Kyoto University On-site Laboratory: Kyoto University–University of Zurich Next-Generation Medicine Laboratory

General Information

- Established by the Center for iPS Cell Research and Application (CiRA)
- Partner institution: University of Zurich (Switzerland)
- (Planned to) Established in October 2026
- Locations (Cross-bound)
  - University of Zurich, Zurich, Switzerland
  - Kyoto University, Kyoto, Japan
- Purposes: Develop next-generation medicine and globally minded scientific leaders for careers in academia, industry, and other sectors
- Activities/functions: Basic research and translation of advanced cell therapies

Positive Ripple effects on the University's Activities

The CiRA–IREM connection bridges KU and UZH for advanced biomedical research and education to benefit both sides at the university level:

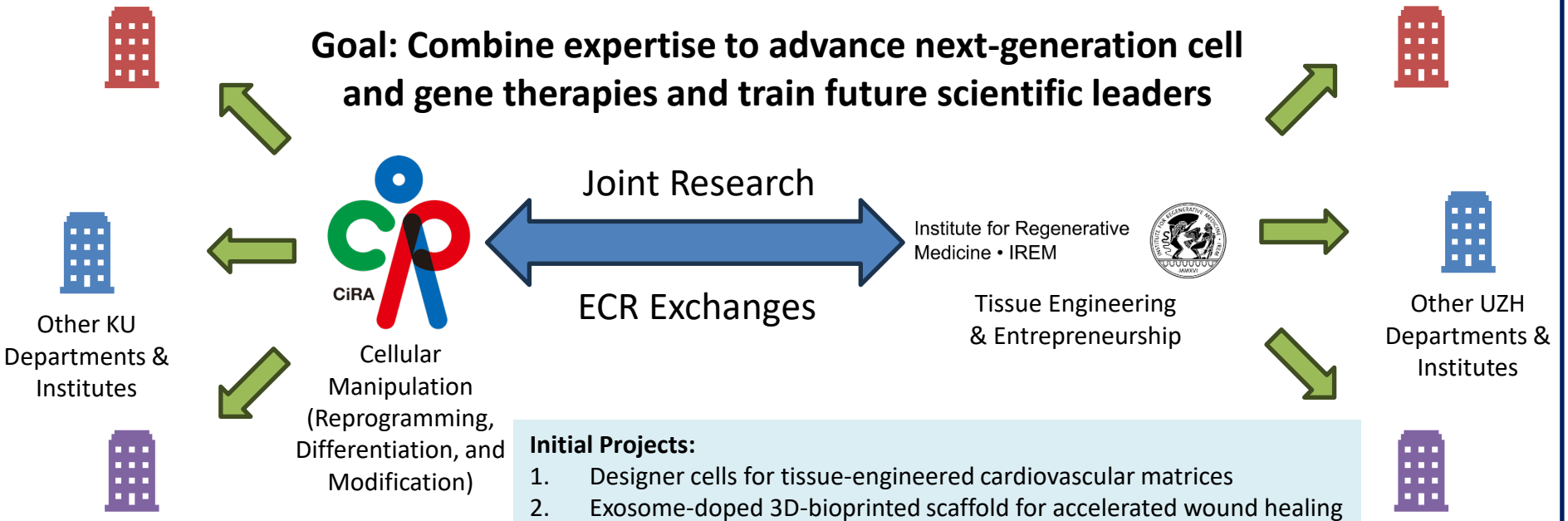
- Enhance recruitment of talented international students and researchers
- Implement joint workshops, courses, and summer schools in areas such as next-generation medicine and entrepreneurship
- Progress toward the establishment of an international joint Ph.D. program
- Promote industry collaboration and startup creation in Kyoto and Zurich to translate research outcomes into real-world applications

Strengthen Kyoto University's standing as an international hub for research and education in next-generation medicine

Activity Overview

Kyoto University–University of Zurich Next-Generation Medicine Laboratory

Goal: Combine expertise to advance next-generation cell and gene therapies and train future scientific leaders



Initial Projects:

1. Designer cells for tissue-engineered cardiovascular matrices
2. Exosome-doped 3D-bioprinted scaffold for accelerated wound healing
3. iPS cell-based disease modeling of Glanzmann thrombasthenia