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| **Summary of the KAKENHI project for this application**  In this column, a summary of research objectives of the KAKENHI project on which this application is based should be described. Details should be described in page 4. |
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| **The analysis requested**  In this column, the list of analysis that you request in this application should be described. The category of the analysis should be indicated; 1) de novo genome sequencing, 2) variation analysis by re-sequencing, 3) epigenome analysis, 4) RNA analysis, 5) metagenome analysis, 6) high sensitivity analysis, 7) data analysis only, and then details of the analysis should follow. The description should contain relevant information e.g., preferred sequencing platform, genome size of the target organisms, sample number, sequencing coverage and so on. The description should be quantitative together with the reasons why the amount of analysis and methods are necessary. Note that the analysis should be finished by the end of FY2018. |
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| **Reasons for application to PAGS support**  In this column, the following 6 items should be described within 2 pages | | |
| 1) Why is the requested analysis necessary to your KAKENHI project?  2) What outcome is expected by receiving the PAGS support? What plan and research team are prepared toward the outcome?  3) What is the reason why you need the PAGS support but not commercial services.  4) What is the novelty of the requested analysis and its outcome in genome science? What is the positioning of this application in the relevant field?  5) Will be the samples for analysis available soon or at last by the end of December? What is the plan to utilize the results of the analysis?  6) In the case that you were selected for the PAGS support in the past, when and what was the analysis provided by the PAGS support? What was the outcome? | | |
| **Reasons for application to PAGS support (continued)** |
| **Issues relevant to human-derived samples**  In this column, in the case that the requested analysis contains human-derived samples, the applicant should indicate whether the usage of the samples need the approval by the IRB, and describe the relevant information. |
| (　 ) The approval by IRB is necessary. => Necessary documents should be attached, referring the check sheet. \*1)  ( 　) The approval by IRB is not necessary. => The reason and the sample information should be described. |
| **Issues relevant to foreign country derived samples**  In this column, the applicant should provide the sample information and indicate whether the samples are derived from countries other than Japan and whether the samples are subjected to the legislation based on the Convention of Biological Diversity and the Nagoya Protocol. |
| (　 ) The samples are not derived from countries other than Japan. => No action is necessary.  (　 ) The samples are derived from countries other than Japan, and they have been obtained by a proper procedure. => Procedure of acquisition and the sample information should be described.  (　 ) The samples are derived from countries other than Japan, but they are not subjected to any regulations. => The reason for exemption and the sample information should be described.  (　 ) Don't know. => The sample information should be described.  Sample information (organisms, type of sample, derived country, means of acquisition, etc.) |

\*1) The check sheet can be downloaded at the PGAS web site (currently in Japanese only).

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| **Research Objectives of the KAKENHI project for this application**  　In this column details of research objectives of the KAKENHI project on which this application is based should be described on the following 3 points within 2 pages. |
| (1) Scientific background for the proposed research, and the “key scientific question” comprising the core of the research plan,  (2) The purpose, scientific significance, and originality of the research project,  (3) What will be elucidated, and to what extent and how will it be pursued during the research period? |
| **Research Objectives of the KAKENHI project for this application (continued)** |

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| **Research Achievements**  Key publications relevant to this application should be described within a page. |
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