>type 2</b> (first half) 250 or so	(type 2) each year: Within 400 million Won × 1—5 years
	Young Research*	(first half) 765 or so	each year: Within 150 million Won × 1—5 years
Career Basic Research	Bridging Research	(first/second half together) 252 or so	each year: 30/50 million Won × 1 year
	General Research	(first half) 1,812 or so	each year: Within 400 million Won × 1—3 years
	first life research	(first/second half together) 300 or so	each year: Within 400 million Won × 1—3 years
Leadership Research Center	Science Research Center (SRC)	(first half) 6	each year: Within 1,560 million Won × 7 years (4+3years)
	Engineering Research Center (ERC)	(first half) 5	each year: Within 2,000 million Won × 7 years (4+3years)
	Medical Research Center (MRC)	(first half) 4	each year: Within 1,400 million Won × 7 years (4+3years)

Program		Initial Support	Support scale per project (including indirect costs)
	<b>Regional Leading Research Center (RLRC)</b>	(first half) 4	each year: Within 1.50 billion Won × 7 years (4+3years)
<b>Basic research Laboratory</b>	<b>Deepening type</b>	(first half) 70	each year: Within 500 million Won × 3 years
	<b>Carving out type</b>	(first half) 20	
	<b>Breakthrough type</b>	(first half) 40	

\* For the first Innovative Research Lab (in the first year) only, 50-100 million Won (excluding indirect costs) additional support is provided.

※ It includes mathematics support program. Detailed plans for mathematics support is attached below '(mathematics field) project support program details (page 9).

※ Details must be checked for details of the project application.

※ Changes can be made after the budget is finalized in the National Assembly; the number of new projects can vary depending on the budget situation.

※ Follow-up projects (one leader research, 323 Middle career research, one Leadership research center and 20 Basic research laboratory).

※ (Leader Research, Young Research, Leadership Research Center and Basic Research Laboratory.) The first year of the multi-year research project pays only nine months' research expenses.

**(Mathematics field) project support program details**

Program		Initial Support	Support scale per project (including indirect costs)
	<b>Leader Research</b>	(first half) 1	each year: 400 million Won × 5 years
<b>Excellent Research</b>	<b>Middle Career Research</b>	<b>type 1</b> (first half) 34 or so (second half) 9 or so	each year: Within 150 million Won × 1—5 years
		<b>type 2</b> (first half) 6 or so	each year: 150-250 million Won × 1—5 years
	<b>Young Research*</b>	(first half) 29 or so	each year: Within 100 million Won × 1—5 years

<b>Career Basic Research</b>	<b>Bridging Research</b>	(first/second half together) 9 or so	each year: 30/50 million Won × 1 year
	<b>General Research</b>	(first half) 97	each year: Within 60 million Won × 1—3 years
	<b>First Life Research</b>	(first/second half together) 18 or so	each year: Within 30 million Won × 1—3 years
<b>Leadership Research Center</b>	<b>Science Research Center (SRC)</b>	1	each year: Within 1.56 billion Won
<b>Basic Research laboratory</b>	<b>Deepening Type</b>	4*	each year: Within 500 million Won
	<b>Carving out Type</b>		
	<b>Breakthrough Type</b>	-	

\* The new project of the "Basic Research Laboratory" is based on the initial support project, and allocations of the number of project in deepening/carving out type in consideration of the result of application ("Breakthrough Type" is supported regardless of the number of assigned project)

※ ("Leader Research", "Young Research", "Leadership Research Center" and "Basic Research Laboratory".) The first year of the multi-year research project pays only nine months' research expenses.

### 3. Application (performance) qualification and participation limits

#### □ Number of applied and selected research projects

- **(Application)** As a Principal investigator or collaborator, application can be made according to the following principles:

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- **(Individual research, primary apply)** individual research (One research project among Leader Research, Middle Career, Young Research, First Life Research).  
※ However, it is possible to apply repeatedly for Leader Research and Middle Career research
- **(Group research, primary apply)** group research (One research project among group research).
- **(Individual research, secondary apply)** individual research (General Research)  
※ General research applicants are not allowed to qualify as those selected for (i) Bridging Research in the same year or those applying for (ii) Research Program for Overlooked Area of the Ministry of Education.

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- **(Individual research, tertiary apply)** individual research (One research project among Middle Career, First Life Research)  
※ **(Middle Career research) Only once a year can apply to the same type, 2020.**  
※ **(First life research) Only once a year can apply during the first and second half of 2020.**

- **(Selection)** Only one individual research project and one group research project will be selected among the application.

- **(Individual research)** Excellent research (Leader Research, Middle Career Research, Young research), Career Basic Research (General Research, First Life Research), Research Program for Overlooked Area, Fostering Next-generation Researchers Program.
  - **(Group research)** Leadership Research Center, Basic Research Laboratory, University (Institution) Emphasis Research Center
- \* **In the case where an applicant is selected simultaneously as the principal investigator or collaborator for two programs, the higher-grade research program shall be given priority and put forward for selection as follows:** (Group Research > Leader Research > Middle Career · Young · General · First Life Research · Research Program for Overlooked Area by the Ministry of Education.

**<Number of Basic research programs for application and selection>**

Programs			Application				selection
			※ Submission deadlines are given in the brackets ().				
			Individual, primary (Early December 2019)	Group, primary (Early January 2020)	Individual, secondary (Early March 2020)	Individual, tertiary (Early June 2020)	
Individual research	Excellent research	Leader Research	1 <sup>(note 2)</sup>	-	-	-	1
		Young Research		-	-	-	
		Middle Career Research		-	-	1	
	Career Basic research	First Life Research	-	-	1	-	1 <sup>(note 3)</sup>
		General research	-	-	1	-	
		Bridging Research <sup>note 1)</sup>	1	-	-	1	
Group Research	Leadership Research Center	-	1	-	-	1	
	Basic Research Laboratory	-	1	-	-		

**(note 1)** A qualified applicant can apply for the "Bridging Research" project simultaneously at the same time of the applicant applies for the Excellent research.

**(note 2)** Only one program among Leader-Middle Career-Young Reaserch-First Life research can be applied (But, it is possible to overlap apply for the Leader research and Middle Career research).

**(note 3)** If the applicant is selected for Briding research in the first half of the year, it is only possible to apply for and be selected for a Middle Career research (type 1) in the second half (Tertiary) of the year by the principal investigator who has met the requirements.

※ The application period is subject to change depending on project implementation and budget conditions.

□ **Restriction on Application and Participation**

○ **Restriction on applications due to current research projects**

- **Principal investigators and collaborators who are already conducting an Individual research program may not apply as a principal investigator or a collaborator for a new individual research program.**
  - **Principal investigators and collaborators who are already conducting Group research program may not apply as a principal investigator or a collaborator to the Group research program** (Regional innovation leadership research center (RLRC) exception conditions refer to RLRC Application Requirement P.7.).
- ※ Individual research: Excellent research (Leader research, Middle Career research (Strategy project include), Young research), Career Basic research (General research, First life research), Science and Engineering Individual basic, Academic balanced development support, Academic subsequent generation support.
- ※ Group research: Leadership research center, Basic Research Laboratory (Global Research Laboratory include), University (Institution) Emphasis Research Center

Exceptions

- **Researchers whose ongoing project is scheduled to terminate within 10 months from the commencement date of the new project may submit an application.**
- ※ **However, the initial application for Middle Career research in the second half of 2020 (2020.09.01. start) can only be applied if the ongoing projects are completed within 2020.12.31.**
- **Bridging research principal investigator can apply and perform individual research-excellent research within the selection year only.**

○ **One project per one researcher**

- **Participants of an Individual research can conduct only one project as a principal investigator or collaborator.**
- **Participants in a Group research project can conduct only one project as a principal investigator or collaborator.**

exception

- **Researchers whose ongoing project is scheduled to terminate within 10 months from the commencement date of the new project may submit an application.**

○ **Minimum participation rate of the Basic Research Program (in the case of a principal investigator)**

Project	Leader Research	Middle Career Research	Young Research	Leadership Research Center	Basic Research Laboratory
Minimum Participation	70%	30%	20%	60%	40%

※ The participation rate of collaborators of the “Leader Research” should be 30% or more, and core researchers of the “Leadership Research Center” should be 20% or more.

○ **Elibility for the national R&D Program**

- **(The 3-and-5 Rule: It has been implemented as a rule that the applicant is allowed three Projects as Principal Investigator and Five Projects as a Collaborator)** The number of projects that researchers can conduct simultaneously should be 5 or fewer, among which the researcher can participate as a principal investigator in 3 or fewer aforementioned projects.

**Central Contents that Relate to the “3-and-5 Rule”: Applications and Exceptions**

▶ **Article 32 of the Regulation on the Management of National R&D Projects, etc. (Focused on research performance)** ② The number of projects that researchers can conduct simultaneously should be 5 or fewer, among which the researcher can participate as a principal investigator in 3 or fewer aforementioned projects. However, research development projects applicable to any of the following subparagraphs shall not be included.

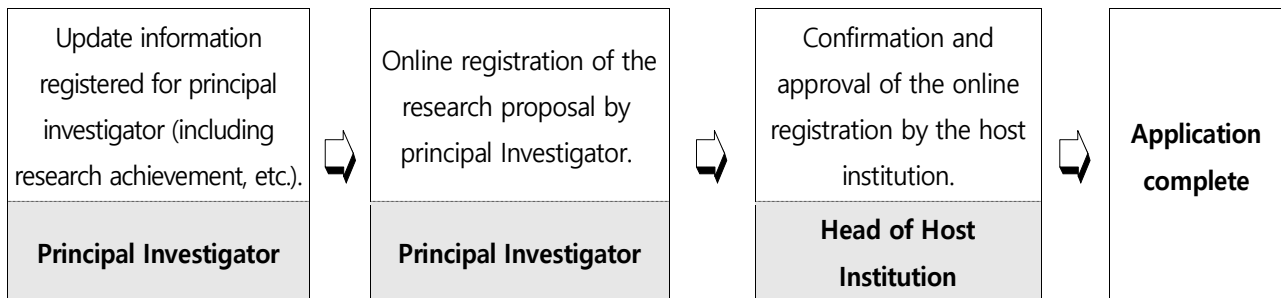
1. R&D projects to be completed within six months from the application deadline pursuant to Article 6 paragraph 4 or 5.
2. Research development project on preliminary research, planning, evaluation research or testing, testing and analysis.
3. Research development project for the purpose of coordination and management of detail projects.
4. As a joint technology development project between SMEs and non-profit corporations, a research development project in which the minister of Science Technology Information and Communications, in consultation with the head of the central administrative agency, sets the amount separately. (It is applied only to calculating the number of R&D projects of non-profit corporations researchers)
5. A small scale research development project of less than or equal to the amount \* set by the Ministry of Science and Technology Information and Communication, as determined separately by consultation with the Head of the Central Administration Agencies.

\*Projects with an average annual research cost of less than 50 million Won.

- **(Restriction on participation)** Researchers restricted from participating in national R&D projects can apply for and participate in new projects only when the restriction period ends before the proposal submission deadline.

## 4. Application procedure

- Log in to the NRF's Integrated Research Support System (ernd.nrf.re.kr) for the registration of the research proposal and then acquire approval from the principal host institution (affiliated institute).



※ For details, check the application requirements for the attached detailed project.

## 5. Evaluation Process

Program		Primary Evaluation	Secondary Evaluation
Leader research the (Mathematics field is included)		Discussion	Overseas Peer Review + Presentation + Discussion
Middle Career Young Research	Young Research and (Middle Career research type 1-1) Annual average research budget 100 million KRW below	Online Review	-
	(Middle Career research type 1-2) Annual average research budget 100 million KRW excess ~200 million KRW below (Mathematics, Middle Career research type 1) Annual average research budget below 150 million KRW	Discussion	-
	(Middle Career research type 2) Annual average research budget 200 million KRW excess (Mathematics, Middle Career research type 2) Annual average research budget 150 million KRW excess 250 million KRW below	Discussion	Presentation
General Research (Mathematics field is included)		Online Review	-
First Life Research (Mathematics field is included)		Panel Discussion	-
Leadership Research Center (Mathematics field is included)		Discussion	Presentation



Program		Primary Evaluation	Secondary Evaluation
Basic Research Laboratory (Mathematics field include)	Deepening type	Discussion	Presentation
	Carving out type, Breakthrough type	Discussion (Blind , Pass/Fail evaluation)	Presentation

※ Can be changed by detailed evaluation plan

※ Evaluation items and allotments by project must be checked for detailed project application requirements.

## 6. Application Period

### ※ Note matters information

- Applicants should check that the application is marked as “**Completed**” on the NRF web site before the deadline. (Please note that the complete submission of the application cannot be guaranteed if it is still listed as “In Process” on the web site).

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#### [Individual research, Primary] Leader research · Middle Career research · Young Research · First Life Research

- Researcher apply/receipt term : 2019.11.27 (Wed) 09:00:00, **2019.12.06 (Fri) 18:00:00**
- Approval from Host Institute : 2019.11.27 (Wed) 09:00:00, **2019.12.10 (Tues) 18:00:00**
  - ※ A qualified applicant can apply for the Bridging Research simultaneously at the time of the application for “Excellent Research” projects (Leader Research, Middle Career Research, Young Research)
  - ※ Additional support for First innovation laboratory will be implemented between April and May.

#### [Group research, Primary] Leadership Research Center · Basic Research Laboratory

- Researcher apply/receipt term: 2019.12.19 (Thurs) 09:00:00–**2020.01.06 (Mon) 18:00:00**
- Approval from Host Institute: 2019.12.19 (Thurs) 09:00:00–**2020.01.09.(Thurs) 18:00:00**

#### [Individual research, Secondary] General Research

- Researcher apply/receipt term : 2020. 2. 24.(Mon.) 09:00:00–**2020.03.06.(Fri) 18:00:00**
- Approval from Host Institute : 2020. 2. 24.(Mon.) 09:00:00–**2020. 3. 10 (Tues) 18:00:00**

< Second half >

□ **[Individual research, tertiary] Middle Career research · Bridging · First life research**

- Researcher apply/receipt term : Announced by May 2020.
- ※ A qualified applicant can apply for the Bridging Research simultaneously at the time of the application for the Excellent research (Leader Research, Middle Career Research, Young Research)

## 7. Timeline (Draft)

Timeline	Timeline and Contents
November 2019	<ul style="list-style-type: none"> <li>• Announcements of applications for new projects for 2020</li> <li>• (First half) Reception of the applications for the new Primary Individual research (Leader / Middle Career types 1 &amp; 2/ Young / Bridging / First life research)</li> </ul>
January 2020	<ul style="list-style-type: none"> <li>• (First half) Reception of the applications for the new Primary Group research (Leadership research center / Basic research laboratory)</li> </ul>
February 2020	<ul style="list-style-type: none"> <li>• (First half) Reception of the applications for the new Secondary Individual research (General research)</li> </ul>
March 2020	<ul style="list-style-type: none"> <li>• (First half) Commencement of the Primary Individual research (Middle Career type1,2 / Young / Bridging / First Life Research)</li> </ul>
May 2020	<ul style="list-style-type: none"> <li>• (Second half) Reception of the applications for the new tertiary Individual research (Middle Career type1 / Bridging / First Life Research) (Scheduled)</li> </ul>
June 2020	<ul style="list-style-type: none"> <li>• (First half) Commencement of the new Primary Individual research (Leader research) (Scheduled)</li> <li>• (First half) Commencement of the new Primary Group research (Leadership research center, Basic research laboratory) (Scheduled)</li> <li>• (First half) Commencement of the new Secondary Individual research (General research) (Scheduled)</li> </ul>
September 2020	<ul style="list-style-type: none"> <li>• (second half) Individual Research tertiary (Middle Career type1/bridging/first life research) research start (expected)</li> </ul>

※ The timeline above is subject to change.

## 8. Other Information

### Information on Acknowledgement

- When the outcome of the project is published in a research journal, the paper should include the acknowledgement as shown below.

▶ In Korean

이 성과는 정부(과학기술정보통신부)의 재원으로 한국연구재단의 지원을 받아 수행된 연구임(No. 한국연구재단에서 부여한 과제 관리번호).

▶ In English

This work was supported by the National Research Foundation of Korea(NRF) grant funded by the Korea government(MSIT) (No. Korea Research Foundation granted project management number).

※ MSIT : Ministry of Science and ICT

※ The phrase "This work" can be replaced with the title to be published in the research journal or registered in the patent document.

### Dispatch of Principal Investigators to Domestic or Overseas Institutes

- When a principal investigator is dispatched to a domestic or overseas research institute for 6 months or longer from the commencement date of the project, a prior approval should be obtained.
  - ※ If a principal investigator is already dispatched on the commencement date of the project, an approval should be acquired from the host institute immediately.

### Mandatory Online Research Ethics Course.

- From 2018, the principal investigator of a Basic research project should complete the online research ethics course\* after the commencement of the project. (If the principal investigator fails to complete the course, the next year's annual implementation plan cannot be submitted and accepted).
  - Designated course provider : Korea Institute of Human Resources Development in Science and Technology (KIRD, [www.kird.re.kr](http://www.kird.re.kr)).
  - Inquiries on the online course: KIRD E-learning (1588-5834).

### A Guide to the Compulsory Employment of Young People in Proportion to the Government's Contributions.

- If the main research institute is an enterprise, check the contents of 'Guidelines for the mandatory recruitment of young people in proportion to the governments contributions' in the application request.

Creating an Evaluation Culture with Korean Researchers.

○ Mandatory participation of the principal investigator in carrying out the Basic research project and reflected participation in the selection of follow-up research (Application of new research projects in 2020 and announcement of separate standard notice is expected.)

## 9. Inquiries

○ Policy-related inquiries: Science Technology Information and Communications Ministry basic research promotion center (044-202-4534, 4531)

○ Inquiries on an application for programs: NRF Advanced Research Program Team

Division		Contacts	
Excellent Research	Leader Research	Sung ku Moon, Research Fellow (042-869-6802)	
	Middle Career Research	Sang-In Kim, Researcher (042-869-6804)	
	Young Research (First innovation laboratory)	Ho-Sung Choi, Researcher (042-869-6803)	
Career Basic Research	Bridging Research	Sang-In Kim, Researcher (042-869-6804)	
	General Research	A-Yeon Kim, Researcher (042-869-6805)	
	First Life Research	Ji-Yeon Lee, Researcher (042-869-6808)	
Group Research	Leadership Research Center	SRC,ERC,RLRC	Hee-Jin Shin, Research Commissioner (042-869-6826)
		MRC	Hye Ji Heo, Research Staff Member (042-869-6823)
	Basic Research Laboratory	deepening	Hye Ji Heo, Research Staff Member (042-869-6823)
		carving out type-& breakthrough type	Seok-Min Cho, Research Fellow (042-869-6825)

Attachment : Information (program details) for new projects for the basic research program schedule for the first half of the year 2020. (only Korean provided)