



Call for Proposals of Materials and Life Science Researches at RIKEN Nishina Center (No. 22)

March 22, 2022

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This is the call for proposals of the experiments on materials and life science studies which can be carried out at the RI Beam Factory (RIBF) and at the RIKEN muon facility at Rutherford-Appleton Laboratory (RIKEN-RAL) in UK, of RIKEN Nishina Center for Accelerator-Based Science (RNC).

The Program Advisory Committee for Materials and Life Experiments (ML-PAC) is being organized for the evaluation of research proposals in the fields of atomic physics, materials science, chemistry, biology, and medical researches — either new proposals or continuation ones for on-going experiments — at RNC-RIBF and RIKEN-RAL.

General instructions for applicants are as follows:

- (1) We call for proposals of
 1. Experiments at the RIBF and RAL accelerator facilities,
 2. Beam time request for the development of experimental equipment, and
 3. Construction of large-size instrumentation whose feasibility study has been completed.

Our facilities can be used only for nonmilitary purposes.

- (2) Submission of proposals,

For RNC-RIBF:

Proposals must be written in English and contain a cover sheet that can be downloaded from the web site: <https://www.nishina.riken.jp/RIBF/ML-PAC/index.html>.

You may add free-format detailed information on the proposed experiments. You should specify a contact person, if any, who is a full-time worker at RIKEN and can be a liaison between you and RNC about your proposal.

Proposals must be submitted electronically via the following uploader:

<https://riken-share.ent.box.com/f/bf27b6c455684951a9c7a921e8fdf8cc> by April 20, 2022.

For clarity, the filename of each uploaded file should include the name of the spokesperson concerned. After you complete uploading, it is highly recommended to send a notification message by e-mail to ML-PAC Secretariat (mlpac-support@riken.jp). If the above uploader does not work, you might send your files as e-mail attachments to 22nd_ML.ceg7g5tjdelg0wjx@u.box.com instead.

For RIKEN-RAL:

Proposals should be submitted via **the RAL/ISIS system** by April 20, 2022. Proposals will be evaluated by the RIKEN ML-PAC.

Please visit <https://www.isis.stfc.ac.uk/Pages/Apply-for-beamtime.aspx> and select "ISIS Online Proposal System". If you are a new facility user, please apply for an account as early as possible. Once you have created your account, you can login the system; please select "RIKEN Access", then follow the instructions. The main text of the proposal is no more than two pages in length. For technical development proposals, you may be asked later to submit more detailed information.

- (3) Received proposals will be reviewed, in principle, *on the basis of the written proposal only*. When the PAC has critical questions regarding your proposal, the PAC Secretariat will contact you during the process of proposal preview.
- (4) If you are planning to use the following facilities, you are requested to get in touch with the contact persons prior to the submission of your proposal. Note that the proposals utilizing BigRIPS/SRC at RIBF should be submitted to Nuclear-Physics PAC (NP-PAC).

Facility	Contact Person
● GARIS:	Kouji Morimoto (morimoto@riken.jp)
● RIPS:	Aiko Takamine (icot@riken.jp)
● Other facilities in RNC-RIBF:	Atsushi Yoshida (ayoshida@ribf.riken.jp)
● Muon facilities in RIKEN-RAL:	Katsuhiko Ishida (ishida@riken.jp) Isao Watanabe (nabedon@riken.jp)

- (5) In principle, approved experiments are to be completed within two years. If your experiment does not finish within the period, you should submit a request for extension of time or a new proposal.
- (6) For more information on the beam lines and the experimental facilities, please visit our web site: <https://www.nishina.riken.jp/RIBF/>.

If you have any questions, please contact the following personnel:

ML-PAC Secretariat
Nishina Center for Accelerator-Based Science, RIKEN
Hirosawa 2-1, Wako, Saitama, 351-0198, JAPAN
E-mail: mlpac-support@riken.jp

Key dates **Deadline of proposal submission:** **April 20, 2022**
The 22nd ML-PAC Meeting: in May or June 2022 (TBD)