

## **Required Human Embryonic Stem Cell Research Compliance**

Prior to beginning human embryonic stem cell (hESC) work - and before your laboratory members can be trained - each PI must have approval from the following research compliance committees below. Policies have been developed by the University of California to assure compliance with state and federal regulations for hESC research. **At minimum\*, approval for your proposed hESC research is needed from ESCRO and Human Subjects Committees before your laboratory members can be trained.** Links to relevant forms and information for contact persons for each committee have been included.

### **\*Embryonic Stem Cell Research Oversight (ESCRO)**

*This approval is necessary for any research involving stem cells.  
The establishment of the ESCRO committee is based on CA regulations, National Academies of Science (NAS) hESC guidelines, and California Institute for Regenerative Medicine (CIRM) regulations. This committee will strive to ensure that UCSB hESC research meets scientific, ethical, and legal standards while facilitating the progress of such research.*

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Senior Research Integrity Specialist  
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### **\*Human Subjects Committee**

*A review by the IRB is required by California State Regulations. The IRB will assist investigators in determining whether a Human Subjects Protocol is/is not necessary for any research involving stem cells.  
Research involving hESCs must receive IRB review, regardless of whether or not such cells will be put into human subjects and regardless of the source of the cells. CA state regulations mandate that “research involving the derivation and use of human embryonic stem cells, human embryonic germ cells, and human adult stem cells, including somatic cell nuclear transplantation, shall be reviewed by an approved institutional review board.” - Senate Bill No. 253, Chapter 789*

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**Institutional Biosafety Committee**

*Institutional Biosafety Committee approval is necessary if you plan to culture or manipulate hESCs.*

Jamie Bishop  
Biological Safety Officer, Environmental Health and Safety  
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**Institutional Animal Care and Use Committee (IACUC)**

*This approval is necessary if you plan to use vertebrate animals in your stem cell research, and also if you plan to generate primary mouse embryonic fibroblasts for co-culture with hESCs.*

Sean Mayuga  
Research Integrity Specialist - Institutional Animal Care and Use  
Committee  
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For more information on the research compliance organizations above, please contact the UCSB Office of Research: (<http://www.research.ucsb.edu/compliance/>)

Once you have received UCSB ESCRO/HSC/IBC and IACUC approval (if required), please contact Dr. Linc Johnson regarding training information for the Stem Cell Facility.

Linc Johnson  
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