

Society of Chest Pain Centers Research Award

Before submitting your application, please be sure that the following items have been addressed:

- Information page is fully completed and included as the first page of the application packet
- Table of Contents is included in the application packet and is adhered to strictly
- Type size is no smaller than 15 characters per inch (use 12-pt. font if you are unsure)
- Evidence of IRB approval, or at least evidence of submission to IRB, from each institution, is included in application packet (for multi-centered studies, approval from or evidence of submission to IRB for all sites is required)
- Clearly stated research hypothesis
- Letter of support from your Department Chair is included in application packet
- Letter of support from each co-investigator is included in application packet
- Budget and budget justification included in the application packet
- Other grant support for all investigators is included in application packet

Society of Chest Pain Centers Research Award

2011-2012

Page	Contents
3-5	General Information
6-8	Application Instructions
9-10	Statement of Conditions Governing Research Grant
11	Title Page
12	Abstract
13	Table of Contents
14	Continuation Format Page
15-16	Biographical Sketch Page
17	Resources Format Page
18	Form Page 4: Detailed Budget for Initial Budget Period Download off of the NIH website.

Society of Chest Pain Centers Research Award

GENERAL INFORMATION

2011-2012

Deadline for receipt of application: January 6, 2012
Notification of award: May 2012
Funding: July 1, 2012 - June 30, 2013

INTRODUCTION

The Society of Chest Pain Centers Research Award has been created to support clinical research in the areas of acute care of patients with chest pain, heart failure and atrial fibrillation.

The Research Award program awards two \$10,000 grants for research conducted over a one-year period.

PURPOSE OF THE SOCIETY OF CHEST PAIN CENTERS RESEARCH AWARD

This request for proposals specifically seeks research related to the topic of acute care of chest pain, heart failure and atrial fibrillation patients. Proposals may focus on a number of related areas, including: definitions and outcome measures of these patients, diagnostic strategies, and potential solutions to the systematic challenges of evaluating these patients.

Priority will be given to applications that address the following areas

1. Novel diagnostic strategies in evaluating patients with chest pain of unclear etiology
2. Heart failure management in an observation setting
3. Patients presenting with atrial fibrillation

ELIGIBILITY

Applications will be accepted from any healthcare professional.

INSTITUTIONAL SUPPORT

The applicants must demonstrate that access to a suitable caseload, patient population or database will be available for study during the funding period and provide evidence that the research proposed can be completed within the one-year funding period. The applicants must submit letters of support from their director/chair. **Research involving human subjects must be approved by the institutional review board (IRB), or its equivalent. IRB approval must be documented prior to disbursement of funds.**

EVALUATION OF APPLICATIONS

The review committee will comprise members of the Research Committee of the Society of Chest Pain Centers who are actively involved in clinical research. Each application will be judged according to 1) significance to the topic, 2) the scientific merit, methodology and originality of the research project, 3) appropriateness of budget, and 4) the documented willingness of the sponsoring institution to provide the necessary facilities and support to complete the project as described. Feasibility may be enhanced by inclusion of appropriate hospital administrative leaders. Purely descriptive projects or surveys are unlikely to be successful. Preliminary data from the research institution is highly encouraged. All decisions are final.

TERMS OF THE AWARD

Limitations on Awards

Funds may be used for materials, supplies, services (e.g., respiratory therapy, statistical consultation), or to provide salary support for ancillary staff (e.g., technicians, data collectors). Capital equipment expenditures (costs greater than \$500 and with a life of over one year) must be justified in the budget. Payments will be made to the principal investigator's institution that will be responsible for administering the funds. The Society of Chest Pain Centers will not be responsible for institutional overhead, cost for publications, travel, renovations, or secretarial support. Detailed audited financial reports may be required. The Society of Chest Pain Centers is not responsible for funds necessary for the project's completion that are in excess of the grant award.

Extension of Grant Period

In unusual circumstances, arrangements can be made for an extension of an award. Such a request must be made by the principal investigator at least 60 days before the expiration date of the award. This request must be made in writing, specify reasons for requesting the extension, and state a new expiration date. Project extensions of greater than six months will not be considered.

Change of Status of Designated Principal Investigators

If the principal investigators change affiliations or cease research in the field for which the award was made, the award will terminate and the remaining balance will be returned to the Society of Chest Pain Centers.

Location of Work

Awards are for investigations in the United States at an accredited medical school or medical center.

Liability of the Society of Chest Pain Centers

The Society of Chest Pain Centers assumes no financial liability for patient care responsibilities of any kind. The principal investigators and the principal investigators' institutions acknowledge that the Society of Chest Pain Centers is not legally liable for the conduct of the institution, the principal investigators or any associate investigators.

SUPPORT FACILITIES

The applicants must submit letters of support if the proposed project uses facilities not routinely available to or directly under the supervision of the sponsoring program.

PUBLICATIONS

All discoveries resulting from work supported in part by the Society of Chest Pain Centers should be made available to the public and scientific community through scientific channels such as national meetings and peer-reviewed publications. Publications will acknowledge the support of the Society of Chest Pain Centers.

PROGRESS REPORTS AND MONEY MANAGEMENT

The principal investigator is required to submit a six-month progress report (due Jan 1, 2013) and a final progress report within thirty days of the conclusion of the award year (June 30, 2013). Additional reports may be required. Failure to provide such reports will delay transmission of funds. Progress reports must include an accounting report using Generally Accepted Accounting Procedures showing the distribution of funds with a signature from an institutional official (e.g., accountant, grants manager, administrator from the Office of Sponsored Research). The Society of Chest Pain Centers reserves the right to withhold release of interim funds if >25% of the previous cycle remains unspent. The Society of Chest Pain Centers allows up to 25% of funds to be carried over from one cycle to the next.

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APPLICATION INSTRUCTIONS

(See GENERAL INFORMATION for policies)

Submission in electronic format is required. No paper copies please.

Use English only and avoid jargon and unusual abbreviations. For abbreviations not universally known, spell out the term the first time it is used with the appropriate abbreviation in parentheses; the abbreviation may be used thereafter. The application must be typed, single spaced, and stay within the margin limitations indicated on the forms and continuation pages. The type must be clear and readily legible, no smaller than 15 characters per inch (use 12 pt. font if unsure). There must be no more than six lines of text within a vertical inch. Use black type; do **not** use photo-reduction. Mail or deliver the complete and signed electronic version (Microsoft Word or PDF format) of the proposal in one package to the address listed on page 3.

Incomplete applications will not be accepted. **An application will be considered incomplete if it is illegible, if it fails to follow instructions, or if the material presented is insufficient to permit an adequate review.** Unless specifically required by these instructions (e.g., human subjects certification) do **not** send supplementary material.

The application is to be submitted using the enclosed forms. Number the pages consecutively at the bottom throughout the application. Do not use suffixes such as 5a, 5b. Type the name of the principal investigator at the top of each printed page. **AN APPLICATION WILL NOT BE CONSIDERED IF PAGE LIMITATIONS ARE NOT OBSERVED.**

The application consists of the following sections:

1. INFORMATION PAGE

Name the physician and nurse responsible to the applicant's organization for the scientific and technical direction of the project. Choose a title that is descriptive and specifically appropriate, rather than general. List any associate investigators, if applicable.

2. ABSTRACT

Brief summary of research proposal. Include rationale, research hypothesis, specific aims, and significance.

3. CHECKLIST PAGE

4. RESEARCH PROGRAMS (limit 6 pages)

Use the attached NIH form Continuation Format Page

Please use the following subheadings:

Specific Aims

- State concisely the goals of the proposed research and summarize the expected outcome(s), including the impact that the results of the proposed research will exert on the research field(s) involved.

- Succinctly list the specific objectives of the proposed research, e.g., to test a stated hypothesis, create a novel design, solve a specific problem, challenge an existing paradigm or clinical practice, address a critical barrier to progress in the field, or develop new technology.
- Specific Aims are limited to one page.

Significance

- Explain the importance of the problem or critical barrier to progress in the field that the proposed project addresses.
- Explain how the proposed project will improve scientific knowledge, technical capability, and/or clinical practice in one or more broad fields.
- Describe how the concepts, methods, technologies, treatments, services, or preventive interventions that drive this field will be changed if the proposed aims are achieved.

Innovation

- Explain how the application challenges and seeks to shift current research or clinical practice paradigms.
- Describe any novel theoretical concepts, approaches or methodologies, instrumentation or interventions to be developed or used, and any advantage over existing methodologies, instrumentation, or interventions.
- Explain any refinements, improvements, or new applications of theoretical concepts, approaches or methodologies, instrumentation, or interventions.

Approach

- Describe the overall strategy, methodology, and analyses to be used to accomplish the specific aims of the project.
- Discuss potential problems, alternative strategies, and benchmarks for success anticipated to achieve the aims.
- If the project is in the early stages of development, describe any strategy to establish feasibility, and address the management of any high risk aspects of the proposed work.
- Include information on Preliminary Studies. Discuss the PD/PI's preliminary studies, data, and/or experience pertinent to this application. Preliminary data can be an essential part of a research grant application and help to establish the likelihood of success of the proposed project.

5. DESCRIPTION OF THE AWARD YEAR (limit 1 page)

Use the attached NIH Continuation Format Page

Outline the proposed work plan and proposed educational activities, including estimated times of completion.

6. PERSONAL STATEMENTS (limit 1 page each)

Use the attached NIH Continuation Format Page

Both the principal physician investigator and the principal nurse investigator should compose and submit a personal statement that addresses:

- a. each applicant's specific role in the development of the collaborative effort
- b. each applicant's interest in the topic and this project
- c. any additional pertinent experience or interests that either applicant wishes the committee to consider

7. ROLE OF PARTICIPANTS (limit 1 page)

Use the attached NIH Continuation Format Page

List the principal physician investigator, the principal nurse investigator, and each associate investigator and consultant. Include a brief description of how and to what extent each will be involved in the proposed project.

8. BIOGRAPHICAL SKETCHES

Use the attached NIH Biographical Sketch Format Page

Information is requested for the applicants and any associate investigators who will be involved with the projects. The new four page NIH format has been adopted. Description of projects should include title, funding source, specific aims, overall goals and role/responsibilities of individual on project.

9. RESOURCES AND ENVIRONMENT

Use the attached NIH resources Format Page

Describe the research facilities (laboratory space, clinical population, etc.) available. If computer access or statistical support is available, it should be described in this section.

10. BUDGET

Use the NIH Form Page 4: Detailed Budget for Initial Budget Period. Please download from the NIH website.

Indicate how the money will be spent. Justify all materials and supplies.

11. OTHER SUPPORT

Use the attached NIH form Continuation Format Page

List all current and pending intramural and extramural research funding for the applicant, preceptor and co-investigators. For each item indicate the grant identification number, grant type, PI, funding source, annual direct costs, funding period, percent effort, grant title, and brief description of project. For all items indicate whether there is any scientific or budgetary overlap with the current proposal.

12. ETHICS

Use the attached NIH form Continuation Format Page (no page limit)

Human subjects. For all research involving human subjects, a part of the peer review process will include careful consideration of protections from research risks, as well as the appropriate inclusion of women, minorities, and children. The Research committee will assess the adequacy of safeguards of the rights and welfare of research participants, and the appropriate inclusion of women, minorities, and children, based on the information in the application. This evaluation will be factored into the overall score. The information on the protection of human subjects that you are required to provide in this section is identical to information that you will be required to provide for IRB at your own institution and are required by most Federal agencies. This section must address the following items. These can be copied and pasted directly into your application.

The applicant should include specific measures on how protected health information (as defined by the Human Health Services) will be handled in accordance with the Privacy Rule of the Health Insurance Portability Accountability Act (HIPAA).”

1. RISKS TO THE SUBJECTS

a. Human Subjects Involvement and Characteristics

Describe the proposed involvement of human subjects in the work outlined in the Research Design and Methods section. Describe the characteristics of the subject population, including their anticipated number, age range, and health status. Identify the criteria for inclusion or exclusion of any subpopulation. Explain the rationale for the involvement of special classes of subjects, such as fetuses, neonates, pregnant women, children, prisoners, institutionalized individuals, or others who may be considered vulnerable populations. Note that 'prisoners' includes all subjects involuntarily incarcerated (for example, in detention centers) as well as subjects who become incarcerated after the study begins. List any collaborating sites where human subjects research will be performed, and describe the role of those sites in performing the proposed research.

b. Sources of Materials

Describe the research material obtained from living human subjects in the form of specimens, records, or data.

Describe any data that will be recorded on the human subjects involved in the project.

Describe the linkages to subjects, and indicate who will have access to subject identities.

Provide information about how the specimens, records, or data are collected and whether material or data will be collected specifically for your proposed research project.

c. Potential Risks

Describe the potential risks to subjects (physical, psychological, social, legal, or other), and assess their likelihood and seriousness to the subjects.

Where appropriate, describe alternative treatments and procedures, including the risks and benefits of the alternative treatments and procedures to participants in the proposed research.

2. ADEQUACY OF PROTECTION AGAINST RISKS

a. Recruitment and Informed Consent

Describe plans for the recruitment of subjects (where appropriate) and the process for obtaining informed consent. If the proposed studies will include children, describe the process for meeting requirements for parental permission and child assent.

Include a description of the circumstances under which consent will be sought and obtained, who will seek it, the nature of the information to be provided to prospective subjects, and the method of documenting consent. Informed consent document(s) need not be submitted to the PHS agencies unless requested.

b. Protection Against Risk

Describe planned procedures for protecting against or minimizing potential risks, including risks to confidentiality, and assess their likely effectiveness. Where appropriate, discuss plans for ensuring necessary medical or professional intervention in the event of adverse effects to the subjects. Studies that involve clinical trials (biomedical and behavioral intervention studies) must include a description of the plan for data and safety monitoring of the research and adverse event reporting to ensure the safety of subjects.

3. POTENTIAL BENEFITS OF THE PROPOSED RESEARCH TO THE SUBJECTS AND

OTHERS

Discuss the potential benefits of the research to the subjects and others.

Discuss why the risks to subjects are reasonable in relation to the anticipated benefits to subjects and others.

4. IMPORTANCE OF THE KNOWLEDGE TO BE GAINED

Discuss the importance of the knowledge gained or to be gained as a result of the proposed research.

Discuss why the risks to subjects are reasonable in relation to the importance of the knowledge that reasonably may be expected to result.

5. DATA AND SAFETY MONITORING PLAN (if applicable)

If your research includes a clinical trial, create a heading entitled "Data and Safety Monitoring Plan."

Provide a general description of a monitoring plan that you plan to establish as the overall framework for data and safety monitoring.

13. LITERATURE CITED

14. APPENDIX

Include letters of support from the department chairs, and associate investigators (required). No page numbering is necessary for Appendix. The appendix can include

- Up to 5 publications, manuscripts (*accepted* for publication), abstracts, patents, or other printed materials directly relevant to this project. *Do not include manuscripts submitted for publication.*
- Publications in press: Include only a publication list with a link to the publicly available on-line journal article or the NIH PubMed Central (PMC) submission identification number. Do not include the entire article.
- Manuscripts accepted for publication but not yet published: The entire article should be submitted and may be stapled.
- Manuscripts published but an online journal link is not available: The entire article should be submitted and may be stapled.
- Surveys, questionnaires, data collection instruments, clinical protocols, and informed consent documents. These may be stapled as sets.
- Original glossy photographs or color images of gels, micrographs, etc., provided that a photocopy (may be reduced in size) is also included within the 25-page limit of *Items a-d* of the research plan. *No photographs or color images may be included in the Appendix that are not also represented within the Research Plan.*

Do not use appendix to circumvent page limitations for research plans. Do not include experimental methods, protocols or figures that should be incorporated within the research project description.

Society of Chest Pain Centers Research Award
Information Page

Full Name with Titles: _____

Name of Institution: _____

Project Title: _____

Amount Requesting: _____

Applicant/Preceptor (*Last, first, middle*): _____

Modified Project Summary/Abstract Section

Enter the text here that is the new abstract information for your application. This section must be no longer than 30 lines of text.

Applicant/Preceptor (*Last, first, middle*): _____

Modified Specific Aims Section

Enter the text here that is the new specific aims information for your application. One page is recommended.

Applicant/Preceptor (*Last, first, middle*): _____

TABLE OF CONTENTS

Page Numbers

_____	Information Page
_____	Abstract & Aims
_____	Table of Contents
_____	Introduction to Revised Application
_____	Research Program
_____	Description of the Award Year
_____	Personal Statement
_____	Role of Participants
_____	Biographical Sketch Format Page
_____	Resources Format Page
_____	Form Page 4: Detailed Budget for Initial Budget Period (you must download from the NIH website)
_____	Other Support (Personal Statements, etc.)
_____	Statement of Conditions
_____	Appendix

CONTINUATION PAGE

STAY WITHIN MARGINS INDICATED

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME	POSITION TITLE		
eRA COMMONS USER NAME (credential, e.g., agency login)			
<i>EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	MM/YY	FIELD OF STUDY

Please refer to the application instructions in order to complete sections A, B, C, and D of the Biographical Sketch.

Principal Investigator/Program Director (*Last, first, middle*) _____

RESOURCES

FACILITIES: Specify the facilities to be used for the conduct of the proposed research. Indicate the performance sites and describe capacities, pertinent capabilities, relative proximity, and extent of availability to the project. Under "Other," identify support services such as machine shop, electronics shop, and specify the extent to which they will be available to the project. Use continuation pages if necessary.

Laboratory:

Clinical:

Animal:

Computer:

Office:

Other:

MAJOR EQUIPMENT: List the most important equipment items already available for this project, noting the location and pertinent capabilities of each.

