**Proposal Application Template**

**[Partner User Application/Partner User Proposal]**

**This Partner User (proposal) application template can be used to draft your application details and then copy and paste them into the online application.**

**[PAGE 1: Basic Information]**

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

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2. Research Area, Research Method

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

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| Group  (required) | Subgroup  (required) | Keywords (30 word limit) |
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• Research Method (Select from the "Table of Research Methods.")

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| Group  (required) | Subgroup  (required) | Keywords (30 word limit) |
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3. Beamline/hutch to be used (required)

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4. Number of Shifts Requested (required)

Provide the desired number of 8-hour shifts necessary for the conduct of your PU proposal for the forthcoming half-year research term.

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

5. Operation Mode: ( ) any

( ) Equal interval mode (A-, B- or C-mode, not specifically)

( ) Specific mode required (Number in order of preference below.)

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| Mode (in order of preference: A, B, C, D, E, F, G, H)\* | 1 | 2 | 3 | 4 | 5 | Other: |
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\*The D- and E-modes are operated in research terms A only, while the F- and G-modes are operated in research terms B only.

(Please refer to the following link for the details: <https://user.spring8.or.jp/?p=15836&lang=en>)

6. Unacceptable Dates (50 word limit)

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\*Please note that we may not be able to fulfill your request. Also note that multiple unacceptable dates will make it difficult for you to receive beamtime.

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

7. Project Team Members: User Card Number, Name, and Affiliation (required)

Register the PU group members. The PU group members are defined as

- those who conduct PU proposal and provide support for users in cooperation with BL staffs,

- those who have a thorough knowledge of measurement techniques of the beamline, and

- those who are expected to contribute to developing academic fields of SR science and technology.

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All members are required to complete user registration in advance. If your PU group members have chosen "Do not allow" for their account settings in the User Registration page, their user card 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 PU group 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]**

8. Known Safety Hazards & Measures to Be Taken

8-1 Does your proposed research involve any of the following? \*1〜5

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| ( ) N/A |
| ( ) High pressure gas cylinder from the outside of SPring-8/SACLA |
| ( ) 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 SPring-8/SACLA |
| ( ) 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.

8-2 What SPring-8 equipment would you like to use? (90 word limit)

If you wish to use the laser system installed in SPring-8, enter “SPring-8 Laser System.”

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8-3 Details of samples (Including substances prepared by SPring-8/SACLA as well as carrey-in samples)

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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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\*6 Avoid abbreviations.

\*7 Capillary (powder), Cylinder (gas), Plate (crystal), metal foil, tablet, bulk, etc.

\*8 SI Unit.

\*9 Categorize the hazard of your sample as Poisonous Substances, Deleterious Substances, Specified Chemical Substances, Organic Solvents, Flammable/Explosive Substances, etc. These categories are based on Japanese legal regulations. You can refer the category and properties of your sample via links described in Section “Procedures to be followed in advance by principal investigators” in the following page.

([http://www.spring8.or.jp/en/users/safety/form\_procedure/chemistry-a-2](http://www.spring8.or.jp/en/users/safety/form_procedure/chemistry#a-2))

\*10 Measurement sample, Cleanser, Coolant, Tranquillizer, etc.

\*11 Risk assessment result. For details, see the following page (<http://user.spring8.or.jp/s/risk-assessment-e>). Choose “N/A” for chemical substances which are exempt from the regulation.

8-4 Equipment that you will bring to SPring-8

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

**[PAGE 4: Abstract]**

9. PU Proposal Implementation Plan (2,250 word limit) (required)

Give full details of PU Proposal for the forthcoming half-year research period and for two-year designation period. Make sure to provide all of the following information:

1) Development/upgrade plan and PU’s role,

2) PU’s research experiment relating to the development/upgrade, and

3) Expected spreading effects (or goals) by 1) and 2).

As for the details of beamline facilities development/upgrade programs, please contact beamline scientists individually and discuss well in advance.

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10. Provide the progress made regarding the proposed research, the relationship with the proposal(s) approved in the past and with another proposal(s) being applied, if any, and your previous experience with similar experiments. (270 word limit)

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**[PAGE 5: Experimental Details]**

11. Experimental details (sketch of setup, measurement method, detector, concentration of samples, etc.). (1,350 word limit) (required except the case of “Continuation”)

Please provide details of experimental method of the PU proposal for the forth-coming half-year research term (half-year).

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12. Your previous experience with the beamline and your level of expertise on measurement techniques, which is one of the eligibility requirements. (140 word limit) (required except the case of “Continuation”)

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13. Energy/wavelength (required for XAFS experiments only except the case of “Continuation”).

(50 word limit)

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14. How you calculated the shifts requested for the forthcoming half-year research term. (900 word limit) (required)

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15. Support for users (900 word limit) (required)

Please describe details of your plans to provide help and support to the users using upgraded beamline facilities on preparation procedures, measurement techniques and data analyses.

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**[PAGE 6: Publication]**

17. List the project leader's publication(s) associated with the proposed research (Place an asterisk next to the publications resulting from research at SPring-8.) and describe each publication briefly. (required) (2,250 word limit)

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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." |

**[PAGE 7: Attachments]**

18. 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.

