

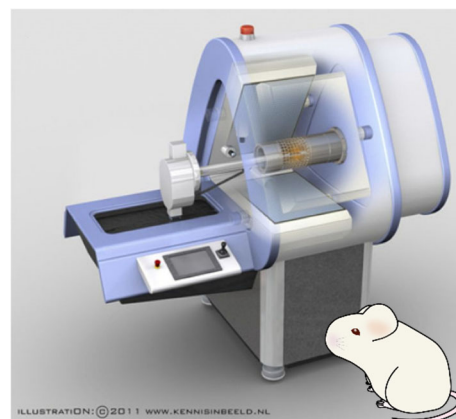
# Biotechnology Training Course in 2024

## Basic Technology Course for RI Applications

In recent life science research, molecular imaging research to visualize and analyze molecular functions from micro to macro levels has been progressing, and it is expected to become especially important to analyze biomolecular functions in various animal models of diseases. Therefore, we will hold a training course to acquire basic techniques of RI experiments and animal experiments commonly used in molecular imaging research, as well as techniques to analyze biological functions in mice using a SPECT/CT system for small animals (VECTor+/CT, MILabs, Inc.).

This is a good opportunity to learn animal experiment techniques using in vivo animal imaging systems, not only for those who are using RI but also for those who are not currently using RI.

This course is also offered as a **“Seminar in Basic Education” (8 sessions)** of the doctoral course at the Graduate School of Medicine.



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- Date: Tuesday, November 12, 2024, 9:00 a.m. ~ Wednesday, November 13, 2024, 5:00 p.m.  
(In principle, participants are expected to attend all the sessions.)
- Candidates: Kanazawa University faculty, graduate and undergraduate students, etc.
- Contents: Learn the basics of in vivo animal experiments using RI.
  1. Lectures on basic knowledge and techniques of RI experiments including animal experiments and information on in vivo imaging research
  2. Imaging with a small-animal SPECT/CT system, data reconstruction, image analysis using free software, experiments on distribution in mice, radioactivity measurement, and data analysis of [<sup>18</sup>F]FDG-treated mice.
- Location: Central Institute of Radioisotope Science, Kanazawa University
- Number of applicants: 6 persons
- Participation fee: Free (Researchers outside the university are responsible for actual expenses.)
- Application Method: Please fill out the application form (enclosed) and send it by **Email**.
  - ※ Email Address: [k-ric@med.kanazawa-u.ac.jp](mailto:k-ric@med.kanazawa-u.ac.jp) (Bioengineering Training Course Instructors)
  - Email Subject: Application for Biotechnology Training Course
- Deadline for application: Thursday, October 31, 2024, 5:00 p.m.
- We will notify you by Wednesday, November 6 if your application has been accepted or not.

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