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| **Project Title** |  | |
| **Principal Investigator** | Name: | Affiliation: |
| Email: | Phone: |

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| **1. Abstract**    **2. Significance and Objectives**    **3. Research Plan and Methods**    **4. Expected Results**    **5. Necessity to Use Fugaku**    **6. Proposed Use of Computational Resources**   |  |  |  | | --- | --- | --- | | Application program | Max. nodes required | Previous run (input data, platform, etc.) | |  | nodes |  | |  | nodes |  |     **7. Key Personnel**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Name | Affiliation | Field of expertise | Plan to use Fugaku?  (Yes/No) | Role in the project, experience | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |

【Instructions and Example】

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| **1. Abstract**  Provide a brief description of the project.  **2. Significance and Specific Aims**  Describe the long-term goal of your research, significance of the proposed project on the novel coronavirus in achieving the goal, and specific aims of the proposed project.  **3. Research Plan and Methods**  Describe specific research plans and methods. For each application program, describe computational methods to be used (computational model, analysis method, parallelization method, etc.) what will be achieved.    **4. Expected Results**  Describe expected results and how they would contribute to the fight against the novel coronavirus.  **5. Necessity to Use Fugaku**  Describe computational requirements and expected outcomes that can be achieved only by Fugaku.  **6. Proposed Use of Computational Resources**   |  |  |  | | --- | --- | --- | | Application program 1) | Max. nodes required2) | Previous use (input data, platform, etc.)3) | | Molecular dynamics application program xxx, ver. xxx | xxx nodes | Data from xxx have been used to run on max. xxx nodes on xxx system. | | Quantum chemistry application program xxx, ver. xxx | xxx nodes | Data from xxx have been used to run on max. xxx nodes on xxx system. |   1) Name and version of the application program to be used  2) Maximum number of nodes planned for use  3) Input data, HPC platform, number of nodes, and application performance in previously use of the application program.    **7. Key Personnel**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Name | Affiliation | Field of expertise | Plan to use Fugaku?  (Yes/No) | Role in the project, experience | | Researcher A | E University | Molecular biology | Yes | Principal investigator, responsible for project design, data validation and analysis | | Researcher B | F University | Immunology, bioinformatics | Yes | Coinvestigator (project contact), responsible for preparation of input data, running the job, data analysis | | External Advisor C | G Company | HPC | Yes | Will assist in porting  application program and  running the job.  Has X years of experience in  YY. |   Provide information about the key personnel who will perform the proposed project, including the affiliation, field of expertise, whether planning to use Fugaku, role in the project, experience, etc.  Note that, in general, anonymous participants are not permitted. If participants need to remain anonymous due to exceptional circumstances, provide the reason (for example, a new person is scheduled to arrive after staff transfer; the work will be outsourced to a software vendor, etc.). |