

Exploratory research using aged C57BL/6J mice provided by
the Institute of Development, Aging and Cancer (IDAC), TOHOKU UNIVERSITY

As part of IDAC's 2019 International Joint Usage and Collaborative Research Program, we would like to propose conducting research using aged C57BL/6J mice. At our institute's Animal Experiment Facility, the following will be provided: a set of 27-30 months and 4-5 months old C57BL/6J background wild-type male mice with 1 animal per cage.

Examples of experimental usage:

1. To attain comprehensive data such as transcriptome, epigenome, proteome and metabolome using plasma, tissues and organs and specific cell lineages.
2. Physiological functional tests such as motor function, behavior, stimulus response and metabolic control ability.
3. Cell biology experiment using flow cytometry.

We welcome proposals to evaluate age-related changes of normal mice in highly original experimental systems.

Details and timeframe of availability:

Date of availability	Age	Quantity of Animals
May, 2019	27 months old mouse	(maximum of up to 5)
	4 months old mouse	(maximum of up to 5)
August, 2019	30 months old mouse	(maximum of up to 4)
	4 months old mouse	(maximum of up to 5)
November, 2019	24 months old mouse	(maximum of up to 5)
	4 months old mouse	(maximum of up to 5)
February, 2020	27 months old mouse	(maximum of up to 5)
	4 months old mouse	(maximum of up to 5)

Both old and young groups of mice will be sent to the facility of choice as designated by the researcher. However, in order for the mice to be accessible by as many researchers as possible, and depending on the contents of the experiment, it is recommended that researchers visit IDAC to conduct experiments and samplings so that several researchers can share the same mouse.

Mice are provided free-of-charge; however, shipping costs (if applicable) are to be shouldered by the recipient. For researchers interested in coming to IDAC to perform experiments and samplings, essential travel and accommodation expenses will be provided by our institute.

In the case that the number of applicants exceed the availability of mice, IDAC's International Joint Research Center will conduct reviews to select suitable research proposals.

In addition to providing the mice, please take into consideration the following:

1) Results obtained from using IDAC's aged C57BL/6J mice will be presented in collaboration with the appropriate researchers from IDAC when publishing papers, presentations and so forth.

2) Comprehensive data obtained using IDAC's aged C57BL/6J mice such as transcriptome, epigenome, proteome, metabolome and so forth, both raw data and processed data, will need to be added into IDAC's Aging Mouse Database. Until the paper is formally published, data and analysis will only be shared within IDAC and will only be made public after its dissertation presentation or publication.

1. Eligibility for Application

Faculty members, researchers and graduate students who belong to a university or public research institute.

2. How to Submit the Application

Download the Research Proposal Form from the IDAC website.

(http://www.idac.tohoku.ac.jp/site_ja/)

(1) Research Proposal Form

3. Deadline for Submission

Use for May 2019	• • •	Deadline for April 26, 2019
Use for August 2019	• • •	Deadline for July 19, 2019
Use for November 2019	• • •	Deadline for October 18, 2019
Use for February 2020	• • •	Deadline for January 17, 2020

4. Address for Submission

Section for Joint Research Program
4-1 Seiryō-machi, Aoba-ku, Sendai 980-8575, Japan
Institute of Development, Aging and Cancer
Email : ida-sen@grp.tohoku.ac.jp

5. Decision of Adoption or Rejection

Applicants will be notified of the screening panel's decision

6. Intellectual Property Right

Regulations of Tohoku University collaborative research are applied for intellectual property rights as a result of the joint research program.

7. Accidents and Emergency

If you came to the university by experiment, sampling, etc., please conduct the experiment under the supervision of the corresponding faculty member of the Institute of Aging Medicine.