

Application Guidelines for the Global Collaborative Research Project FY2019 Brain Research Institute, Niigata University

Brain Research Institute, Niigata University was certificated as a Joint Usage / Research Center by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) in 2010. The institute's extensive collection of brain disease resource and expertise have been open to the neuroscientists' community in Japan. BRI's diverse joint research projects in neuropathology and related fields have brought out a great deal of achievement in relation to unraveling the pathological mechanism of brain disease.

From April 2016 onwards, BRI intends to enhance global partnerships as the collaborative research center for brain diseases utilizing neuropathological resources. BRI is now calling for the Global Collaborative Research Project in fiscal year 2019.

I. Research Area

- i. Neuropathological specimens of brain disease
(Examples of available resources at BRI:)
Provision, preservation, analysis and assessment on fixed samples of brain disease, on frozen tissue of brain, and on brain genome resource.
- ii. Genome analysis on brain disease
(Examples of available resources at BRI:)
Individual SNP analysis, DNA sequencing analysis, and expression analysis on brain disease-associated gene.
- iii. Production and analysis on animal resources of brain disease
(Examples of available resources at BRI:)
Production of transgenic mouse models of brain disease with C57BL/6-strain embryonic stem cell, provision of brain disease inserted animal models (mice and rats), microbiologic cleanings of mice and rats, cryopreservation of embryos and sperms, breeding of scarce cross-fertilization animals, biochemical test, and behavior analysis.
- iv. Translational research focused on the development of non-invasive imaging analysis technique
(Examples of available resources at BRI:)
Technical development of non-invasive imaging diagnostics on neurological disease and of imaging processing, and collaboration of translational research on developing treatment.
- v. Open research utilizing BRI resources

II. Available BRI Research Device and Equipment

Brain disease specimen resource, Electron microscope system, Information analysis laboratory in neuropathology, Non-invasive brain function analyzer, Gene testing facility, Gene analyzer, Biological sample preservatory, Genomic data, Animal experiment facility, Recombinant DNA laboratory, Incubation room, Special animal experiment laboratory / Embryo culture laboratory, Gene expression profiling in the brain with schizophrenia

III. Eligibility Criteria for Applicants

Researchers affiliated with universities or public research institutes worldwide are eligible to apply. BRI may accept applications from equivalent researchers under certain circumstances.

IV. Supported Period

One year (April 1, 2019 to March 31, 2020)

*The project period can be extended up to three years.

V. Application Procedure

- 1) An application and research proposal (Form1) and a copy of curriculum vitae of principal investigator (PI) should be submitted to BRI. Forms are downloadable from BRI website (<http://www.bri.niigata-u.ac.jp/en/joint/download/index.html>).
- 2) The research study involving the ethical code must conform to the ethical guidelines and regulations for genome, animal and human researches at the relevant facilities.
- 3) Regarding renewing a previous year's project, a progress report (Form2) needs to be submitted for period extension. The decision will be made through selection process.
- 4) Before submitting an application, applicants are invited to discuss their proposals (research topic, visiting schedule, necessary costs, requests and so forth) with their BRI collaborators.

VI. Submission Deadline for Application

January 3, 2019 (Late application shall not be accepted.)

All forms and related documents should be submitted via email to **noukyoudo@adm.niigata-u.ac.jp**.

*The application must be sent with the following subject line:

"Application for the Global Collaborative Research Project FY2019"

VII. Selection Process

Applications are initially sent to BRI Global Research Board for screening, followed by Joint Research Board for the final decision. We will notify each applicant of the decision in late February 2019.

VIII. Research Funding

- 1) The travel expenses will be provided up to 300,000 JPY in accordance with Niigata University Regulations. Funding is expected to cover the travel expenses for PI and co-investigators from overseas institutes to BRI.
- 2) Once the visiting schedule is fixed, the visitors need to inform BRI for a further procedure.
- 3) The reimbursement payment will be in cash on arrival at BRI except the travelers have bank accounts in Japan.
- 4) Applicants are required to obtain prior approval from their superiors for the travel to BRI.

IX. Reporting

PI is required to submit a project report (Form3) by April 30, 2020. Upon PI's agreement, the submitted report will be printed for publication as an annual report and posted on the BRI website. When an agreement on public disclosure cannot be obtained from PI, only basic information of the project (title and PI's details [name, title and affiliation]) would appear in the list.

X. Intellectual Property

Prior to making an application, the intellectual property in the inventions jointly created by researchers in the course of the Global Collaborative Research will be discussed separately (includes a potential joint application agreement) reflecting the respective contributions of researchers and their institutes.

XI. Publications

- 1) Publication resulting from the research must include an acknowledgement of the Global Collaborative Research Project of BRI. See following example:

"This study was supported by the Global Collaborative Research Project [2019-(Project Number)] of Brain Research Institute, Niigata University."

- 2) A copy of the publication needs to be submitted as PDF file.

XII. Contacts

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