

Request for donations

1. Donation program

Donations to support basic and applied research for the next generation organ regenerative medicine.

(Abbreviated name: "Regenerative medicine for everyone" project)

2. Project utilizing the donations

(1) Project name

"Regenerative medicine for everyone" project

(2) Purpose

RIKEN Center for Biosystems Dynamics Research conducts basic research on the development and regeneration of living organisms, as well as research on the world's most advanced next-generation regenerative medicine for organs. In particular, BDR has achieved many world-firsts in organ regeneration research.

This project will promote the development of technology for organ regeneration medicine and based on the research results of "hair regeneration" and "tooth regeneration," which are the world's first original technologies from Japan, we will strongly promote the realization of treatment through organ regeneration, something that is relevant to all the people in the nation.

Up until now, Japan's regenerative medicine research has focused on "regenerative medicine for life" (such as intractable diseases) with a large amount of government funding. However, hair and teeth, which are not directly related to one's own health and "life" per se, are also important issues for people's quality of life (QOL), and the regenerative medicine for hair and teeth that we are promoting is truly "regenerative medicine for everyone". By promoting this project with all the people in the nation in mind, we aim to realize a healthy society/society with longevity. In this project, we will promote new basic research to realize the pertinent treatment, and also cooperate in human clinical studies as the world's first Japanese organ regeneration medicine of "hair regeneration medicine" for which safety has already been confirmed in animal experiments. Furthermore, in the area of "tooth regeneration," we have demonstrated the basic principles of tooth regeneration technology using "next-generation implants" that regenerate and enhance biological functions in large animals, and we will promote the development of new implants for human applications, safety testing on animals, and human clinical studies.

This project aims not only to conduct basic research, but also to deliver the world's first and Japan's original "regenerative medicine for everyone" to the people of the world, as well as to help promote Japanese industry.

(3) Project description

i) Representative:

RIKEN Center for Biosystems Dynamics Research

Laboratory for Organ Regeneration

Team Leader Takashi Tsuji Ph.D.

ii) Project outline:

- Basic research on novel technologies for organ regeneration.
- Cooperation and support for the world's first human clinical study of first-generation "hair follicle organ regeneration medicine" using autologous hair stem cells.
- Research and development of highly efficient next-generation "hair follicle organ regeneration technology".
- Animal safety and efficacy testing of "next generation implants" for "tooth regeneration".
- Cooperation and support for the world's first human clinical study of "next generation implants".

3. Donation call amount

500 million JPY

4. Donation call duration

February 10, 2021 to March 31, 2024

5. Spending plan (guide)

- Expenses for supplies (reagents, consumables, etc.): 50 million JPY
- Non-clinical research and development expenses and clinical research and development support expenses: 350 million JPY
- Personnel expenses and honorarium (honorarium for lecturers, etc.): 50 million JPY
- General and administrative expenses (10% of the subscription amount): 50 million JPY

6. Call procedures/methods

- Call will be posted on the RIKEN external website:

<https://www.riken.jp/en/about/support/>

- Call will be posted on the Center/lab website:

<http://www.cdb.riken.jp/org/en/topics/index.html>

8. Inquiries

RIKEN Center for Biosystems Dynamics Research

Laboratory for Organ Regeneration

Team Leader Takashi Tsuji Ph.D.

E-mail: tsujilab [at] ml.riken.jp (Note: Please replace [at] with @)

Address: 2-2-3 Minatojima-minamimachi, Chuo-ku, Kobe, Hyogo 650-0047