Purpose of the Research

The applicant shall indicate the general nature of the research and the specific purpose of the research, after succinctly summarizing it and providing an outline at the beginning, and with the existing academic literature referred to where necessary. In particular, details shall be given clearly with a focus on the following points. [Refer to the rules concerning the screening and assessment for Grants-in-Aid for Scientific Research. (cf. Application Procedures for Grants-in-Aid for Scientific Research)]

1) Scientific background of the research (e.g., domestic and overseas trends related to the research and positioning of the research; how the applicant has reached the concept based on his or her achievements in past research work; and details of achievements of past research work where the purpose is to attain a greater level of sophistication)

 What will be elucidated and to what extent will it be Scientific characteristics, originality and expected ac 	
	* Concerning the Purpose of the Research Project, the applicant should succinctly summarize
and describe in detail.	

Grant-in-Aid for Young Scientists B - 2 Purpose of the Research (continued)

Research Plan and Methods

The applicant should provide details of the research plan and the methods for achieving the objectives of the research, after succinctly summarizing it and providing an outline at the beginning. The plan should be divided into one for FY2016 and one for from FY2017 on. The literature should be referred to as needed. The plan and methods should indicate achievements through a discussion from multiple aspects, such as the action in the event that the research does not progress as originally planned. In addition, the following points should be highlighted.

- 1) Specific devices for implementing the research (such as ideas for effectively advancing the research and the assistance of Research Collaborators for effectively advancing the research)
- 2) Where the research is being implemented by a research team, the specific roles (using figures, tables and other visual aids) of the Principal Investigator, and if necessary, the Research Collaborators [overseas co-researchers, company-employed researchers not eligible to apply for KAKENHI, other persons offering research support, such as technical experts and intellectual property specialists, graduate students and others (names and number of members may be stated)]
- 3) If the Principal Investigator is employed in conducting other research work or if the Principal Investigator has other research work that is not an occupational task, connection with and differences from the present research

	m the present research nalfway through the research period, due to personnel changes, retirements, etc., the e implementation of the research is secured, research implementation methods, etc.
Research Plan and Method (Outline)	* Concerning the Research Plan and Method to accomplish the Purpose of the Research,
the applicant should succinctly summarize and describe in detail.	

Grant-in-Aid for Young Scientists B - 4 Research Plan and Methods (continued)

Research Achievements

The applicant should fill in the important **research papers/articles**, **books**, **industrial property rights and invited lectures** the Principal Investigator presented up to the present relating to the research in the sequence of publication from new to old with serial numbers assigned. Lines should be drawn between groups of research papers and others published in the same calendar year to separate them. (<u>The lines can be moved</u>.) Forthcoming research papers/articles in academic journals may be included, only if they have been accepted for publication.

Moreover, enter research achievements focusing primarily on achievements from 2011 onward. It is also acceptable to enter research paper or other achievement (up to ten items), which are closely related to the current research, or which are key ones that you published up to the present, even if they were published before 2011.

- 1) For published research papers/articles, state the title, the names of authors, name of the journal, referee reading (or not), volume, page numbers of the initial and final pages and the year of publication.
- 2) The abovementioned sequence of such items is not compulsory as long as all of the items are included. If there are many authors, only include several authors omitting others (if any authors' names are omitted, state the number of the authors and the order on the author list for the related researchers). The Principal Investigator should be marked with an underline.

the related researchers). The Principal Investigator should be marked with an underline.				
2015 onward				
2014				
2014				
2013				

je do na	
Research Achievements (continued)	
2012	
2012	
2011	
2011	
before 2010	

Grant-in-Aid for Young Scientists B - 7
Connection between the Research Plan and the Research Project which received a
Research Progress Assessment
• If the Principal Investigator of the current application received a research progress assessment in FY2014 or in FY2015, as a Principal Investigator of "Specially Promoted Research", "Scientific Research (S)" or "Grant-in-Aid for Young Scientists (S)", he or she should describe it in this section.
• The researcher should describe the connection between the research plan and the research project which received a research progress assessment in this section (e.g. what kind of connection is there, how the researcher will advance the research which received a research progress assessment in concrete terms, etc.).

<u>-</u>	search Plan and Methods to Disseminate the Research
Results to Society and Citizens	
The following points should be highlighted and stated	in a concrete and clear manner. as research facilities, equipment and materials that are used for the implementation of the
research	is research facilities, equipment and materials that are used for the implementation of the
	s needed, such as coordination and contact with Research Collaborators, if applicable
3) How the research achievements are disseminated t	
Brief Background Description of I	Research of the Applicant
State the background history of research in the sequen	nce from new to old, starting from the graduation of the final education. Clearly indicate
	nce from new to old, starting from the graduation of the final education. Clearly indicate
State the background history of research in the sequen	nce from new to old, starting from the graduation of the final education. Clearly indicate
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Protection of Human Rights and Compliance with Laws	and	Regulat	ions (of Appl	ication
•	ana	Itegulai	AOIIS (CI. Appi	ication
Procedures for Grants-in-Aid for Scientific Research)				
Describe the measures and actions that you will take if your research involves compliance with	the relat	ed laws and	regulations (e.g. re	esearch
requiring the consent and the cooperation of the other party, research requiring consideration			-	
			_	
research requiring efforts regarding bioethics and safety measures when implementing the rese	arch pla	n). This app	olies to surveys, re	search,
experiments which require an approval procedure in an ethics committee inside and outside	the resea	arch instituti	ion, such as for e	xample
questionnaire surveys and interview surveys in which personal information is involved, the us				
	_	_		or the
human genome, recombinant DNA experiments, experiments on animals, etc. Please indicate whe	re this is	not applicab	oie.	
D-4'				
Rationality and Justification of the Research Costs				
readily and sustained of the research costs				
· ·	costs to	be stated or	n the following pa	ige and
The applicant should fill in the rationality, necessity and grounds for calculating the research				-
The applicant should fill in the rationality, necessity and grounds for calculating the research thereafter, based on the scale and organization of the research given in <i>Research Plan and Me</i>	thods. I	ndicate the r	necessity of the co	st (e.g.
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(Unit: thousands of yen)

Statement of Costs for Equipment			Statement of Costs for Consumables		
See Proc	cedures for Preparing and Entering a Proposal for Gra	unt-in-Aid for	See Procedures for Preparing and Entering		
"Grant-ir	n-Aid for Young Scientists (B)"	int-in-Aid 101	Grant-in-Aid for "Grant-in-Aid for Young Scie		
J. unit II			State of Total Services	····· (2)	
EX	Item and Specifications	Amount	Itama	Amount	
FY	(Unit price × qty) (Institution where	(¥)	Item	(¥)	
	equipment is to be installed)	. ,		` /	
2016					

Υ			Overseas T Expense		Personnel Exp	enditure eration	Miscellaneous	
-	Item	Amount	Item	Amount	Item	Amount	Item	Amour
16								

Application for Research Funding, Current State of Funding and Effort

Since examiners will refer to the information stated here in the second screening (collegial screening) when they discuss whether a research project will be able to be sufficiently implemented without causing unreasonable duplication or excessive concentration of research funding. It is necessary that the applicant correctly states the budget for the proposed research project that he or she receives and uses. The applicant should take into consideration the following points and enter (1) the research funding applied for, (2) the research funding to be provided and (3) other activities at the time of application by the Principal Investigator. Distinguish between sources of research funding by drawing a line, if there is more than one. For the exact method for filling in the necessary data, the applicant should verify the Procedures for Preparing and Entering a Proposal for Grant-in-Aid for "Grant-in-Aid for Young Scientists (B)".

- 1) Fill in Effort with a percentage of time allocation (%) necessary for the implementation of the research where the entire yearly working time is set at 100%.
- 2) State the title of the research project at the beginning of Research Funding Applied for.
- 3) In the case of a KAKENHI for "Scientific Research on Innovative Areas (Research in a proposed research area)", the applicant should state whether it is "planned research" or "invited research".

Include research funding	g to be competitively provided	by the research ir	nstitution to which	ch the re	searcher belongs.
(1) Research Funding	g Applied for				
Funding system and name of the research funding (research period and name of the funding organization	Title of the research project (name of the Principal Investigator)	Role (Principal Investigator or Co-Investigator (kenkyu-buntans ha))	Budget for FY2016 (throughout the period) (Unit: Thousands of yen)	Effort (%)	Differences in details of research and reasons for additional application for a grant for the current research project (In the case of a Principal Investigator of a KAKENHI, the amount to receive for the whole research period)
Research project for which a grant is applied Grant-in-Aid for Young Scientists (B) (2016)		Principal Investigator	()		(total budget in thousands of yen)
(2016)					

Application for Research Funding, Current State of Funding and Effort (continued)						
(2) Research Funding	z to be Provided					
Funding system and name of	Title of the research project	Role (Principal	Budget for	Effort	Differences in details of research and	
the research funding (research	(name of the Principal	Investigator or	FY2016	(%)	reasons for additional application for a grant	
period and name of the funding		Co-Investigator	(throughout	(/0)	for the current research project	
organization	in vestigator)	(kenkyu-buntans ha))	the period) (Unit:		(In the case of a Principal Investigator of a	
organization		na))	Thousands of		KAKENHI, the amount to receive for the	
			yen)		whole research period)	
(3) Other Activities						
	earch and educational activit	ies that are carrie	d out as other			
Total	work than the aforesaid research activities under application or to be funded. Total					
), (2) and (3) above			100 (%)		
Total of the effort in (1), (2) and (3) above				(/0/		