The CIRM Center of Excellence in Stem Cell Genomics (CESCG)

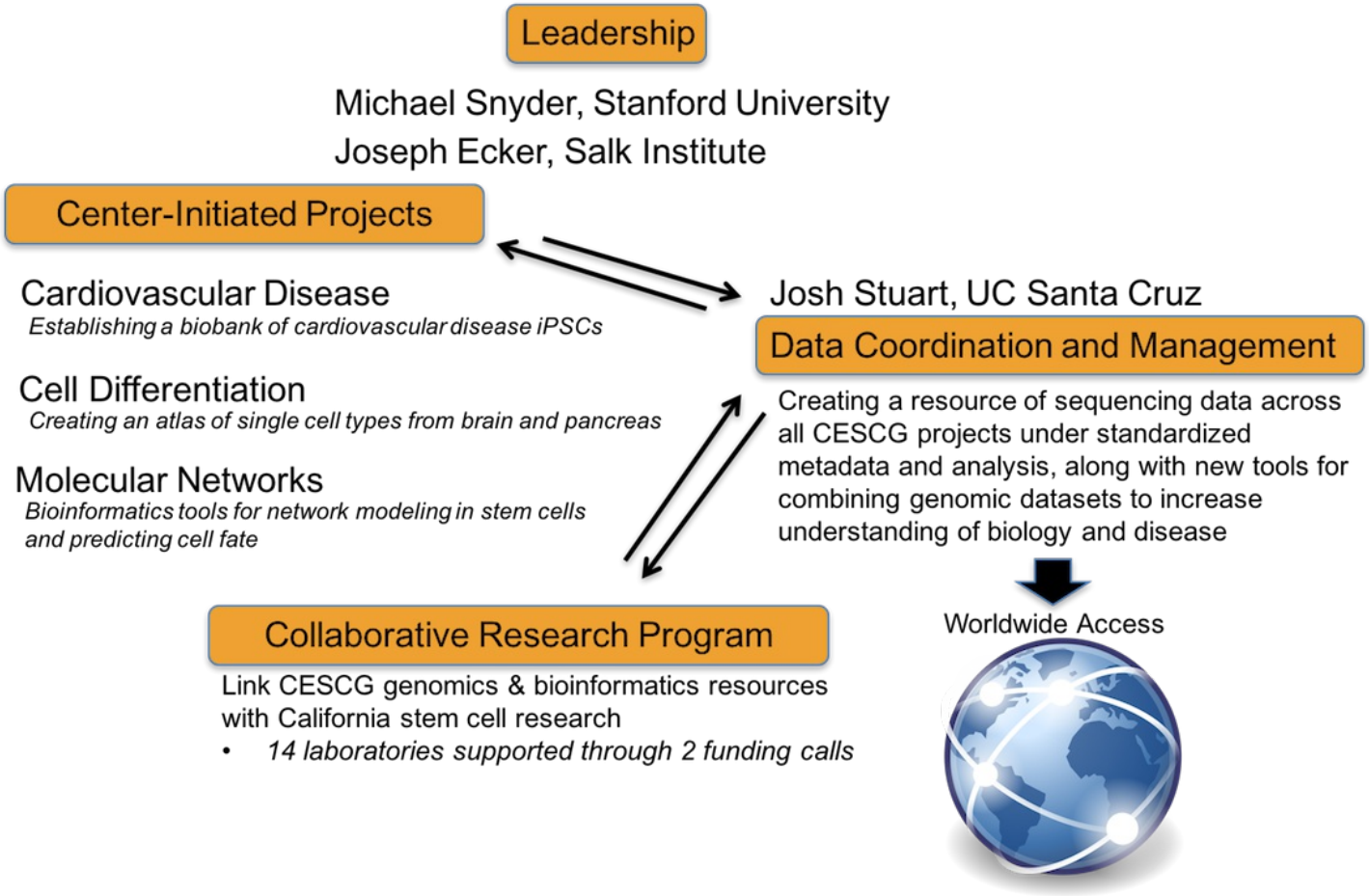
CIRM's goal in establishing the CESCG is to apply genomics and bioinformatics approaches to stem cell research to accelerate fundamental understanding of human biology and disease mechanisms, enhance cell and tissue production and advance personalized cellular therapeutics.

The CESCG is composed of Operational Cores at Stanford University and at the Salk Institute and a Data Coordination and Management Core at the University of California Santa Cruz, which currently support the following research programs:

1) Center-initiated Projects: Two projects are applying advanced genomics approaches, one to explore cardiac disease and drug toxicity and the other to investigate cell fate and identity. A third project is developing innovative bioinformatics tools to establish molecular network models and to guide predictions of cell fate.

2) Collaborative Research Program: Through the solicitation and participation in collaborative research projects, the CESCG provides stem cell scientists throughout the state of California with access to cutting-edge genomics and bioinformatics technologies, and expertise and assistance in experimental design and data analysis.

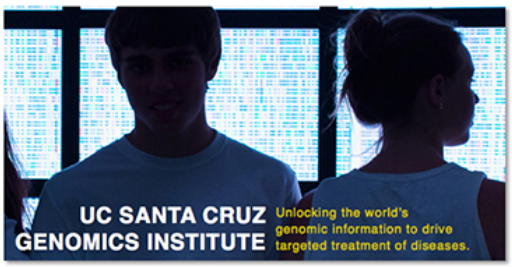
Components of CIRM's Genomics Initiative:



CIRM CESCG Institutions

Stanford MEDICINE

UNIVERSITY OF CALIFORNIA SANTA CRUZ



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