

Human Induced Pluripotent Stem Cell Initiative RFAs 12-02, 12-03 and 12-04

**Webinar for Potential Applicants
July 19, 2012**

**Uta Grieshammer, PhD
ugrieshammer@cirm.ca.gov**

hiPSC Initiative - Goal

**Establish a high quality
disease-specific hiPSC resource in California**

**RFA 12-02:
Tissue Collection for
Disease Modeling**

**RFA 12-03:
hiPSC Derivation**

**RFA 12-04:
hPSC Repository**

**Prevalent, genetically
complex diseases**

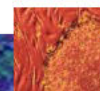
**Single
derivation Method**

Bank and distribute hPSC
- Derived under this Initiative
- From California Investigators

**3-10 Grant Awards
Total up to \$4 Million
2 years**

**1 Grant Award
Total \$16 Million
3 years**

**1 Grant Award
Total \$10 Million
4 years**



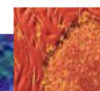
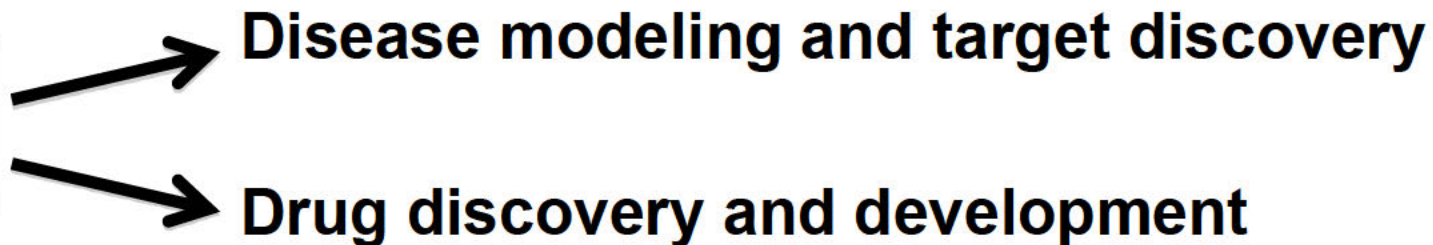
hiPSC Initiative – Utility of Resource



- Diseases included
- Quality of hiPSC lines
- Tissue donor consent – Appendix A
- Medical information
- Freedom to operate (derivation technology)
- Material transfer agreements – Appendix B



**CIRM hPSC
Repository**



hiPSC Initiative - Main Activities

RFA 12-02: Tissue Collection for Disease Modeling

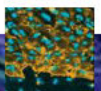
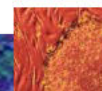
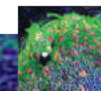
- Consent donors
- Collect medical information
- Code medical information
- Collect tissues

RFA 12-03: hiPSC Derivation

- Preserve / expand primary source cells
- Derive & characterize hiPSC

RFA 12-04: hPSC Repository

- Store & distribute hPSC
- Store & distribute primary source cells
- Store & make available coded medical information



hiPSC Initiative - Interactions

**RFA 12-02: Tissue
Collection for
Disease Modeling**

**RFA 12-03:
hiPSC Derivation**

**RFA 12-04:
hPSC Repository**

Protocols_

Provide tissue collection
method to 12-02

Provide web-based medical
data collection tool to 12-02

Cells_

Transfer tissues to 12-03

Transfer hiPSC to 12-04

Provide Unique ID to 12-02

Transfer primary source
cells to 12-04

Transfer hiPSC to 12-
02, if requested

Information

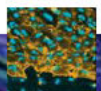
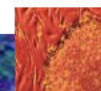
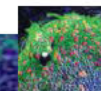
Transfer coded medical
information to 12-04

Shipping Costs_

Pay for hiPSC shipping,
if requesting

Pay for tissue shipping

Pay for hiPSC / cell shipping



hiPSC Initiative

Regulatory / IP Considerations

RFA 12-02: Tissue Collection for Disease Modeling

- State and federal laws for the protection of research participants and medical information
- Maintain ability to re-contact, if consented

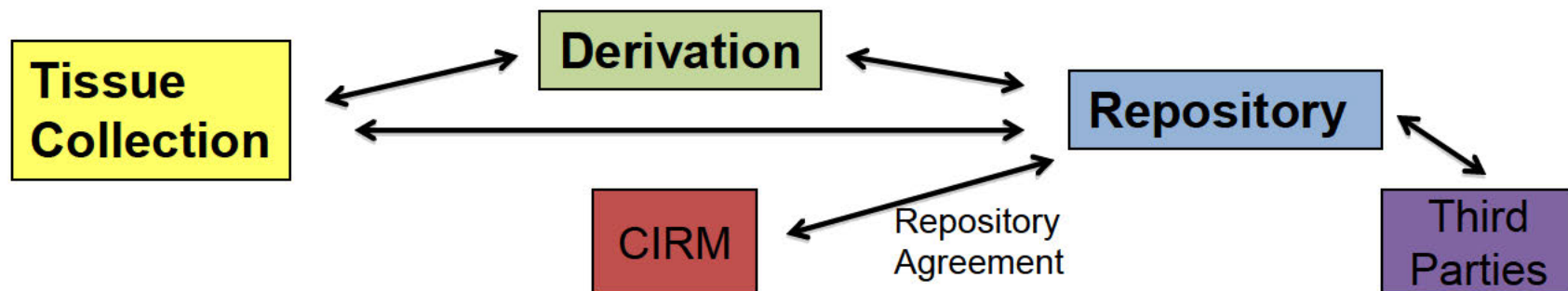
RFA 12-03: hiPSC Derivation

- Freedom to operate

RFA 12-04: hPSC Repository

- Assurance from viewers of private tissue donor information to not seek identity
- Facilitate re-contact, if consented

Material Transfer Agreements (see Appendix B)



hiPSC Initiative - Coordination of Funded Grant Activities



Start-up Meeting – meeting of all hiPSC Initiative Award recipients
to facilitate coordination of activities,
to develop hiPSC line nomenclature

Program Officer at CIRM

- continued coordination of activities
- succinct quarterly progress communications
- meetings amongst hiPSC Initiative grantees



hiPSC Initiative

Eligibility Criteria – section VI



	RFA 12-02	RFA 12-03	RFA 12-04
Project	<ul style="list-style-type: none"> - Human cells - Genetically complex disease - Prevalent disease 	<ul style="list-style-type: none"> - Propose derivation from 3000 tissue donors 	<ul style="list-style-type: none"> - Propose banking cells from 3000 tissue donors
Institution	<ul style="list-style-type: none"> - non- & for-profit - CA location @ application deadline - No limit on number of applications 	<ul style="list-style-type: none"> - non- & for-profit - CA location @ time of funding - Only 1 application 	<ul style="list-style-type: none"> - non- & for-profit - CA location @ time of funding - Only 1 application
PI/PD	<ul style="list-style-type: none"> - Can apply to more than 1 RFA in this Initiative - Single application to this RFA 	<ul style="list-style-type: none"> - Can apply to more than 1 RFA in this Initiative - Single application to this RFA 	<ul style="list-style-type: none"> - Can apply to more than 1 RFA in this Initiative - Single application to this RFA

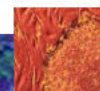


hiPSC Initiative – Tips

Read the RFA

- be sure to address all points in the application
- consider the review criteria
- ask CIRM if you are unsure

Budgets - should be well justified



hiPSC Initiative - Schedule



Letters of Intent due	August 14, 2012
Applications due	September 27, 2012
Review of Applications by GWG	December 2012
Review and Approval by ICOC	Winter 2013
Earliest Funding	Quarter 2, 2013

