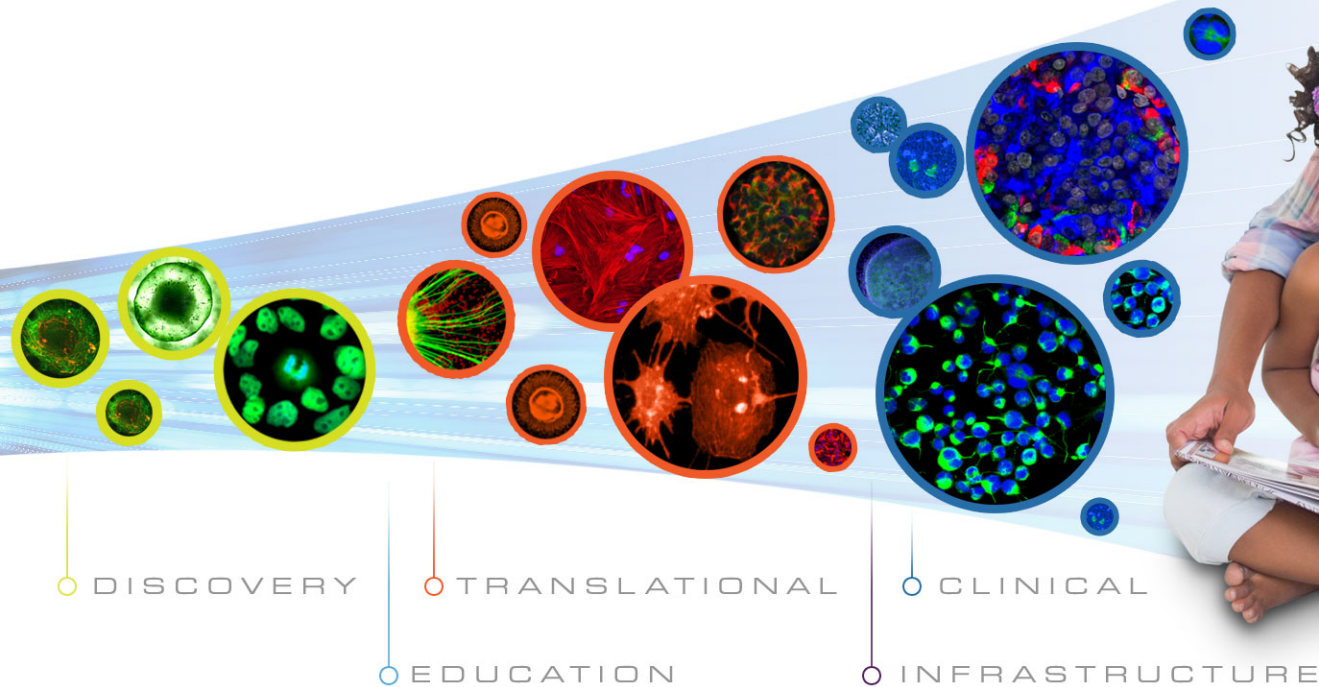


March 26, 2015



CIRM hiPSC Initiative - Update

Uta Grieshammer, Ph.D.

Science Officer
California Institute for Regenerative Medicine

CIRM hiPSC Initiative

CIRM Mission: Accelerating stem cell treatments to patients with unmet medical needs

Goal: Create a human iPSC bank to accelerate therapeutic discovery

- ~ \$32 MM Budget
- ICOC approval March 2013
- Awarded November 2013

CIRM hiPSC Initiative

Tissue Collection from 3000 Tissue Donors



hiPSC Generation



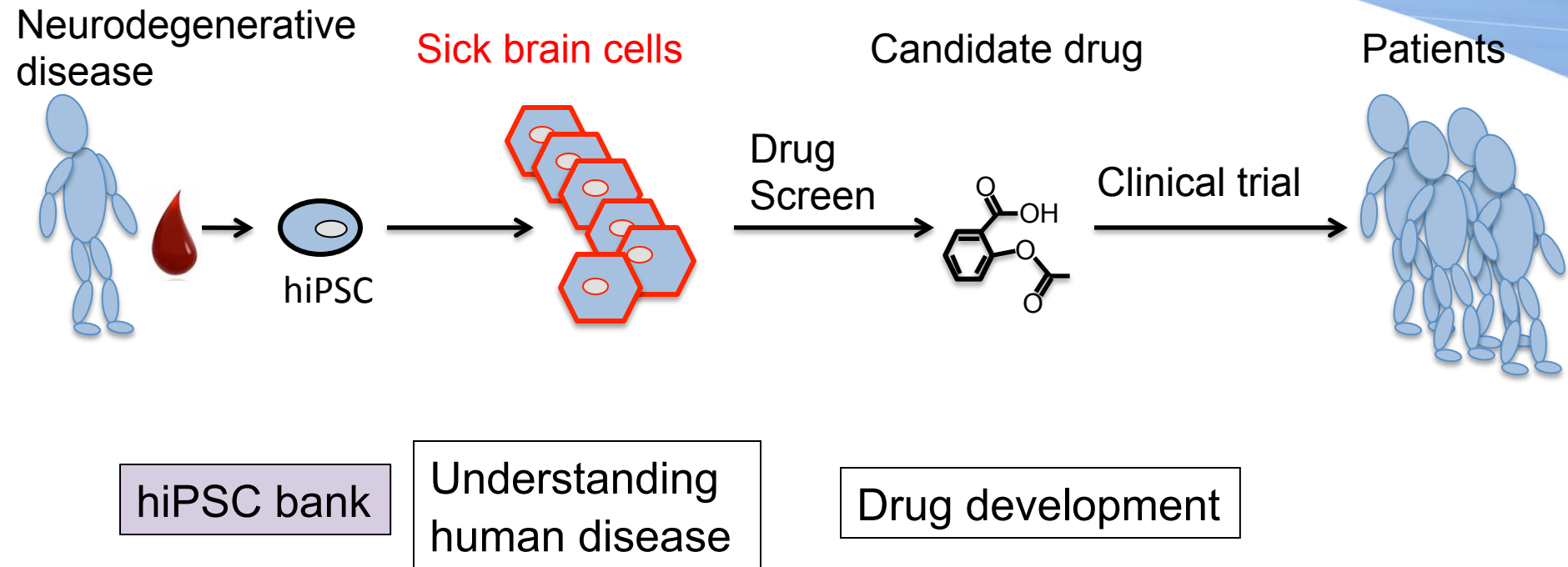
CIRM hiPSC Bank

CIRM Coordination

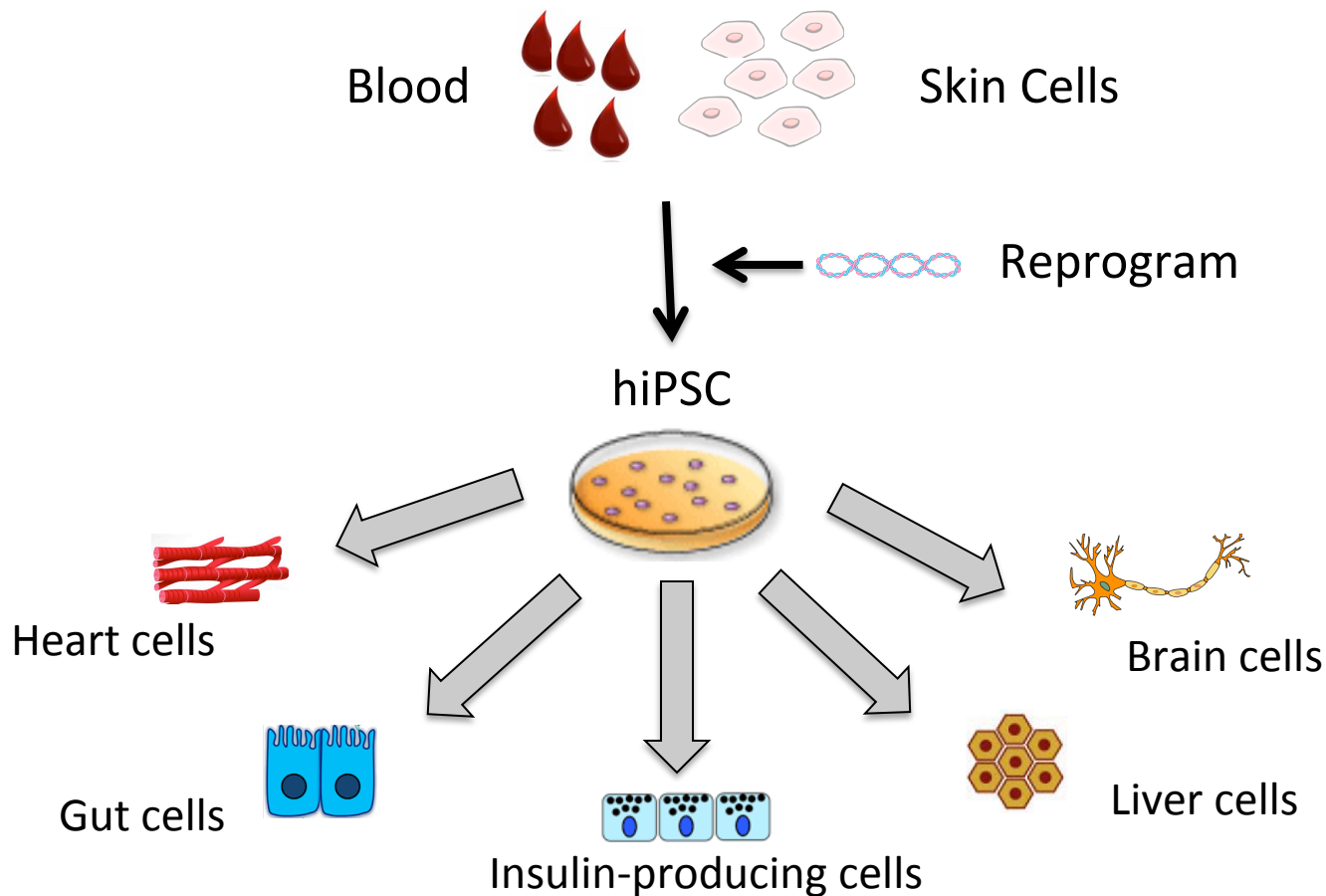
- **Disease modeling**
- **Target discovery**
- **Drug discovery and development**



Rationale for hiPSC Banks



hiPSC Bank: Broad Application to Many Human Diseases



CIRM hiPSC Initiative: Tissue Collection

Tissue Collector	Institution	Disease	# Donors
Joseph Gleeson	UCSD	Neurodevelopmental Disorders - epilepsy - autism - cerebral palsy	550
Joachim Hallmayer	Stanford	Idiopathic Autism	300
Joseph Wu	Stanford	Cardiomyopathies	680
Jacquelyn Maher	UCSF	Viral Hepatitis Nonalcoholic Steatohepatitis	186
Brigitte Gomperts	UCLA	Idiopathic Pulmonary Fibrosis	250
Douglas Galasko	UCSD	Alzheimer's Disease	385
Kang Zhang	UCSD	Blinding Eye Diseases - age-related macular degeneration - primary open angle glaucoma - proliferative diabetic retinopathy	650

CIRM hiPSC Initiative: hiPSC Generation and Banking

hiPSC Generation

Thomas Novak,
Cellular Dynamics International

hiPSC Bank

Dorit Berlin,
Coriell Institute for Medical Research



Buck Institute, Novato, CA

CIRM hiPSC Initiative Status and Timeline

