

Application for

DR. CHARLES FISCH CARDIOVASCULAR
RESEARCH AWARD

**INDIANA UNIVERSITY SCHOOL OF MEDICINE BIOMEDICAL
RESEARCH COMMITTEE**

SUBMISSION DEADLINE: September 3, 2019

Please note that you will be submitting through the Indiana CTSI's grants management software WebCAMP. Please allow enough time to be familiar with a new system.

*The WebCAMP user's guide is also available under the funding announcement here:
<https://www.indianactsi.org/funding/all-open-rfps/>*

For WebCAMP submission questions please contact Julie Driscoll @ judrisco@iu.edu / 317-278-2822

INFORMATION FOR APPLICANTS:

OBJECTIVE

The objective of the Dr. Charles Fisch Cardiovascular Research Award is to support cardiovascular research for young investigators or more senior investigators, embarking on a new research direction. Successful applicants are encouraged to use the title “Suzanne B. Knoebel Young Investigator, Krannert Institute of Cardiology” during the award period.

WHO MAY APPLY

All faculty members with a primary appointment in the tenure, clinical or research tracks in the Division of Cardiology, Department of Medicine who do not have > \$200,000 intramural or extramural research support are eligible to apply for *research program support*. Clinical fellows, postdoctoral researchers and students in the division of cardiology may apply for *research fellowship* to support his/her research training under a faculty member in the division of cardiology.

Extramural funding should be construed to mean grants from Federal and state agencies (e.g. NIH, NSF, VA, USDA, ISDH), National Organizations and Foundations (e.g. National Heart Association, Robert Wood Johnson Foundation, Howard Hughes Foundation), and Industry (e.g. GlaxoSmithKline, Eli Lilly Company) of \$200,000 (direct costs) or greater per annum. Clinical trial contracts and salary support on career development award(s) do not count toward the \$200,000 limit and grants in no-cost extensions or nearing the end of their award term may list remaining fund balances in lieu of the full awarded amounts. The amount of all extramural funding available to the applicant, if any, must be detailed. This includes any funding through program projects, centers, joint grants and any other mechanisms. If such funds are available, the relevant specific aims of that portion of the project or center grant must be provided. In listing support, the PI must specify dollar amounts for collaborative grants as well as for individual grants. If they are not the PI, the role in the project must be clearly specified, along with any resources or funding for that role.

RESTRICTIONS

1. *Research program support* and *Research fellowship support* should have a total budget between \$50,000 to \$100,000.
2. Applicants who have submitted or have pending an application for extramural funding may use the same or similar proposal to apply to the Charles Fisch RFA, but this must conform to the Committee’s guidelines and application format. **The applicant must address the Specific Aims for the single year of funding requested.** It is to the applicant’s advantage to focus and establish priorities for the year, and to describe how the one year of funding requested will aid in either “jump- starting” a project or strengthening a planned or pending submission. The relevant parts of an extramural proposal may be appended if desired, but the priorities for the proposed year of funding must be clearly justified.
3. Requested grant funding period cannot exceed 12 months. However, funded projects

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may be extended for up to one year with no additional funds if approved by the division director.

4. Frequency and number of submissions:
 - An applicant may submit a maximum of one application per deadline and may not simultaneously receive two Dr. Charles Fisch Cardiovascular Research Awards.
 - The committee will not review a proposal more than three times (original plus two revised submissions.)
 - A complete and unedited copy of reviewer's comments must be included in the appendices for all proposals previously submitted.
5. Applicants who are, or have been, associated with a senior investigator at Indiana University are strongly advised to include a letter from the senior investigator addressing the relationship of the applicant's project to the senior investigator's research.
6. Senior investigators are defined as investigators who have finished clinical training or postdoctoral research training 20 years prior to the application deadline. The application submitted by senior investigators must include a paragraph in the specific aim page of the grant application to justify the need for funding to start a new research direction. The Director of the Krannert Institute of Cardiology will review the justification and approve or disapprove the eligibility for submission.

MECHANISM FOR SUBMISSION OF APPLICATION

Applications will be considered twice a year. **Submission due dates are 1) the first regular business day in May and 2) the first regular business day in September.**

Applications will be assigned for review prior to the next scheduled meeting of the Biomedical Research Committee, which will generally meet within six weeks of the submission date. Approximately two months should be allowed from submission of the application to the desired starting date (no earlier than July 1 and November 1 respective to submission due dates). The starting date of proposed project cannot be later than three months after the proposal submission deadline.

Applications will follow this sequence:

- Page 1.** Face page, which specifies the title of the proposal, principal investigator and his/her affiliation, where work will be performed, and the total budget.
- Page 2.** Abstract page listing all professional individuals involved in the project and an abstract of the proposed research.
- Page 3.** State the reasons for the application at the present time and specify whether these are start-up funds for a new investigator or bridge funding between periods of extramural grant support. This should not exceed one page. **If the request is a resubmission of a proposal previously reviewed by the Biomedical Research Committee, the applicant must include a detailed introduction**

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showing what changes have been made to address the previous comments. Changes should also be noted in the body of the proposal and prior review comments included in the appendices.

Page 4-5. Budget page listing the direct costs for all personnel and supplies. All costs should be specifically justified on page 5 (limit justification to one page).

Clinical *research program support and research fellowship support* requests must include Research Nurse support of at least sufficient effort for IRB application and patient recruitment, if any. Please consult the coordinator of Krannert Clinical Trial Program before preparing the budget. A 5% overhead will be added to the budget of all research projects to pay for the administrative cost.

Page 6-9. **Biographical sketch** of the principal investigator including his/her bibliography. Use the NIH Biographical Sketch Format.

Page 10. **Other Support** of principal investigator: It is critical that the Other Support page be clear and detailed, and include funding through program projects, centers, joint grants, etc., as well as the role of the applicant in each grant and any potential overlap.

Page 11-end. Research Plan (items A-D below) should be typed on 8 ½ x 11 white paper with at least 1/2 inch margins and is **not to exceed 5 pages**. Type size should follow NIH guidelines: Arial, Helvetica, Palatino Linotype or Georgia typeface and a font size of 11 points or larger. Type must be clear and readily legible, reasonable size and single spaced.

The Research Plan should address the single year of funding requested. Relevant parts of an extramural proposal may be included, if desired, to show the scope of the overall project and to justify how the funding requested will aid in either “jump-starting” a project or strengthening a planned or pending submission. It is to the applicant’s advantage to focus and establish priorities for the year. These priorities should be made clear in all relevant sections of the Research Plan.

The application narrative should be structured in accordance with the following format:

A. Specific Aims:

This section (1 page) should include objective, rationale, central hypothesis, and specific aims of the proposal. Follow NIH R01 format.

B. Significance: (sections B-D should not exceed 4 pages)

This section should include background and importance of proposed work as well as its potential for extramural support. Follow NIH R01 format.

C. Innovation:

How does the proposed project seek to challenge existing paradigms including novel concepts, approaches, methodologies, instrumentation, or inventions of current research or clinical practice? Are these innovations new to one field of research or unique in a broad

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sense? Follow NIH R01 format.

D. Approach:

This section should include preliminary data and research strategy. Research strategy should include for each separate specific aim, rationale, proposed experiments and anticipate results/alternate strategies. Please follow NIH R01 format.

E. Available:

Describe the facilities available for this project including laboratories, clinical resources, office space, animal quarters, etc. List major items of equipment available for this work.

F. Collaborative Arrangements:

If the proposed project requires collaboration with other investigators, describe the collaboration and provide evidence to assure the reviewers that the other collaborators agree (letters of support in the addendum).

G. Supporting Information:

Research fellowship support applications must include a support letter from a faculty sponsor. The support letter must include the following information: (1) research in progress in the sponsor's clinical service or research laboratory, (2) other related training or course work which will be required for specific technical skills or methods the applicant will expect to master, (3) the relationship of the research training plan to the applicant's career goals, (4) the role the applicant played in the development of the research proposal, (5) the sponsor's assessment of the applicant and (6) the scope and source of all funds available to the applicant to conduct his/her research, including departmental and institutional funds.

One copy of the latest approval form for recombinant DNA, human subjects, or animal protocols should be submitted *just in time* before the commencement of funding.

Submit your application electronically via the 'Start a submission' link: [CTSI Fisch Fall 2019 Link](#)

The electronic application (including addendum) should be in a single PDF file **that includes scanned signatures.**

REVIEW

The first level of review will be conducted by the Indiana University School of Medicine

Biomedical Research Grant Review Committee (BRGRC). The results will be forwarded to the Krannert Institute of Cardiology where a committee appointed by the director will perform the second level of review and make final funding decision.

REPORTING REQUIREMENTS FOR AWARDEES:

Should an award be made, within 60 days of the end of the grant year a maximum two-page final narrative Progress Report in layman's terms will be due in the Director's Office. A report form page is available.

Awardees must include the following acknowledgment in all publications related to the work funded by this award: "This work is supported by the Charles Fisch Cardiovascular Research

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Award endowed by Dr Suzanne B. Knoebel of the Krannert Institute of Cardiology.”

In the event the PI submits official notification of departure from IUSM, spending on the account must immediately cease, and any remaining balance will be pulled back by the Cardiology Division Chief and Academic Administrator.