

CENTER FOR
REGENERATIVE
MEDICINE
BIOTRUST

QUESTIONS & ANSWERS

> **WHAT IS REGENERATIVE MEDICINE?**

Regenerative medicine is transforming health care by developing new treatments with the potential to fully heal the underlying causes of diseases, rather than only manage disease symptoms. Regenerative medicine treatments promise significant health benefits, increased quality of life, improved patient care and reduced cost associated with recurring treatments.

> **WHAT IS THE CENTER FOR REGENERATIVE MEDICINE BIOTRUST?**


A key component of regenerative medicine at Mayo Clinic, the Center for Regenerative Medicine Biotrust facilitates the collection, processing, storage, and distribution of human biospecimen samples, such as tissue or blood. The samples create a library of samples available to Mayo Clinic investigators for use in the development of new treatments and technologies.



> **I AM A PATIENT INTERESTED IN THE BIOTRUST.**

Patients who have questions concerning their disease and the potential of regenerative medicine therapies can contact the Regenerative Medicine Consult Service at 1-800-422-6296. Following a consultation, and if deemed appropriate, the physician may ask for a biospecimen to be collected by the Biotrust.

Traditionally, physicians perform a skin biopsy to collect a biospecimen, which is then processed, banked and made available for future studies. These stem cells may be used by investigators to further understand a specific disease and aid in the translation of research to practice.



> I AM AN INVESTIGATOR INTERESTED IN THE SERVICES OF THE BIOTRUST.

Any human cells or tissues with application to regenerative medicine and surgery are within the scope of the Biotrust. Examples of biomaterials derived and banked by the Biotrust include cells from umbilical cord blood, fibroblasts or other somatic cells for induced pluripotent stem (iPS) cell reprogramming, iPS cell lines, or partially differentiated cell lineages derived from various stem cell types.

The Mayo Clinic Center for Regenerative Medicine Biotrust is able to provide the following services to investigators:

- Institutional Review Board and scientific protocol development
- Biospecimen collection and primary cell isolation
- iPS cell generation
- Training in iPS cell culturing techniques
- Directed differentiation of various cell types
- Cryopreservation, banking and redundant storage of regenerative medicine-related biomaterials

> **WHY WAS THE MAYO CLINIC CENTER FOR REGENERATIVE MEDICINE BIOTRUST FORMED?**

Though great progress has been made in medicine, current treatments are increasingly unable to keep pace with patients' needs, especially given our aging population. There are few effective ways to treat the root causes of many diseases, injuries and congenital conditions. Driven by these needs, the Biotrust allows the acceleration of research into regenerative medicine therapies and technologies.

> **HOW WILL THE CENTER FOR REGENERATIVE MEDICINE BIOTRUST ACCELERATE REGENERATIVE MEDICINE TREATMENTS?**

The Center for Regenerative Medicine Biotrust accelerates the development of new and innovative treatments by allowing faster access to samples for use in research and aiding in the sharing of results between investigators. When studying a particular health issue, researchers can use samples and health information from the Biotrust. The immediate access to these samples and information alleviates the need to recruit study participants, which saves time and money. Additionally, investigators have access to technical expertise provided by the Biotrust team.



IF YOU HAVE QUESTIONS

- > Email us
MayoClinicBiotrust@mayo.edu
- > Call the Regenerative Medicine Consult Service
1-800-422-6296
- > Visit our website
**[http://www.mayo.edu/research/centers-programs/
center-regenerative-medicine/platform-resources/
regenerative-medicine-biotrust](http://www.mayo.edu/research/centers-programs/center-regenerative-medicine/platform-resources/regenerative-medicine-biotrust)**

MAYO CLINIC | 200 First Street SW | Rochester, MN 55905 | mayoclinic.org

©2013 Mayo Foundation for Medical Education and Research. All rights reserved. MAYO, MAYO CLINIC and the triple-shield Mayo logo are trademarks and service marks of MFMER.

MC7092-08