

APPENDIX B REQUEST FOR PROPOSALS CONTENT AND REVISIONS 2006–2013

Yellow highlights represent new added wording from year to year.

Blue highlights show changed words or funding amounts.

Differences in SEED Grant Award Description in the Connecticut Stem Cell Research Program RFP from 2006 to 2013

The most significant edits to the SEED grant proposal description occurred in 2007 with additional edits in 2010 and 2012 as shown below. Funding allowances and timelines have not changed for Seed Grant Awards since 2006 to the present.

1. Edits were made in 2007 with the following additions shown as highlighted:

These awards are intended to support the early stages of projects that are not yet ready for larger scale funding whether from federal or nonfederal sources. Junior researchers in hospitals and companies are particularly encouraged to apply. In academic institutions, priority will be given to junior faculty members at the start of their independent careers. Established investigators new to stem cell research may apply for seed grants. Postdoctoral fellows, or equivalent, may apply with the support of a faculty sponsor or equivalent. A letter from the sponsor indicating support of the proposal must be included with the application and must describe the applicant's level of independence, as well as other resources/funding available for the project.

2. Another edit was made in 2010 adding the following highlighted words:

These awards are intended to support the early stages of projects that are not yet ready for larger scale funding whether from federal or nonfederal sources. Established investigators new to stem cell research or developing new research directions may apply for seed grants. Junior researchers in hospitals and companies are also encouraged to apply. In academic institutions, priority will be given to junior faculty members at the start of their independent careers. Postdoctoral fellows, or equivalent, may apply with the support of a faculty sponsor or equivalent. A letter from the sponsor indicating support of the proposal must be included with the application and must describe the applicant's level of independence, as well as other resources/funding available for the project.

3. Finally, the most recent edit was in 2012:

These awards are intended to support the early stages of projects that are not yet ready for larger scale funding whether from federal or nonfederal sources. Established investigators new to stem cell research or developing new research directions may apply for seed grants. Junior researchers in academic institutions, hospitals and companies are also encouraged to apply. In academic institutions, priority will be given to junior faculty members at the start of their independent careers. Postdoctoral fellows, or equivalent, may apply with the support of a faculty sponsor or equivalent. A letter from the sponsor indicating support of the proposal must be included with the application and must describe the applicant's level of independence, as well as other resources/funding available for the project.

SEED GRANT AWARDS	
Year	Description of Type of Award in RFP
2006	<p>These awards are intended to support the early stages of projects that are not yet ready for larger scale funding whether from federal or nonfederal sources. Priority will be given to junior faculty members at the start of their independent careers. Postdoctoral fellows, or equivalent, may apply with the support of a faculty sponsor or equivalent.</p> <p>Requested funding for a Seed Grant Award may be up to \$200,000 (including indirect costs) and may be expended over 2 years. The yearly budget must not exceed \$100,000. Project Descriptions for Seed Grant applications are limited to 5 pages (inclusive of the main text, methodology, figures and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."</p>
2007	<p>These awards are intended to support the early stages of projects that are not yet ready for larger scale funding whether from federal or nonfederal sources. Junior researchers in hospitals and companies are particularly encouraged to apply. In academic institutions, priority will be given to junior faculty members at the start of their independent careers. Established investigators new to stem cell research may apply for seed grants. Postdoctoral fellows, or equivalent, may apply with the support of a faculty sponsor or equivalent. A letter from the sponsor indicating support of the proposal must be included with the application and must describe the applicant's level of independence, as well as other resources/funding available for the project.</p> <p>Requested funding for a Seed Grant Award may be up to \$200,000 (including indirect costs) and may be expended over 2 years. The yearly budget must not exceed \$100,000. Project Descriptions for Seed Grant applications are limited to 5 pages (inclusive of the main text, methodology, figures and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."</p>
2008	<p>These awards are intended to support the early stages of projects that are not yet ready for larger scale funding whether from federal or nonfederal sources. Junior researchers in hospitals and companies are particularly encouraged to apply. In academic institutions, priority will be given to junior faculty members at the start of their independent careers. Established investigators new to stem cell research may apply for seed grants. Postdoctoral fellows, or equivalent, may apply with the support of a faculty sponsor or equivalent. A letter from the sponsor indicating support of the proposal must be included with the application and must describe the applicant's level of independence, as well as other resources/funding available for the project.</p> <p>Requested funding for a Seed Grant Award may be up to \$200,000 (including indirect costs) and may be expended over 2 years. The yearly budget must not exceed \$100,000. Project Descriptions for Seed Grant applications are limited to 5 pages (inclusive of the main text, methodology, figures and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."</p>

<p>2009</p>	<p>These awards are intended to support the early stages of projects that are not yet ready for larger scale funding whether from federal or nonfederal sources. Junior researchers in hospitals and companies are particularly encouraged to apply. In academic institutions, priority will be given to junior faculty members at the start of their independent careers. Established investigators new to stem cell research may apply for seed grants. Postdoctoral fellows, or equivalent, may apply with the support of a faculty sponsor or equivalent. A letter from the sponsor indicating support of the proposal must be included with the application and must describe the applicant’s level of independence, as well as other resources/funding available for the project.</p> <p>Requested funding for a Seed Grant Award may be up to \$200,000 (including indirect costs) and may be expended over 2 years. The yearly budget must not exceed \$100,000. Project Descriptions for Seed Grant applications are limited to 5 pages (inclusive of the main text, methodology, figures and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p>
<p>2010</p>	<p>These awards are intended to support the early stages of projects that are not yet ready for larger scale funding whether from federal or nonfederal sources. Established investigators new to stem cell research or developing new research directions may apply for seed grants. Junior researchers in hospitals and companies are also encouraged to apply. In academic institutions, priority will be given to junior faculty members at the start of their independent careers. Postdoctoral fellows, or equivalent, may apply with the support of a faculty sponsor or equivalent. A letter from the sponsor indicating support of the proposal must be included with the application and must describe the applicant’s level of independence, as well as other resources/funding available for the project.</p> <p>Requested funding for a Seed Grant Award may be up to \$200,000 (including indirect costs) and may be expended over 2 years. The yearly budget must not exceed \$100,000. Project Descriptions for Seed Grant applications are limited to 5 pages (inclusive of the main text, methodology, figures and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p>
<p>2011</p>	<p>These awards are intended to support the early stages of projects that are not yet ready for larger scale funding whether from federal or nonfederal sources. Established investigators new to stem cell research or developing new research directions may apply for seed grants. Junior researchers in hospitals and companies are also encouraged to apply. In academic institutions, priority will be given to junior faculty members at the start of their independent careers. Postdoctoral fellows, or equivalent, may apply with the support of a faculty sponsor or equivalent. A letter from the sponsor indicating support of the proposal must be included with the application and must describe the applicant’s level of independence, as well as other resources/funding available for the project.</p> <p>Requested funding for a Seed Grant Award may be up to \$200,000 (including indirect costs) and may be expended over 2 years. The yearly budget must not exceed \$100,000. Project Descriptions for Seed Grant applications are limited to 5 pages (inclusive of the main text, methodology, figures and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p>

2012	<p>These awards are intended to support the early stages of projects that are not yet ready for larger scale funding whether from federal or nonfederal sources. Established investigators new to stem cell research or developing new research directions may apply for seed grants. Junior researchers in academic institutions, hospitals and companies are also encouraged to apply. In academic institutions, priority will be given to junior faculty members at the start of their independent careers. Postdoctoral fellows, or equivalent, may apply with the support of a faculty sponsor or equivalent. A letter from the sponsor indicating support of the proposal must be included with the application and must describe the applicant’s level of independence, as well as other resources/funding available for the project.</p> <p>Requested funding for a Seed Grant Award may be up to \$200,000 (including indirect costs) and may be expended over 2 years. The yearly budget must not exceed \$100,000. Project Descriptions for Seed Grant applications are limited to 5 pages (inclusive of the main text, methodology, figures and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p>
2013	<p>These awards are intended to support the early stages of projects that are not yet ready for larger scale funding whether from federal or nonfederal sources. Established investigators new to stem cell research or developing new research directions may apply for seed grants. Junior researchers in academic institutions, hospitals and companies are also encouraged to apply. In academic institutions, priority will be given to junior faculty members at the start of their independent careers. Postdoctoral fellows, or equivalent, may apply with the support of a faculty sponsor or equivalent. A letter from the sponsor indicating support of the proposal must be included with the application and must describe the applicant’s level of independence, as well as other resources/funding available for the project.</p> <p>Requested funding for a Seed Grant Award may be up to \$200,000 (including indirect costs) and may be expended over 2 years. The yearly budget must not exceed \$100,000. Project Descriptions for Seed Grant applications are limited to 5 pages (inclusive of the main text, methodology, figures and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p>

Differences in Established Investigator Award Description in the Connecticut Stem Cell Research Program RFP from 2006 to 2013

The main differences in the description of Established Investigator Grant Proposals are changes in the amount of the requested funding allowed.

1. While the allowable timeline for Established Investigator Awards has remained at 4 years, the following funding allowance changes were made:
 - 2006, \$1 million
 - 2007, \$500,000 (and the same in 2008, 2009)
 - 2010, \$1 million
 - 2011, \$750,000 (and the same in 2012, 2013)

2. The words “peer reviewed” were added in 2007 to the description in the first sentence:

*These awards are intended for investigators with a track record of independent research including prior grant support and regular **peer reviewed** publications.*

ESTABLISHED INVESTIGATOR	
Year	Description of Type of Award in RFP
2006	<p>These awards are intended for investigators with a track record of independent research including prior grant support and regular publications.</p> <p>Requested funding for an Established Investigator Award may be up to \$1 million (including indirect costs) and may be expended over 4 years. Funding is encouraged to be evenly budgeted over the duration of the award. Project Descriptions for Established Investigator applications are limited to 10 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."</p>
2007	<p>These awards are intended for investigators with a track record of independent research including prior grant support and regular peer reviewed publications.</p> <p>Requested funding for an Established Investigator Award may be up to \$500,000 (including indirect costs) and may be expended over 4 years. Funding is encouraged to be evenly budgeted over the duration of the award. Project Descriptions for Established Investigator applications are limited to 10 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."</p>
2008	<p>These awards are intended for investigators with a track record of independent research including prior grant support and regular peer reviewed publications.</p> <p>Requested funding for an Established Investigator Award may be up to \$500,000 (including indirect costs) and may be expended over 4 years. Funding is encouraged to be evenly budgeted over the duration of the award. Project Descriptions for Established Investigator applications are limited to 10 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."</p>
2009	<p>These awards are intended for investigators with a track record of independent research including prior grant support and regular peer reviewed publications.</p> <p>Requested funding for an Established Investigator Award may be up to \$500,000 (including indirect costs) and may be expended over 4 years. Funding is encouraged to be evenly budgeted over the duration of the award. Project Descriptions for Established Investigator applications are limited to 10 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."</p>

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<p>2010</p>	<p>These awards are intended for investigators with a track record of independent research including prior grant support and regular peer reviewed publications.</p> <p>Requested funding for an Established Investigator Award may be up to \$1,000,000 (including indirect costs) and may be expended over 4 years. Funding is encouraged to be evenly budgeted over the duration of the award. Project Descriptions for Established Investigator applications are limited to 10 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."</p>
<p>2011</p>	<p>These awards are intended for investigators with a track record of independent research including prior grant support and regular peer reviewed publications.</p> <p>Requested funding for an Established Investigator Award may be up to \$750,000 (including indirect costs) and may be expended over 4 years. Funding is encouraged to be evenly budgeted over the duration of the award. Project Descriptions for Established Investigator applications are limited to 10 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."</p>
<p>2012</p>	<p>These awards are intended for investigators with a track record of independent research including prior grant support and regular peer reviewed publications.</p> <p>Requested funding for an Established Investigator Award may be up to \$750,000 (including indirect costs) and may be expended over 4 years. Funding is encouraged to be evenly budgeted over the duration of the award. Project Descriptions for Established Investigator applications are limited to 10 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."</p>
<p>2013</p>	<p>These awards are intended for investigators with a track record of independent research including prior grant support and regular peer reviewed publications.</p> <p>Requested funding for an Established Investigator Award may be up to \$750,000 (including indirect costs) and may be expended over 4 years. Funding is encouraged to be evenly budgeted over the duration of the award. Project Descriptions for Established Investigator applications are limited to 10 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."</p>

Differences in Group Project Awards Description in the Connecticut Stem Cell Research Program RFP from 2006 to 2013

There were some key changes in the description of the Group Project proposals.

1. In 2007, the funding request allowed decreased to \$2 million from \$4 million in 2006. Some minor word changes were made as shown in the table below.
2. In 2007, the words “hospital or company” were added to the description, elaborating on the word “institutions.”
3. In 2010, the words “especially basic or clinical” were added to the about projects that would be given priority.
4. In 2011, significant wording was added to the description and Disease Directed Group Projects were identified as a type of potential project with a requested funding allowance of \$2 million. While “regular” Group Project awards were allotted \$1.5 million. See below:
 - a. Requested funding for a **Disease Directed Collaboration** Group Project Award may be up to \$2 million (including indirect costs) and may be budgeted for up to 4 years. Descriptions for Group Project applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”
 - b. Requested funding for a Group Project Award may be up to \$1.5 million (including indirect costs) and may be budgeted for up to 4 years. Descriptions for Group Project applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”
5. Also in 2011 the following note was added: **NOTE: TWO separate types of Group Project Awards are available although priority will be given to those involving disease directed collaboration.** In 2012, the content of this note was incorporated into the first paragraph of the description and remains thus.
6. In 2012, the content of the first paragraph remained the same (apart from the note that was incorporated as mentioned above in #5); however it was reorganized for better flow.
7. NOTE: THERE ARE NOTES PERTAINING TO GROUP PROJECT AWARDS IN THE DESCRIPTION OF THE CORE FACILITIES AWARDS. SEE NEXT SECTION

GROUP PROJECT AWARDS	
Year	Description of Type of Award in RFP
2006	<p>These awards are intended to support coordinated approaches to ambitious strategic goals that are beyond the scope of a typical single laboratory. Priority will be given to projects involving collaboration across disciplines and/or institutions, and proposals should include explanations of the need for collaboration, along with plans for managing the collaborative process, including division of responsibilities among collaborators and timelines for achieving expected project milestones. If more than one institution is involved, the proposed budget must specify how funding is to be distributed between collaborating institutions. As with other grants, eligibility for funding is restricted to researchers at CT institutions. Group Projects may have multiple co-principal investigators, but one individual must be identified as the lead investigator and primary contact with the Connecticut Stem Cell Research Program.</p> <p>Requested funding for a Group Project Award may be up to \$4 million (including indirect costs) and may be budgeted for up to 4 years. Project Descriptions for Group Project applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."</p>
2007	<p>These awards are intended to support coordinated approaches to ambitious strategic goals that are beyond the scope of a typical single laboratory. Priority will be given to projects involving collaboration across disciplines and/or institutions, and proposals should include explanations of the need for collaboration, along with plans for managing the collaborative process, including division of responsibilities among collaborators and timelines for achieving expected project milestones. If more than one institution, hospital or company is involved, the proposed budget must specify how funding is to be distributed between collaborating entities. As with other grants, eligibility for funding is restricted to researchers at CT institutions, hospitals or companies. Group Projects may have multiple co-principal investigators, but one individual must be identified as the lead investigator and primary contact with the Connecticut Stem Cell Research Program.</p> <p>Requested funding for a Group Project Award may be up to \$2 million (including indirect costs) and may be budgeted for up to 4 years. Descriptions for Group Project applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."</p>
2008	<p>These awards are intended to support coordinated approaches to ambitious strategic goals that are beyond the scope of a typical single laboratory. Priority will be given to projects involving collaboration across disciplines and/or institutions, and proposals should include explanations of the need for collaboration, along with plans for managing the collaborative process, including division of responsibilities among collaborators and timelines for achieving expected project milestones. If more than one institution, hospital or company is involved, the proposed budget must specify how funding is to be distributed between collaborating entities. As with other grants, eligibility for funding is restricted to researchers at CT institutions, hospitals or companies. Group Projects may have multiple co-principal investigators, but one individual must be identified as the lead investigator and primary contact with the Connecticut Stem Cell Research Program.</p>

	<p>Requested funding for a Group Project Award may be up to \$2 million (including indirect costs) and may be budgeted for up to 4 years. Descriptions for Group Project applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p>
2009	<p>These awards are intended to support coordinated approaches to ambitious strategic goals that are beyond the scope of a typical single laboratory. Priority will be given to projects involving collaboration across disciplines and/or institutions, and proposals should include explanations of the need for collaboration, along with plans for managing the collaborative process, including division of responsibilities among collaborators and timelines for achieving expected project milestones. If more than one institution, hospital or company is involved, the proposed budget must specify how funding is to be distributed between collaborating entities. As with other grants, eligibility for funding is restricted to researchers at Connecticut institutions, hospitals or companies. Group Projects may have multiple co-principal investigators, but one individual must be identified as the lead investigator and primary contact with the Connecticut Stem Cell Research Program.</p> <p>Requested funding for a Group Project Award may be up to \$2 million (including indirect costs) and may be budgeted for up to 4 years. Descriptions for Group Project applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p>
2010	<p>These awards are intended to support coordinated approaches to ambitious strategic goals that are beyond the scope of a typical single laboratory. Priority will be given to projects involving collaboration, especially basic and clinical, across disciplines and/or institutions. Proposals should include explanations of the need for collaboration, along with plans for managing the collaborative process, including division of responsibilities among collaborators and timelines for achieving expected project milestones. If more than one institution, hospital or company is involved, the proposed budget must specify how funding is to be distributed between collaborating entities. As with other grants, eligibility for funding is restricted to researchers at Connecticut institutions, hospitals or companies. Group Projects may have multiple co-principal investigators, but one individual must be identified as the lead investigator and primary contact with the Connecticut Stem Cell Research Program.</p> <p>Requested funding for a Group Project Award may be up to \$2 million (including indirect costs) and may be budgeted for up to 4 years. Descriptions for Group Project applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p>
2011	<p>These awards are intended to support coordinated approaches to ambitious strategic goals that are beyond the scope of a typical single laboratory. Priority will be given to projects involving disease directed collaborative arrangements between industry (e.g., biotechnology and pharmaceutical companies), medical centers and academic institutions, with the intention of beginning Federal Food & Drug Administration review within four years of the awarding of the grant. Proposals should include explanations of the need for collaboration, along with plans for managing the collaborative process, including division of responsibilities among collaborators and timelines for achieving expected project milestones. If more than one institution,</p>

	<p>hospital or company is involved, the proposed budget must specify how funding is to be distributed between collaborating entities. As with other grants, eligibility for funding is restricted to researchers at Connecticut institutions, hospitals or companies. Group Projects may have multiple co-principal investigators, but one individual must be identified as the lead investigator and primary contact with the Connecticut Stem Cell Research Program.</p> <p>a. Requested funding for a Disease Directed Collaboration Group Project Award may be up to \$2 million (including indirect costs) and may be budgeted for up to 4 years. Descriptions for Group Project applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p> <p>b. Requested funding for a Group Project Award may be up to \$1.5 million (including indirect costs) and may be budgeted for up to 4 years. Descriptions for Group Project applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p> <p>NOTE: TWO separate types of Group Project Awards are available although priority will be given to those involving disease directed collaboration.</p>
2012	<p>These awards are intended to support coordinated approaches to ambitious strategic goals that are beyond the scope of a typical single laboratory. Proposals should include explanations of the need for collaboration, along with plans for managing the collaborative process, including division of responsibilities among collaborators and timelines for achieving expected project milestones. If more than one institution, hospital or company is involved, the proposed budget must specify how funding is to be distributed between collaborating entities. As with other grants, eligibility for funding is restricted to researchers at Connecticut institutions, hospitals or companies. Group Projects may have multiple co-principal investigators, but one individual must be identified as the lead investigator and primary contact with the Connecticut Stem Cell Research Program. Two separate types of Group Project Awards are available. Priority will be given to projects involving disease directed collaborative arrangements between industry (e.g., biotechnology and pharmaceutical companies), medical centers and academic institutions, with the intention of beginning Federal Food & Drug Administration review within four years of the awarding of the grant. <i>This paragraph was also reorganized.</i></p> <p>a. Requested funding for a Disease Directed Collaboration Group Project Award may be up to \$2 million (including indirect costs) and may be budgeted for up to 4 years. Descriptions for Group Project applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p> <p>b. Requested funding for a Group Project Award may be up to \$1.5 million (including indirect costs) and may be budgeted for up to 4 years. Descriptions for Group Project applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p>
2013	<p>These awards are intended to support coordinated approaches to ambitious strategic goals that are beyond the scope of a typical single laboratory. Proposals should include explanations of the need for collaboration, along with plans for managing the collaborative process, including division of responsibilities among collaborators and</p>

<p>timelines for achieving expected project milestones. If more than one institution, hospital or company is involved, the proposed budget must specify how funding is to be distributed between collaborating entities. As with other grants, eligibility for funding is restricted to researchers at Connecticut institutions, hospitals or companies. Group Projects may have multiple co-principal investigators, but one individual must be identified as the lead investigator and primary contact with the Connecticut Stem Cell Research Program. Two separate types of Group Project Awards are available. Priority will be given to projects involving disease directed collaborative arrangements between industry (e.g., biotechnology and pharmaceutical companies), medical centers and academic institutions, with the intention of beginning Federal Food & Drug Administration review within four years of the awarding of the grant.</p> <ol style="list-style-type: none">a. Requested funding for a Disease Directed Collaboration Group Project Award may be up to \$2 million (including indirect costs) and may be budgeted for up to 4 years. Descriptions for Group Project applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."b. Requested funding for a Group Project Award may be up to \$1.5 million (including indirect costs) and may be budgeted for up to 4 years. Descriptions for Group Project applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."

Differences in Core Facilities Awards Description in the Connecticut Stem Cell Research Program RFP from 2006 to 2013

In 2007 the description of the Core Facilities Awards was re-written and the amount of funding available decreased. The next most significant changes occurred in 2010 when it was noted that Core funding was not a priority in that year. Changes from year to year are as followed:

1. Funding decreased from \$5 million in 2006 to \$2.5 million in 2007 and remained at \$2.5 million in subsequent years until 2012 when funding decreased again to \$1 million to be budgeted over a 2-year period (rather than 4 years as was the case in all prior years). In 2013 funding is again set for \$1 million over 2 years.
2. The edits in the 2007 RFP involve wording that addresses applications in “support of already established cores.” Language was added to clarify what previously funded cores needed to provide in their applications:
 - *Previously funded cores should provide specific details in their budget justification about the necessity of additional funding, including explanation of how new and existing funding will be integrated without overlap*
3. Also added in 2007 was a note regarding the request of startup funds for investigators yet to be hired. The note clarifies the level of detail that must be included in the application in order to justify the hiring request.
4. The next significant change occurred in 2010 when it was noted that:
 - *Core funding is not a priority for this round of funding. Some additional core funding may be considered for applications with novel or unusual scientific merit.*
5. The same note about core funding not being a priority was included in 2011 but is absent from the 2012 and 2013 descriptions.
6. In 2012 the following language was added regarding a plan for future funding for existing cores:
 - *Additionally, a plan for each existing core to attain future funding from sources other than the state of Connecticut must be noted in the budget justification section of the proposal.*
7. Another key change in 2012 this note:
 - *For this round of funding, total available funding for Core Facilities Awards will not exceed \$ 1 million.*
8. Content in the 2013 description was reorganized but no appreciable changes were made.

CORE FACILITIES AWARDS	
Year	Description of Type of Award in RFP
2006	<p>These awards are intended to provide shared core facilities for stem cell researchers at eligible CT institutions, as defined by statute. Priority will be given to cores that are beyond the means of most individual labs, that will be made widely accessible to the CT stem cell research community, and that are likely to advance stem cell research throughout the state. Proposals must include an explanation of the need for the core, along with estimates of likely capacity and usage. Priority will also be given to applicants with a proven expertise in the relevant technology and ability to provide a high quality service. Funds may be used to cover equipment, salaries or other costs associated with establishing and operating cores. Cores will also be allowed to establish a reasonable fee-for-service schedule in order to recover additional costs associated with their operation. Proposed fees must be specified and approved by the institution.</p> <p>Requested funding for a Core Facilities Award may be up to \$5 million (including indirect costs) and may be expended over 4 years. Project Descriptions for Core Facilities applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p> <p><i>Note: Group Project Awards may include shared core equipment as part of their budget. Core Facility Awards are distinct, however, in that they are intended specifically to provide services to the wider Connecticut research community, rather than being restricted to participants in a specific collaborative project or to members of the host institution.</i></p>
2007	<p>These awards are intended to provide shared core facilities for stem cell researchers at eligible Connecticut institutions, hospitals or companies. Applications will be considered for additional support of already established cores and for new cores that are beyond the means of most individual labs, that will be made widely accessible to the CT stem cell research community, and that are likely to advance stem cell research throughout the state. Proposals must include an explanation of the need for a new core or expansion of an existing core, along with estimates of likely capacity and usage. Previously funded cores should provide specific details in their budget justification about the necessity of additional funding, including explanation of how new and existing funding will be integrated without overlap. Applicants should demonstrate a proven expertise in the relevant technology and ability to provide a high quality service. Funds may be used to cover equipment, salaries or other costs associated with establishing and operating cores. Cores will also be allowed to establish a reasonable fee-for-service schedule in order to recover additional costs associated with their operation. Proposed fees must be specified and approved by the institution, hospital or company.</p> <p>Requested funding for a Core Facilities Award may be up to \$2.5 million (including indirect costs) and may be budgeted for up to 4 years. Project Descriptions for Core Facilities applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p> <p><i>Note: Group Project Awards may include shared equipment as part of their budget. Core Facility Awards are distinct, however, in that they are intended specifically to provide services to the wider Connecticut research community, rather than being</i></p>

	<p><i>restricted to participants in a specific collaborative project or to members of the host institution, hospital or company.</i></p> <p>Note: Group Project Awards and Core Facilities Awards may under special cases include startup funds for investigators yet to be hired. Such proposals require detailed justification, including the identification of the person to be hired <i>and</i> a detailed description of his/her contribution to the specific project. Release of funds will be contingent on the investigator accepting and taking up the position. Justification must include the need for additional recruitment and an explanation of how the funding will be used to support the overall goals of the project. Funds may not be used for general research infrastructure not directly related to the goals of the Connecticut Stem Cell Research Grants Program.</p>
2008	<p>These awards are intended to provide shared core facilities for stem cell researchers at eligible Connecticut institutions, hospitals or companies.</p> <p>Applications will be considered for additional support of already established cores and for new cores that are beyond the means of most individual labs, that will be made widely accessible to the CT stem cell research community, and that are likely to advance stem cell research throughout the state. Proposals must include an explanation of the need for a new core or expansion of an existing core, along with estimates of likely capacity and usage. Previously funded cores should provide specific details in their budget justification about the necessity of additional funding, including explanation of how new and existing funding will be integrated without overlap.</p> <p>Applicants should demonstrate a proven expertise in the relevant technology and ability to provide a high quality service. Funds may be used to cover equipment, salaries or other costs associated with establishing and operating cores. Cores will also be allowed to establish a reasonable fee-for-service schedule in order to recover additional costs associated with their operation. Proposed fees must be specified and approved by the institution, hospital or company.</p> <p>Requested funding for a Core Facilities Award may be up to \$2.5 million (including indirect costs) and may be budgeted for up to 4 years. Project Descriptions for Core Facilities applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p> <p>Note: Group Project Awards may include shared equipment as part of their budget. Core Facility Awards are distinct, however, in that they are intended specifically to provide services to the wider Connecticut research community, rather than being restricted to participants in a specific collaborative project or to members of the host institution, hospital or company.</p> <p>Note: Group Project Awards and Core Facilities Awards may under special cases include startup funds for investigators yet to be hired. Such proposals require detailed justification, including the identification of the person to be hired <i>and</i> a detailed description of his/her contribution to the specific project. Release of funds will be contingent on the investigator accepting and taking up the position. Justification must include the need for additional recruitment and an explanation of how the funding will be used to support the overall goals of the project. Funds may not be used for general research infrastructure not directly related to the goals of the Connecticut Stem Cell Research Grants Program.</p>

2009	<p>These awards are intended to provide shared core facilities for stem cell researchers at eligible Connecticut institutions, hospitals or companies.</p> <p>Applications will be considered for additional support of already established cores and for new cores that are beyond the means of most individual labs, that will be made widely accessible to the Connecticut stem cell research community, and that are likely to advance stem cell research throughout the State. Proposals must include an explanation of the need for a new core or expansion of an existing core, along with estimates of likely capacity and usage. Previously funded cores should provide specific details in their budget justification about the necessity of additional funding; including explanation of how new and existing funding will be integrated without overlap.</p> <p>Applicants should demonstrate a proven expertise in the relevant technology and ability to provide a high quality service. Funds may be used to cover equipment, salaries or other costs associated with establishing and operating cores. Cores will also be allowed to establish a reasonable fee-for-service schedule in order to recover additional costs associated with their operation. Proposed fees must be specified and approved by the institution, hospital or company.</p> <p>Requested funding for a Core Facilities Award may be up to \$2.5 million (including indirect costs) and may be budgeted for up to 4 years. Project Descriptions for Core Facilities applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."</p> <p><i>Note: Group Project Awards may include shared equipment as part of their budget. Core Facility Awards are distinct, however, in that they are intended specifically to provide services to the wider Connecticut research community, rather than being restricted to participants in a specific collaborative project or to members of the host institution, hospital or company.</i></p> <p><i>Note: Group Project Awards and Core Facilities Awards may under special cases include startup funds for investigators yet to be hired. Such proposals require detailed justification, including the identification of the person to be hired and a detailed description of his/her contribution to the specific project. Release of funds will be contingent on the investigator accepting and taking up the position. Justification must include the need for additional recruitment and an explanation of how the funding will be used to support the overall goals of the project. Funds may not be used for general research infrastructure not directly related to the goals of the Connecticut Stem Cell Research Grants Program.</i></p>
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<p>2010</p>	<p>These awards are intended to provide shared core facilities for stem cell researchers at eligible Connecticut institutions, hospitals or companies. Core funding is not a priority for this round of funding. Some additional core funding may be considered for applications with novel or unusual scientific merit.</p> <p>Applications will be considered for additional support for expansion or enhancement of already established cores that will be made widely accessible to the Connecticut stem cell research community, and that are likely to advance stem cell research throughout the State. Proposals must include an explanation of the need for a new core or expansion of an existing core, along with estimates of likely capacity and usage. Previously funded cores should provide specific details in their budget justification about the necessity of additional funding; including explanation of how new and existing funding will be integrated without overlap. Applicants should demonstrate a proven expertise in the relevant technology and ability to provide a high quality service. Funds may be used to cover equipment, salaries or other costs associated with establishing and operating cores. Cores will also be allowed to establish a reasonable fee-for-service schedule in order to recover additional costs associated with their operation. Proposed fees must be specified and approved by the institution, hospital or company.</p> <p>Requested funding for a Core Facilities Award may be up to \$2.5 million (including indirect costs) and may be budgeted for up to 4 years. Project Descriptions for Core Facilities applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p> <p><i>Note: Group Project Awards may include shared equipment as part of their budget. Core Facility Awards are distinct, however, in that they are intended specifically to provide services to the wider Connecticut research community, rather than being restricted to participants in a specific collaborative project or to members of the host institution, hospital or company.</i></p> <p><i>Note: Group Project Awards and Core Facilities Awards may under special cases include startup funds for investigators yet to be hired. Such proposals require detailed justification, including the identification of the person to be hired and a detailed description of his/her contribution to the specific project. Release of funds will be contingent on the investigator accepting and taking up the position. Justification must include the need for additional recruitment and an explanation of how the funding will be used to support the overall goals of the project. Funds may not be used for general research infrastructure not directly related to the goals of the Connecticut Stem Cell Research Grants Program.</i></p>
<p>2011</p>	<p>These awards are intended to provide shared core facilities for stem cell researchers at eligible Connecticut institutions, hospitals or companies. Core funding is not a priority for this round of funding. Some additional core funding may be considered for applications with novel or unusual scientific merit.</p> <p>Applications will be considered for additional support for expansion or enhancement of already established cores that will be made widely accessible to the Connecticut stem cell research community, and that are likely to advance stem cell research throughout the State. Proposals must include an explanation of the need for a new core or expansion of an existing core, along with estimates of likely capacity and usage. Previously funded cores should provide specific details in their budget</p>

<p>justification about the necessity of additional funding; including explanation of how new and existing funding will be integrated without overlap. Applicants should demonstrate a proven expertise in the relevant technology and ability to provide a high quality service. Funds may be used to cover equipment, salaries or other costs associated with establishing and operating cores. Cores will also be allowed to establish a reasonable fee-for-service schedule in order to recover additional costs associated with their operation. Proposed fees must be specified and approved by the institution, hospital or company.</p> <p>Requested funding for a Core Facilities Award may be up to \$2.5 million (including indirect costs) and may be budgeted for up to 4 years. Project Descriptions for Core Facilities applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."</p> <p><i>Note: Group Project Awards may include shared equipment as part of their budget. Core Facility Awards are distinct, however, in that they are intended specifically to provide services to the wider Connecticut research community, rather than being restricted to participants in a specific collaborative project or to members of the host institution, hospital or company.</i></p> <p><i>Note: Group Project Awards and Core Facilities Awards may under special cases include startup funds for investigators yet to be hired. Such proposals require detailed justification, including the identification of the person to be hired and a detailed description of his/her contribution to the specific project. Release of funds will be contingent on the investigator accepting and taking up the position. Justification must include the need for additional recruitment and an explanation of how the funding will be used to support the overall goals of the project. Funds may not be used for general research infrastructure not directly related to the goals of the Connecticut Stem Cell Research Grants Program.</i></p>
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2012	<p>These awards are intended to provide shared core facilities for stem cell researchers at eligible Connecticut institutions, hospitals or companies.</p> <p>Applications will be considered for additional support for new technology development or to sustain the works in progress at the core facilities, already established with the support of core grant funding under the Stem Cell Research Program grants-in-aid funding, which are to be made widely accessible to the Connecticut stem cell research community, and that are likely to advance stem cell research throughout the State.</p> <p>Proposals must include an explanation of the need for the continued support for the existing core facility, along with estimates of likely capacity and usage. Previously funded cores should provide specific details in their budget justification about the necessity of additional funding; including explanation of how new and existing funding will be integrated without overlap. Additionally, a plan for each existing core to attain future funding from sources other than the state of Connecticut must be noted in the budget justification section of the proposal. Applicants should demonstrate a proven expertise in the relevant technology and ability to provide a high quality service. Funds may be used to cover equipment, salaries or other costs associated with establishing and operating cores. Cores will also be allowed to establish a reasonable fee-for-service schedule in order to recover additional costs associated with their operation. Proposed fees must be specified and approved by the institution, hospital or company. For this round of funding, total available funding for Core Facilities Awards will not exceed \$ 1 million.</p> <p>Requested funding for a Core Facilities Award may be up to \$1 million (including indirect costs) and may be budgeted for up to 2 years. Project Descriptions for Core Facilities applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p> <p><i>Note: Group Project Awards may include shared equipment as part of their budget. Core Facility Awards are distinct, however, in that they are intended specifically to provide services to the wider Connecticut research community, rather than being restricted to participants in a specific collaborative project or to members of the host institution, hospital or company.</i></p> <p><i>Note: Group Project Awards and Core Facilities Awards may under special cases include startup funds for investigators yet to be hired. Such proposals require detailed justification, including the identification of the person to be hired and a detailed description of his/her contribution to the specific project. Release of funds will be contingent on the investigator accepting and taking up the position. Justification must include the need for additional recruitment and an explanation of how the funding will be used to support the overall goals of the project. Funds may not be used for general research infrastructure not directly related to the goals of the Connecticut Stem Cell Research Grants Program.</i></p>
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2013	<p>These awards are intended to provide shared core facilities for stem cell researchers at eligible Connecticut institutions, hospitals or companies. Applications will be considered for additional support for new technology development or to sustain the works in progress at the core facilities, already established with the support of core grant funding under the Stem Cell Research Program grants-in-aid funding, which are to be made widely accessible to the Connecticut stem cell research community, and that are likely to advance stem cell research throughout the State. Proposals must include an explanation of the need for the continued support for the existing core facility, along with estimates of likely capacity and usage. Previously funded cores should provide specific details in their budget justification about the necessity of additional funding; including explanation of how new and existing funding will be integrated without overlap. Additionally, a plan for each existing core to attain future funding from sources other than the state of Connecticut must be noted in the budget justification section of the proposal.</p> <p>Applicants should demonstrate a proven expertise in the relevant technology and ability to provide a high quality service. Funds may be used to cover equipment, salaries or other costs associated with establishing and operating cores. Cores will also be allowed to establish a reasonable fee-for-service schedule in order to recover additional costs associated with their operation. Proposed fees must be specified and approved by the institution, hospital or company.</p> <p>For this round of funding, total available funding for Core Facilities Awards will not exceed \$ 1 million. Requested funding for a Core Facilities Award may be up to \$1 million (including indirect costs) and may be budgeted for up to 2 years. Project Descriptions for Core Facilities applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under "Guidelines for Preparation of Proposals."</p> <p><i>Note: Group Project Awards may include shared equipment as part of their budget. Core Facility Awards are distinct, however, in that they are intended specifically to provide services to the wider Connecticut research community, rather than being restricted to participants in a specific collaborative project or to members of the host institution, hospital or company.</i></p> <p><i>Note: Group Project Awards and Core Facilities Awards may under special cases include startup funds for investigators yet to be hired. Such proposals require detailed justification, including the identification of the person to be hired and a detailed description of his/her contribution to the specific project. Release of funds will be contingent on the investigator accepting and taking up the position. Justification must include the need for additional recruitment and an explanation of how the funding will be used to support the overall goals of the project. Funds may not be used for general research infrastructure not directly related to the goals of the Connecticut Stem Cell Research Grants Program.</i></p>
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Differences in Hybrid Awards Description in the Connecticut Stem Cell Research Program RFP from 2006 to 2013

Hybrid Awards are described in the 2006 RFP but not in subsequent RFPs.

HYBRID AWARDS	
Year	Description of Type of Award in RFP
2006	<p>Applicants may choose to submit ‘hybrid’ applications that include elements from both Group Projects (category 3) and Core Facilities (category 4). As with Group Projects, such Hybrid applications may have multiple co-principal investigators, but one individual must be identified as the lead investigator and primary contact with the Connecticut Stem Cell Research Grants Program.</p> <p>Requested funding for a Hybrid Award may be up to \$5 million (including indirect costs) and may be expended over 4 years. Project Descriptions for Hybrid applications are limited to 50 pages (inclusive of the main text, methodology, figures, and legends). Other proposal requirements are described under “Guidelines for Preparation of Proposals.”</p> <p><i>Note: Group Project or Hybrid Awards may under special cases include startup funds for identified faculty members yet to be hired. Such proposals require detailed justification, including the identification of the person to be hired and a detailed description of his/her contribution to the specific project. Release of funds will be contingent on the faculty member accepting and taking up the position. Justification must include the need for additional recruitment and an explanation of how the funding will be used to support the overall goals of the project. Funds may not be used for general research infrastructure not directly related to the goals of the Connecticut Stem Cell Research Grants Program.</i></p>
2007	Not listed.
2008	Not listed.
2009	Not listed.
2010	Not listed.
2011	Not listed.
2012	Not listed.
2013	Not listed.