

**IASCR Grant Review Chart**  
**DRAFT**

| ISSUE                           | CIRM  | CT   | IL   | MA   | MD   | NJ  | NY   | NIH   |
|---------------------------------|---|--|--|--|--|---|--|---|
| <b>Grant Review Entity(ies)</b> | <p>Generally, see: <a href="http://www.cirm.ca.gov/">http://www.cirm.ca.gov/</a></p> <p>Regulations: <a href="http://www.cirm.ca.gov/reg/default.asp">http://www.cirm.ca.gov/reg/default.asp</a></p> <p>Policies: <a href="http://www.cirm.ca.gov/policy/policy.asp">http://www.cirm.ca.gov/policy/policy.asp</a></p> <p>29 member Independent Citizen's Oversight Committee (ICOC) appointed as provided by Prop. 71. Within ICOC, Scientific and Medical Research Funding Working Group (SMRFG) makes scientific and programmatic content recommendations to ICOC for approval.</p> | <p>Generally, see: <a href="http://www.ct.gov/dph/cwp/view.asp?a=3142&amp;q=389702&amp;dphNav_GID=1825">http://www.ct.gov/dph/cwp/view.asp?a=3142&amp;q=389702&amp;dphNav_GID=1825</a></p> <p>Established under state law: CGS §19a-32d et seq. SCR Peer Review Committee (SCRPRC) charged with scientific and ethical review <a href="http://www.cga.ct.gov/2007/pub/Chap368a.htm#Sec19a-32g.htm">http://www.cga.ct.gov/2007/pub/Chap368a.htm#Sec19a-32g.htm</a></p> <p>SCR Advisory Committee (SCRAC) does programmatic review <a href="http://www.cga.ct.gov/2006/ACT/PA/2006PA-00033-R00HB-05843-PA.htm">http://www.cga.ct.gov/2006/ACT/PA/2006PA-00033-R00HB-05843-PA.htm</a></p> | <p>Generally, see: <a href="http://www.ilga.gov/legislation/publicacts/fulltext.asp?Name=095-0519&amp;GA=095">http://www.ilga.gov/legislation/publicacts/fulltext.asp?Name=095-0519&amp;GA=095</a> and <a href="http://www.illinois.gov/gov/execorder.cfm?eorder=46">http://www.illinois.gov/gov/execorder.cfm?eorder=46</a></p> <p>The Illinois Regenerative Medicine Institute (IRMI) Oversight Committee (IRMIOC) determines the award based on recommendations developed under the Institute's scientific peer review process. In the past, an international expert panel consisting of bioethics and medical professionals in stem cells from all over the U.S. – with the exception of Illinois – has been used for conducting the peer reviewing.</p> | <p>Generally, see: <a href="http://www.masslifesciences.com">http://www.masslifesciences.com</a></p> <p>M.G.L. c. 231, s. 3</p> <p>House, No. 4554</p> <p>Massachusetts Life Sciences Center ("MLSC"), a quasi-public agency of the Commonwealth of Massachusetts, established under state law in June of 2006.</p> <p>The proposed Life Sciences initiative (House, No. 4554) was introduced by the Governor in June of 2007 and seeks to expand the membership, funding and grant-making authority of the MLSC. This bill is still making its way through the legislative process.</p> | <p>Generally, see: <a href="http://www.MSCRF.org">www.MSCRF.org</a></p> <p>Three step review process: 1) Independent Scientific Peer Review Committee (SPRC) that review, evaluate, rank, and rate research proposals. 2) SCR Commission, that recommends funding based on the SPRC ranking. 3) TEDCO Corporation board that approves the funding.</p> | <p>Generally, see: <a href="http://www.state.nj.us/scitech/stemcell/grants/index.html">http://www.state.nj.us/scitech/stemcell/grants/index.html</a></p> <p>Over the past two years an independent scientific peer review has been conducted by a panel of stem cell scientists from outside of New Jersey convened by the American Institute of Biological Sciences (AIBS). A new request for proposal is required for this service either every year or every other year and responses to conduct the independent scientific peer review will be due shortly.</p> <p>The ethics review is conducted by a state Ethics Advisory Panel formed and led by Dr. Harold Shapiro, President Emeritus of Princeton University, consistent with the NAS guidelines and New Jersey law.</p> <p>Final grant decisions consider both the ethics and scientific review and are made at an open, public meeting of the New Jersey Commission on Science and Technology (NJCST).</p> | <p>Generally, see: PHL section 265-b(2) <a href="http://stemcell.ny.gov/about/nystem_esc_board_statute.html">http://stemcell.ny.gov/about/nystem_esc_board_statute.html</a> ;</p> <p>The bylaws of the Empire State Stem Cell Board (ESSCB) set forth requirements for the independent scientific peer review panel (ISPRP) and the merit based peer review process. An outside contractor has been selected to assemble the ISPRP under the guidance of the Funding Committee. The ISPRP reviews, evaluates and rates proposals using criteria established in the request for applications.</p> <p>The 13 member Funding Committee of the Empire State Stem Cell Board (ESSCB) then makes recommendations to the Commissioner of Health based upon the evaluations and ratings of the independent scientific peer review committee.</p> | <p>Generally, see: <a href="http://grants.nih.gov/grants/peer_review_process.htm">http://grants.nih.gov/grants/peer_review_process.htm</a></p> <p>The NIH utilizes a dual peer review system mandated by statute in accordance with section 492 of the Public Health Service Act and federal regulations governing "Scientific Peer Review of Research Grant Applications and Research and Development Contract Proposals" (<a href="http://www.fda.gov/oc/ohrt/42CFRPart52">42 CFR Part 52</a>).</p> <p>The first level of review is carried out by a Scientific Review Group (SRG), composed primarily of non-federal scientists who have expertise in relevant scientific disciplines and current research areas. The second level of review is performed by Institute and Center (IC) National Advisory Councils or Boards, which are composed of both scientific and lay members chosen for their expertise, interest, or activity in matters related to health and disease.</p> |

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| <b>Membership</b>     | <p>ICOC: 29 members as follows: Executive officers from CA universities and research institutions; representatives of patient advocacy groups, and experts in the development of medical therapies from the life sciences community.</p> <p>SMRFGW: 23 members from the ICOC as follows: 7 patient advocates; 15 scientists from institutions outside CA, and chair of ICOC.</p> | <p>SCRPRC: Up to 15 members with scientific expertise, appointed by the Commissioner of DPH.<br/><a href="http://www.cga.ct.gov/2007/pub/Chap368a.htm#Sec19a-32g.htm">http://www.cga.ct.gov/2007/pub/Chap368a.htm#Sec19a-32g.htm</a></p> <p>SCRAC: 16 legislatively appointed with stem cell research, business, and ethics expertise plus Commissioner of DPH (Chair)<br/><a href="http://www.cga.ct.gov/2006/ACT/PA/2006PA-00033-R00HB-05843-PA.htm">http://www.cga.ct.gov/2006/ACT/PA/2006PA-00033-R00HB-05843-PA.htm</a></p> | <p>The IRMIOC is composed of 7 members appointed by the Governor from 3 categories: professional medical organizations, voluntary health organizations and for-profit biomed or biotech industry. The Committee shall at all times include at least one member from each of the 3 categories. 3 members serve a 2-year term and 4 members serve a 4-year term. The Committee will have a Chair, Vice-chair, and Secretary.</p> <p>The scientific review panel consists of bioethics and medical professionals in stem cells.</p> | <p>Currently consists of 5 members:</p> <ol style="list-style-type: none"> <li>Secretary of Administration and Finance</li> <li>Director of Economic Development</li> <li>President of UMASS</li> <li>Physician licensed to practice medicine in the Commonwealth</li> <li>CEO of a MA based life sciences company which is a member of the MA Biotechnology Council.</li> </ol> <p>Life Sciences Initiative seeks to add:</p> <ol style="list-style-type: none"> <li>Researcher involved in commercialization of biotechnology, pharma, or medical diagnostic products</li> <li>venture capitalist</li> <li>MA Biotechnology Council board member</li> <li>CEO of company engaged in manufacturing of life sciences products</li> </ol> | <p>Peer reviewers are scientifically recognized experts in SCR. May not reside in Maryland.</p> <p>Commission members are appointed by the state according to the 2006 Stem Cell Act.</p> <p>TEDCO Board members are appointed by the Governor.</p> | <p>The members of the NJCST include 13 voting and two non-voting Commissioners. Of the voting members, three Commissioners are New Jersey Legislators, one is from the Governor's Office, one is from the Commerce Commission, one is from the Department of Education, and seven are public members.</p> <p>The scientific panel is run by AIBS and composed of scientists from outside New Jersey. The ethics panel is run by Dr. Harold Shapiro and contains at least three bio-ethicists.</p> | <p>The Commissioner of Health serves as the Chair of the ESSCB and of the Ethics and Funding Committees. Each Committee also has 12 members appointed by the Governor, half of which are nominees of the majority and minority leaders of both houses of the legislature.</p> | See above.   |
| <b>Review Process</b> | <p>See CIRM Grants Administration Policy for Academic and Non-Profit Institutions.</p> <p>Stage 1: Scientific merit (scientists only); Stage 2: Programmatic</p>   | <p>SCRPRC reviews applications and makes recommendations to Comm. of DPH and SCRAC re ethical and scientific merit.<br/><a href="http://www.cga.ct.gov/2007/pub/Chap368a.htm#Sec19a-32g.htm">http://www.cga.ct.gov/2007/pub/Chap368a.htm#Sec19a-32g.htm</a></p>  | <p>Specific rules are to be developed but in general the independent scientific review ranks applications according to pre-determined scientific, medical and ethical requirements.</p>  |  | <p>Peer review Committee ranks applications according to scientific, medical and ethical implications online as well as in face-to-face study section and makes recommendations to the</p>  | <p>The independent scientific peer review is conducted by a panel of scientists from outside of New Jersey assembled by AIBS. This panel reviews and scores proposals and the</p>   | <p>The independent scientific peer review is conducted by a panel of scientists from outside New York State based upon criteria, requirements and standards adopted by</p>  | <p>The initial peer review meeting conducted by the Scientific Review Group (SRG) is a committee process and the summary statement reflects the individual comments of the</p> |

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|                                     | relevance (entire SMRFG).<br><br>SMRFG makes recommendations to ICOC, which makes final decisions regarding funding. | <a href="#">ec19a-32g.htm</a>  | Peer review recommendations are to report to the IRMIOC for final determination.   |    | SCR Commission.                                   | results of this review are submitted to the NJCST.<br><br>The ethics review is simultaneously conducted by a panel of bio-ethicists assembled and led by Dr. Harold Shapiro. The results of this review are submitted to the NJCST.<br><br>The NJCST reviews these recommendations and makes the final funding decisions at an open, public meeting. | the Funding Committee. The Funding Committee then makes recommendations to Commissioner of Health based on the evaluations and ratings of the independent scientific peer review panel. | assigned reviewers and the collective input of the committee.<br><br>The second level of review is performed by the Advisory Council/Board of the potential awarding IC.<br><br>Only applications that are favorably recommended by both the SRG and the Advisory Council/Board may be recommended for funding.<br><br><a href="http://grants.nih.gov/grants/peer_review_process.htm">http://grants.nih.gov/grants/peer_review_process.htm</a> |
| <b>Review Criteria</b>              | Yes. See CIRM Grants Administration Policy for Academic and Non-Profit Institutions.                                 | SCRPRC adopted the NIH methodology for scoring and rating applications and utilizes the NAS Guidelines for hESC Research.<br><br>SCRAC selection criteria are specified in RFP.<br><a href="http://www.ct.gov/dph/lib/dph/2007-08_Application.doc">http://www.ct.gov/dph/lib/dph/2007-08_Application.doc</a> | Under guidance from IRMIOC and based on national and international best practices. |    | Yes. See, MSCRF website for Grants review policy. | Scientific review uses nationally recognized criteria.<br><br>Ethics review guided by NAS Guidelines and NJ Human Stem Cell Research Act.  | Each request for applications includes the review criteria, scoring methodology and standards to be used by the independent scientific peer review panel.                               | NIH applications are evaluated using established review criteria. See updated criteria for grant review: <a href="http://grants.nih.gov/grants/guide/notice-files/NOT-OD-05-002.html">http://grants.nih.gov/grants/guide/notice-files/NOT-OD-05-002.html</a>   |
| <b>Appeals of Scientific Review</b> | No.  | No.  | No.  |    | No.   |  | None.   | Initial review: an investigator may contest a procedural aspect of the process (e.g., that the review was biased, that conflict of interest existed, that the review group lacked appropriate expertise, that factual errors entered into the review. However, the differences of scientific opinion that often occur between investigators  |

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|  |  |   |  |    |   |   |  | and reviewers may not be contested through these procedures.<br><br>For more information see:<br><a href="http://www.grants.nih.gov/grants/guide/notice-files/not97-232.html">http://www.grants.nih.gov/grants/guide/notice-files/not97-232.html</a>  |
| <b>Public Access to Review Process</b> | Public summaries of all grant proposals. | Public has access to public meetings and documents unless pertains to information not subject to disclosure under the FOIA. | Governed by Open Meeting Act and FOIA. The peer review meetings are closed to the public. An annual report is to be issued for 07/08 |    | Names and titles of all members of the SCR Commission and of the Peer Review Committee are published on the MSCRF website.<br><br>All Commission meetings (with exception of funding decision meetings) are open to the public and a notice to the public is released prior to each meeting.<br><br>Funded applications, including names, organization, summary of research and amount of grant, published on website.<br><br>Presentations regarding progress /results required of funded applicants at yearly public forums during term of grant plus one year, and an open to the public annual symposium. | Final decisions based on the independent scientific peer review and the ethics review are made at an open public meeting. | All meetings of the Empire State Stem Cell Board and the Funding and Ethics Committees are open to the public and webcast, except when the Open Meetings Law authorizes the committee or board to convene in executive session. Webcasts are accessible through the NYSTEM ( <a href="http://www.stemcell.ny.gov">www.stemcell.ny.gov</a> ) and DOH ( <a href="http://www.health.state.ny.us">www.health.state.ny.us</a> ) websites. | The peer review meetings are closed to the public, although some meetings may have an open session; the Federal Register provides the details of each meeting.<br><a href="http://grants.nih.gov/grants/peer_review_process.htm">http://grants.nih.gov/grants/peer_review_process.htm</a><br><br><a href="#">The Freedom of Information Act</a> provides that the agency will provide access to identifiable documents within our possession unless one of nine exemptions or three exclusions applies. Additional guidance on the exemptions and how they apply to certain documents can be found in the <a href="#">Department Regulations</a> implementing the FOIA.<br><br>See also:<br><a href="http://www.nih.gov/icd/foia/index.htm">http://www.nih.gov/icd/foia/index.htm</a> |

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| <b>Compensation for Reviewers</b> | Per diem for working group members  | Advisory and Peer Review Committee members are public officials and are eligible for reimbursement for expenses.  | Per diem, travel, hotel plus reviewer fees.   |    | SCR Commission members are entitled to reimbursement for expenses under the Standard State Travel Regulations, as provided in the State budget.<br><br>Peer reviewers are entitled to honorarium as well as reimbursement for expenses (as above for SCR Commission).   | The independent scientific review panel assembled by AIBS is compensated by agreement with the NJCST. The ethics panel and Commissioners of the NJCST are not compensated.  | The independent scientific review panel is compensated by the outside contractor responsible for assembling the panel. Compensation includes a per diem and expenses.  | Yes. Per diem plus expenses. See <a href="http://cms.csr.nih.gov/NR/donlyres/7018192E-3BE9-4D2B-BB19-5DCA89615E4F/15082/FY08FlatReimbursementRatesFinal122007.pdf">http://cms.csr.nih.gov/NR/donlyres/7018192E-3BE9-4D2B-BB19-5DCA89615E4F/15082/FY08FlatReimbursementRatesFinal122007.pdf</a>                                  |
| <b>Conflict of Interest</b>       | See <a href="http://www.cirm.ca.gov/policy/policy.asp">http://www.cirm.ca.gov/policy/policy.asp</a> | Advisory Committee and Peer Review members may not participate in the review or consideration of an application filed by the member or an entity with which the member has a financial interest, or engages in any business, employment, transaction or professional activity. CGS §19a-32f(d) <a href="http://www.cga.ct.gov/2006/ACT/PA/2006PA-00033-R00HB-05843-PA.htm">http://www.cga.ct.gov/2006/ACT/PA/2006PA-00033-R00HB-05843-PA.htm</a> (Advisory Committee);<br><br>CGS §19a-32g(b) <a href="http://www.cga.ct.gov/2007/pub/Chap368a.htm#Sec19a-32g.htm">http://www.cga.ct.gov/2007/pub/Chap368a.htm#Sec19a-32g.htm</a> (Peer Review Committee)<br><br>Advisory and Peer Review Committee members sign conflict of interest form. | See <a href="http://www.ilga.gov/legislation/publicacts/fulltext.asp?Name=095-0519&amp;GA=095">http://www.ilga.gov/legislation/publicacts/fulltext.asp?Name=095-0519&amp;GA=095</a><br><br>All members of the scientific review in the past were from outside state. They were also screened for potential conflicts of interest. |    | TEDCO contracts with independent Peer Review consulting company to arrange peer review meetings and pre-review and post-review tasks.<br><br>Peer review members subject to COI standards at least as stringent as NIH's.<br><br>Maryland SC Commission adopted recusal guidelines for the Commission as well as for the Peer Review Committee members. | Members of the independent scientific peer review panel are screened for potential conflicts of interest. NJCST Commissioners are subject to State of New Jersey ethics, and/or NJCST ethics, and/or New Jersey Legislative ethics. | Members of the peer review panel may not reside or work in New York State and may not review an application when the funding decision may benefit the reviewer, his or her employer, relative, close associate, or any organization in which the reviewer, relative or close associate is an officer, director or partner; the reviewer has a professional relationship or shared financial interest with another reviewer or the applicant; or the reviewer is aware of any circumstances that could create the perception of a conflict. Similar provisions apply to members of the Board. | Information For Reviewers ( <a href="#">PDF</a> - 31 KB) or ( <a href="#">MS Word</a> - 36 KB)<br><br>NIH Pre-Review Certification Form - ( <a href="#">PDF</a> - 36 KB) or ( <a href="#">MS Word</a> - 72 KB)<br><br>NIH Post-Review Certification Form - ( <a href="#">PDF</a> - 22 KB) or ( <a href="#">MS Word</a> - 30 KB) |

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| <b>Confidentiality/<br/>Disclosures</b>           |      | Advisory and Peer Review Committee members sign nondisclosure form.  | See <a href="http://www.ilga.gov/legislation/publicacts/fulltext.asp?Name=095-0519&amp;GA=095">http://www.ilga.gov/legislation/publicacts/fulltext.asp?Name=095-0519&amp;GA=095</a> |  | Confidentiality Agreement required of all parties exposed to the grant applications.<br><br>Commission members review applications that have the PI and the institute/organization redacted when making their funding decisions.   |  | Reviewers subject to confidentiality requirements similar to NIH.  | See above.  |
| <b>Eligibility for Funding/<br/>Collaboration</b> |      | Any non-profit, tax-exempt academic institution of higher education, a hospital that conducts biomedical research, or any entity that conducts biomedical research or embryonic or human adult stem cell research. Must have its primary location in CT. <a href="http://www.ct.gov/dph/lib/dph/2007-08_Application.doc">http://www.ct.gov/dph/lib/dph/2007-08_Application.doc</a> |   | Certified MA-based life sciences companies. Life Sciences Company is defined as any business corporation, partnership, firm, unincorporated association or other entity engaged in life sciences research, development, manufacturing or commercialization in the commonwealth, and any affiliate thereof, which is, or the members of which are, subject to taxation. <a href="http://www.masslifesciences.com">http://www.masslifesciences.com</a><br><br>House No. 4554 | All Maryland-based organizations of all types are eligible for the Grants. Such organizations include public and private, for-profit and nonprofit, universities, colleges, research institutes, companies, medical centers and others.<br><br>Out-of-state companies can apply for funding pending a move to Maryland if awarded. | Entities eligible to apply include all New Jersey academic and non-profit institutions, as well as for-profit companies collaborating with non-profit organizations. | Eligibility is determined by the terms of the request for applications approved by the Funding Committee on a case by case basis. Collaboration with researchers from outside New York State has been permitted. | HESC: Criteria for federal funding of research on hESCs can be found at <a href="http://grants.nih.gov/grants/stem_cells.htm">http://grants.nih.gov/grants/stem_cells.htm</a> and at <a href="http://grants.nih.gov/grants/guide/notice-files/NOT-OD-02-005.html">http://grants.nih.gov/grants/guide/notice-files/NOT-OD-02-005.html</a><br><br>Only research using hESC lines that are registered in the NIH Human Embryonic Stem Cell Registry will be eligible for Federal funding (see <a href="http://escr.nih.gov">http://escr.nih.gov</a> ). |