**Proposal Application Template**

**[General Proposals]**

**[PAGE 1: Basic Information]**

１. Term（required）\*Please select ‘20\*\*A (or 20\*\*B)’.

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２．Title of Experiment (required) (70 word limit)

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3．Beamline / Equipment

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|  | Beamline | Equipment |
| 1st Choice  (required) |  |  |
| 2nd Choice |  |  |
| 3rd Choice |  |  |

4．Research Area

• Research Area (Select from the "Table of Research Areas")

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| --- | --- | --- |
| Group  (required) | Subgroup2  (required) | Comment for Other |
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• Research Area Keywords (30 words limit)

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5．Number of Shifts Requested (required) (Explain how you estimated the number of requested shifts in the space provided for #12: How you calculated the overall beamtime requested.)

\* The beamtime is generally allocated in increments of three shifts.

\_\_\_\_ shift(s) x \_\_\_\_ run(s) + \_\_\_\_ shift(s) x \_\_\_\_ run(s) + \_\_\_\_ shift(s) x \_\_\_\_ run(s)

**[PAGE 2: Project Team Members]**

6．Project Team Members: User Number, Name, and Affiliation

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Project team members as well as project leaders are required to complete user registration in advance. If your team members have chosen "Do not allow" for their account settings in the User Registration page, their user numbers are not displayed in search results and you cannot find them; therefore, all users are strongly encouraged to choose "Allow." If necessary, please ask your team members to change their account settings (Log in to My Page > “Edit My Details” link in the top right-hand corner). The account settings can be changed even after proposals are approved for beamtime.

**[PAGE 3: Known Safety Hazards & Measures to Be Taken]**

7．Known Safety Hazards & Measures to Be Taken

7-1　 Does your proposed research involve any of the following?\*1〜5

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| ( ) None | ( ) High pressure gas cylinder from the outside of NanoTerasu |
| ( ) Radioisotope |
| ( ) Radiation generator: installation, modification, change of purpose or specifications |
| ( ) Internationally controlled materials (nuclear source/fuel materials) |
| ( ) Installation of devices/equipment regulated by law |
| ( ) Chemicals regulated by law |
| ( ) Invasive alien species |
| ( ) Specified risk materials (SRM) from cattle |
| ( ) Prohibited imports regulated by the "Plant Protection Act" |
| ( ) Recombinant DNA |
| ( ) Human materials |
| ( ) High-energy laser system from the outside of NanoTerasu |
| ( ) live animals (mammals, birds, or reptiles) |
| ( ) specific biological samples/biohazards (agents of biological origin that have the capacity to cause ill-effects in other organisms) |

1. If yes, you will be required to submit additional forms with your proposal application.
2. High-pressure gas manufacturing plant Local ventilation/gas supply and exhaust system Crane.
3. Chemicals regulated by law:

- Specific substances regulated by the "Act on the Prohibition of Chemical Weapons and Control of Specific Chemicals"

- Specified poisonous substances regulated by the "Poisonous and Deleterious Substances Control Law"

- Substances for which manufacturing is prohibited, asbestos, etc. under the "Industrial Safety and Health Law"

- Narcotics, stimulant drugs, hemp (gum), opium, and their raw materials, psychotropic drugs, and no dangerous substances of 1/5 or more in quantity specified by the "Fire Service Act"

1. Class 4, Class 3B and Class 3R lasers specified by IEC 60825-1 standard.
2. pathogenic microbes (incl. infectious nucleic acids, plasmids, prions), parasites, and the toxic substances, carcinogens, and allergens produced by them that can cause harm to humans, livestock, and farm/marine products.

7-2　What NanoTerasu equipment would you like to use? (90 word limit)

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7-3　Details of samples (required)

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of Substance\*6 | State/ Figure\*7 | Qty. & Unit (SI)\*8 | Hazards\*9 | Purpose of Use\*10 | Containment measure and disposal method | Prevention of Hazards | Risk Level\*11 | Remarks |
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1. Use general names, structural formulas, or compositions and do not use abbreviations or acronyms.
2. Capillary (powder), cylinder (gas), plate (crystal), metal foil, tablet, bulk, etc.
3. SI Unit.
4. Poison, deadly poison, organic solvent, selected chemicals, dangerous goods, etc.
5. Sample, for measurement, for cleanser, for coolant, for tranquilizer, etc.
6. Risk assessment result. Choose “N/A” for chemical substances which are exempted from the regulation.

7-4　Equipment that you will bring to NanoTerasu

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| Equipment | Specifications\*12 | Safety measures |
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\*12 Voltage, ampere, pressure, temperature, etc.

**[PAGE 4: Abstract]**

8．Describe the significance, purpose, features and expected results of the proposed research,

including the reason why you need NanoTerasu for the research.

[Urgent] Describe the significance and give the reasons why you need NanoTerasu for your research and why it is urgent for you to carry out an experiment.

(required) (1,200 words limit)

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| Please provide an outline of this proposal in 200 words or less at the beginning, followed by a specific description of this research's academic background and objectives, academic originality, and other appealing points. |

9．Provide the progress made regarding the proposed research, if any, and your previous experience with similar experiments. (270 words limit)

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**[PAGE 5: Experimental Details]**

10．Experimental details (sketch of setup, measurement method, detector, concentration of samples, etc.)(required) (1,350 words limit)

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11．Reasons for your choice of beamline. (required) (140 words limit)

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12．Energy/wavelength or Operating conditions required. (required) (135 words limit)

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13．How you calculated the overall beamtime requested. (required) (900 word limit)

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**[PAGE 6: Publication]**

14．List the project leader's publication(s) associated with the proposed research up to three (Place an asterisk next to the publications resulting from research at NanoTerasu.) and describe each within 50 - 290 words. (900 words limit)

Publication (1) required

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| Refereed journals related to the proposal can be copied into the field from the "List of Refereed Publications Related to You."  (ORCID iD)  ORCID iD will be used to understand the project leader’s past research activities which is not directly related to the proposed research. If the project leader’s ORCID iD is available, please register it at Account Information. |

Publication (2)

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Publication (3)

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**[PAGE 7: Attachments]**

16．File Upload (up to 3 files). Acceptable file formats are JPEG (.jpg/.jpeg), GIF(.gif), PNG (.png) only.

Do not upload files without file extensions. Each image should be no larger than 1MB in file size.