

2024 Guidelines for Collaboration with Research Center for Biomedical Engineering

The Research Center for Biomedical Engineering (RCBE) has been established through collaboration between four prominent research institutes, Institute of Biomaterials and Bioengineering of Tokyo Medical and Dental University, Laboratory for Future Interdisciplinary Research of Science and Technology of Tokyo Institute of Technology, Research Institute for Nanodevices of Hiroshima University, and Research Institute of Electronics of Shizuoka University. The RCBE aims to integrate their unique strengths and technologies. We invite applications for joint research with RCBE in the following areas.

1. Research Areas for Application

- (1) Basic and applied research on biomaterials
- (2) Basic and applied research on bioengineering
- (3) Basic and applied research on bio-functional molecule
- (4) Applied research in chemistry, electricity, machinery, and materials engineering for above fields

Table 1. Types of Application

Types	Definition of type	Maximum budget	Number of adoption (only as a guide)
Global A	<ul style="list-style-type: none">▪ Including institute(s) located in outside Japan▪ Number of all institutes is 3 or more	600,000 yen	About 20 themes
Global B	<ul style="list-style-type: none">▪ Including institute located in outside Japan▪ Number of all institutes is 2	300,000 yen	About 20 themes
Domestic A	<ul style="list-style-type: none">▪ NOT including institute located in outside Japan▪ Number of all institutes is 3 or more	200,000 yen	Determined by application status
Domestic B	<ul style="list-style-type: none">▪ NOT including institute located in outside Japan▪ Number of all institutes is 2	150,000 yen	Determined by application status

2. Qualified Applicant

- (1) As of April 1, 2024, researcher at universities, research institutes, companies, or equivalents.
- (2) Researcher(s) belonging to RCBE must be included in your research team. Please specify the name of the researcher(s) in the “Applicant Organization” of 2024 Application Form.
- (3) In principal, only one application is accepted per research representative. If one research representative applies for two or more projects, clearly indicate differences in research theme, organization, etc., in the application form.

3. Research Period

From April 1, 2024 to March 31, 2025

4. Application Process

- (1) Discuss themes, members, and other matters with RCBE researchers before application.
- (2) Refer to the RCBE homepage (https://www.tmd.ac.jp/ibbc/index_e.html) for information on staffs, facilities, research outline, etc.
- (3) Send 2024 application form (both Word and pdf) to the respective RCBE secretariat.

【E-mail for submission】

Tokyo Medical and Dental University: rcbio.adm@tmd.ac.jp

Tokyo Institute of Technology: rcbio_adm@first.iir.titech.ac.jp

Shizuoka University: rie-rcbe-adm@adb.shizuoka.ac.jp

Hiroshima University: rcbio-adm@hiroshima-u.ac.jp

5. Required Budget

- (1) Support will be provided within the maximum budget of each type.
- (2) Budgets are determined by each RCBE institute.
- (3) Use of expenses is limited to those related to the proposed joint research.

6. Deadline for Submissions

January 31, 2024 (Wednesday) (Strict deadline)

7. Selection and Acceptance/Rejection Notification

Adoptions are judged by RCBE steering committee. The result will be notified after April 2024.

8. Submission of Implementation Report

Accepted applicants should submit a joint research implementation report after completing research. Details about the report format and submission deadline will be provided separately.

9. Other Considerations

- (1) For research involving animal experiments, human samples, human gene analysis, gene recombination experiments, etc., bioethics and safety measurements may be required.
- (2) Intellectual property rights will follow the standards of each research institute.
- (3) Contact the secretariat for details on using RCBE facilities/equipment.
- (4) When presenting RCBE results, acknowledge support with: “This study was supported by the Research Center for Biomedical Engineering.”

10. Contact information

Tokyo Medical and Dental University

Secretariat of RCBE, Institute of Biomedical Engineering

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Tokyo Institute of Technology

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