



Letter Of Intent for RFA 09-03 CIRM Stem Cell Transplantation Immunology Research Awards

Guidance for Completing the CIRM Stem Cell Transplantation Immunology Research Awards LOI Form

PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE COMPLETING THE LOI FORM

You will need a fully functional copy of *Adobe Acrobat version 8 or 9* (Standard or Professional) to complete, print, and save this form. For optimal performance, we recommend that you upgrade to *Adobe Acrobat* (Standard or Professional) Version 8.1 or later. Using *Adobe Acrobat Reader* will not permit you to save information that is entered on this form.

Applicants for a CIRM Stem Cell Transplantation Immunology Research Award must submit a Letter of Intent (LOI) using this form.

When completed, this form should be saved in its original interactive PDF format. Do not flatten or make a print version of this file.

All LOI materials must be received by CIRM no later than **5:00 p.m. PST on December 15th, 2009. No exceptions will be made.**

A complete LOI includes:

- 1) This form completed, saved, and submitted as an email attachment to ImmunologyLOI@cirm.ca.gov
- 2) A copy of the cover page showing the Authorized Organizational Official's signature. You may submit the signed cover page as a hard copy (via express mail or courier service), a fax copy (415-396-9142) or as a scanned PDF file (to ImmunologyLOI@cirm.ca.gov).

Only LOIs that are complete and meet the minimum eligibility criteria will be accepted by CIRM.

Applications will only be accepted from prospective applicants who 1) meet all eligibility requirements described in RFA 09-03 and 2) have submitted an LOI that was accepted by CIRM. CIRM will notify applicants of their LOI status by *December 22, 2009*.

Please note, CIRM, mindful of the urgency of its mission, will require all awards to be initiated no later than six months after the date the ICOC approves the application for funding.

Any questions should be addressed to:

Sohel Talib, Ph.D.
Science Officer
stalib@cirm.ca.gov
415-396- 9137

or

Gil Sambrano, Ph.D.
Senior Review Officer
gsambrano@cirm.ca.gov
415-396-9103



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Notice: In addition to the completed PDF file, you must also submit a copy of this cover page showing the Authorized Organizational Official's signature as a hard copy (via express mail or courier service), a fax copy (415-396-9142) or as a scanned PDF file (to ImmunologyLOI@cirm.ca.gov.)

Applicant Institution

Institution Name	<input style="width: 95%;" type="text"/>	If your institution is not listed please enter the name of the institution
Type of Institution	<input type="radio"/> For-profit Institution	<input type="radio"/> Non-profit Institution

Principal Investigator (PI)

Name

<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>	<input style="width: 95%;" type="text"/>
Prefix	First	Middle	Last	Suffix

Degree Choose the highest degree earned. If your degree is not listed, enter it in the box. Title

Email This email address identifies you to CIRM. Please use this email address for all correspondence with CIRM. Confidential information about your application may be sent to this address.

Primary Mailing Address of the PI

Address

Please provide a complete mailing address to which confidential information about your application may be sent.

City Zip Code Phone

Collaborative Funding Partner

If your proposal includes a Collaborative Funding Partner, check this box and provide information about the Partner and Partner PI on the following page

Authorized Organizational Official

Name	
Title	Phone Number
Email	This email address identifies you to CIRM. Please use this email address for all correspondence with CIRM. Confidential information about the application may be sent to this address.
Address	
<input style="width: 95%;" type="text"/>	
City	Zip Code

I hereby certify that I have reviewed the eligibility requirements in the RFA, and that the PI and applicant institution meet those requirements.

Signature	Date
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Funding Partner Principal Investigator (Partner PI) - If applicable

Provide the information requested below about the Partner PI if your proposal includes an official Collaborative Funding Partner.

Name	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Prefix	First	Middle	Last	Suffix
Degree	<input type="text"/>			Choose the highest degree(s) earned. If degree is not listed, enter it in the box.	Title <input type="text"/>
Email	<input type="text"/>				
	This email address identifies the Partner PI to CIRM.				
Institution	<input type="text"/>				
Funding Partner	<input type="text"/>				

Eligibility of Proposed Project

CIRM will only accept applications and support projects that meet all of the eligibility criteria outlined below. Please complete the information requested for all items (1-3).

CIRM funding under this RFA may not be used for studies involving non-mammalian cells or models, immunology studies not directly related to topics listed under item 2 below, clinical studies or commercial scale up technology development. Analysis of human subject samples, if directly related to the proposed research, can be funded.

1. The proposed project must use human or mammalian stem cells or tissues or cells derived in culture from stem cells. Please indicate the stem cell types that your project will use or the stem cells from which your tissue/cells are derived. Eligible stem cells are (check all that apply):

- | | |
|--|--|
| <input type="checkbox"/> Human embryonic stem cells (hESC) | <input type="checkbox"/> Mammalian embryonic stem cells (ESC) |
| <input type="checkbox"/> Human induced pluripotent stem cells (iPSC) | <input type="checkbox"/> Mammalian induced pluripotent stem cells (iPSC) |
| <input type="checkbox"/> Human adult stem cells | <input type="checkbox"/> Mammalian adult stem cells |

2. All aims of the proposed project must have applicability to the development of tolerance to stem cell grafts. The proposals should directly address one or more of the following subjects (select all that apply):

- a.** Reprogramming of the host immune system to accept a stem cell graft
- b.** Engineering stem cell derivatives to facilitate graft acceptance in allogenic hosts
- c.** Development of predictive animal models of the human immune response to stem cell transplantation
- d.** Development and optimization of tolerance induction to stem cell derived grafts via hematopoietic and/or thymic chimerism
- e.** Development and assessment of cell based strategies utilizing hPSC-derived dendritic cells and/or tolerogenic T cells (Tregs) that have the potential to induce donor-specific tolerance and/or lead to the correction of autoimmune diseases
- f.** Development of sensitive, robust assays for monitoring or predicting stem cell derived graft acceptance or rejection that can be adapted for clinical use



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Eligibility of Proposed Project

3. The Principal Investigator (PI), the Funding Partner PI, or a Co-Investigator, either individually or collectively, must have published expertise in both 1) transplantation immunology and 2) the field of stem cell research. **The PI must have published expertise in at least one of these two areas.** The Partner PI or a Co-Investigator may provide the required expertise in one of these areas. CIRM, mindful of the urgency of its mission, will only fund PIs who are willing to commit a minimum of 10% effort to the proposed project. The investigator (PI, Co-Investigator or partner-PI, if applicable See RFA 09-03, section VI D) providing complementary expertise must commit a minimum of 10% effort towards the proposed project.

TRANSPLANTATION IMMUNOLOGY EXPERTISE

Please indicate which investigator is the transplantation immunology expert on the proposed project:

- Principal Investigator
- Funding Partner Principal Investigator
- Co-Investigator -- If selected, please provide the name and affiliation of this individual below.

Name	<input style="width: 90%;" type="text"/> <small>Prefix</small>	<input style="width: 90%;" type="text"/> <small>First</small>	<input style="width: 90%;" type="text"/> <small>Middle</small>	<input style="width: 95%;" type="text"/> <small>Last</small>	<input style="width: 90%;" type="text"/> <small>Suffix</small>
Email	<input style="width: 95%;" type="text"/> This email address identifies the individual to CIRM.				
Institution	<input style="width: 95%;" type="text"/>				

TRANSPLANTATION IMMUNOLOGY PUBLICATIONS

Please cite up to three recent journal publications (not "submitted" manuscripts) that demonstrate the relevant expertise in transplantation immunology of the designated transplantation immunology expert (i.e., PI, Partner PI, or Co-Investigator). For each citation indicate the authors, title, journal name, journal volume/pages and date of publication.

Publication 1	
Publication 2	
Publication 3	



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Eligibility of Proposed Project

4. STEM CELL EXPERTISE

Please indicate which investigator is the stem cell expert on the proposed project:

- Principal Investigator
- Funding Partner Principal Investigator
- Co-Investigator -- If selected, please provide the name and affiliation of this individual below.

Name	<input style="width: 90%;" type="text"/>	<input style="width: 90%;" type="text"/>	<input style="width: 90%;" type="text"/>	<input style="width: 95%;" type="text"/>	<input style="width: 90%;" type="text"/>
	Prefix	First	Middle	Last	Suffix
Email	<input style="width: 95%;" type="text"/> This email address identifies the individual to CIRM.				
Institution	<input style="width: 95%;" type="text"/>				

STEM CELL PUBLICATIONS

Please cite up to three recent journal publications (not "submitted" manuscripts) that demonstrate the relevant expertise in stem cell research of the designated stem cell expert (i.e., PI, Partner PI, or Co-Investigator). For each citation indicate the authors, title, journal name, journal volume/pages and date of publication.

Publication 1	
Publication 2	
Publication 3	



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Summary of Proposed Research

Describe concisely the proposed project including the overall goals, technical approaches, and how it will specifically address the development of tolerance to stem cell grafts. Summary is limited to 1 page/4000 characters (including spaces).



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Suggested Areas of Expertise for Review

To facilitate the review of the application, please identify the areas of expertise needed to evaluate the proposal. Please include keywords that identify elements of the research proposal, such as research field, disease focus and technical approaches.