

Total Bioficial Replacement Heart Update

The Total Bioficial Heart (TBH) project at the Cardiovascular Innovation Institute maintains a long-term goal of producing a fully biologic replacement heart for patients suffering end-stage heart failure. This project represents a multi-disciplinary, multi-investigator effort, divided into five separate sub-programs: 1. Coronary arteries, 2. Cardiac Microcirculation 3 Cardiac Contractile Tissue, 4. Electrophysiology and 5. Heart Valves. These programs are visually illustrated using the mind map below.

Over the upcoming months we will provide updates in all these areas as we make progress toward completion of tasks in each project area. Success in each area will have direct patient benefit as new therapies and devices emerge from our laboratory efforts, pass our preclinical tests to establish safety and efficacy and translate to human clinical trials.

The finish line for these and all our studies related to the Total Bioficial Heart is clearly defined but this is truly a marathon. We will provide continuous updates on our progress!

