

**UNC Lineberger Comprehensive Cancer Center
2013 DEVELOPMENTAL RESEARCH AWARDS
APPLICATION GUIDELINES**

I. Purpose

Population Sciences Awards

The primary objective of these awards is to support the development of research in population sciences, specifically cancer prevention and control and cancer epidemiology, or in projects that bridge the basic and population sciences. Cancer prevention and control projects include studies on the prevention and early detection of cancer, as well as cancer survivorship, behavioral and social sciences research, dissemination, and health services/outcomes research. Cancer epidemiology research projects include but are not limited to studies on etiology and cancer risk. We encourage applications that utilize available resources such as ICISS, the UNC Survivor Cohort Study (Health Registry), patient-reported outcomes, and evolving electronic health records systems. For example, research projects that use ICISS to address methodological questions related to linking and interpreting linked claims data; projects using the Survivor Cohort to address clinical questions; and innovative uses of patient-reported outcomes data. Projects using these data sources to address priority questions in survivorship and health disparities are particularly encouraged. In addition, inter- and trans-disciplinary applications that bridge genomics, epidemiology, and behavioral disciplines are encouraged. Funds may not be used to support ongoing research projects.

Clinical/Translational Awards

The primary objective of these awards is to support the development of clinical and translational cancer research. Pilot clinical trials are especially encouraged, including projects that involve or will lead to an intervention (drug, device, behavioral approach, other) upon which you will base treatment and measure patient health outcomes. Projects may include studies using human subjects or human materials (blood, tissue, x-rays, etc.) with direct application to cancer diagnosis, treatment, or survivorship (including quality of life issues). Projects that feature collaborations between basic scientists and clinical researchers, or that clearly demonstrate basic and clinical expertise, are also highly encouraged. All topics are welcome, although there are specific funds available in the areas of breast and prostate cancer.

Both Award Programs

For each review category, applications are typically accepted once a year. Specific deadline dates vary from year to year. The Center seeks high-quality, relevant population sciences and clinical/translational projects but is also interested in grants that address UNC Lineberger research strategic directions: (1) Understanding Genetics and its Role in Cancer Causation and Treatment; (2) Developing New Cancer Treatments, and (3) Optimizing NC Cancer Outcomes.

II. Funding

Several one-year awards of up to \$50,000 are available. The number and amount of awards will depend upon the quality of the proposals received and the available funding. Expenditures may begin at any time after the official start date and once all IRB, IACUC, and other required approvals are in place. Funds should be expended within one year of receipt. No-cost extensions not encouraged. In rare circumstances, renewal for a second year is possible for particularly meritorious, clinically relevant projects that have made appropriate progress in the first year. Renewal applications are submitted in the same process as other applications and will be reviewed in competition with all submissions.

III. Eligibility

UNC Chapel Hill faculty, fellows, residents, and postdoctoral trainees are eligible to apply, although the emphasis is on applications from faculty that will lead to R01-type applications based at UNC Chapel Hill. Applicants who are not Cancer Center members must include a brief letter of sponsorship from a member with their application. The sponsor could be a project collaborator or a Center member who knows the research and considers it appropriate for the Center. Fellows, residents, and postdoctoral trainees must have a faculty sponsor / mentor who is a Cancer Center member. An investigator (acting as principal investigator) may submit only one proposal per year per review category (Clinical/Translational; Population Sciences). Investigators can be co-investigators on multiple projects or principal investigator on one project and co-investigator on one or more other projects. Newly recruited faculty with active start-up packages to initiate their research programs are eligible to apply, but their proposed research should be significantly different than that supported by their start-up funds.

IV. Application

A complete application includes a cover sheet, a lay abstract, a technical abstract, text, budget, budget justification, and biosketches.

a. Applicants must submit their application in two forms by **May 1, 2013 (5:00 pm)**.

1. PDF your complete proposal, including cover sheet, abstracts, text, budget and justification, and biosketches, and email to Anne Menkens at amenkens@email.unc.edu.

Proposals must be submitted as a single pdf file no greater than 2 MB in size. Do not submit multiple files. Do not submit MS Word files.

2. Mail or hand deliver a hardcopy original application to: Dr. Anne Menkens, UNC Lineberger Comprehensive Cancer Center, CB# 7295, University of North Carolina at Chapel Hill, Chapel Hill, NC, 27599-7295.

Both the hardcopy and the e-copy versions must be submitted for the application to be considered.

- b. The text of the applications is limited to no more than five pages (single-spaced). The abstracts, budget, budget justification, references, human subjects, etc are not included in the five-page limit. Appendices and other supporting materials (such as letters of support) are allowed and are also not included in the page limit. ***Reviewers are not compelled to read appendices.*** Please make sure that your application is interpretable without appendices.

The text should follow a standard NIH outline: specific aims, background and significance, previous studies, and research plan. Specific aims, background and significance, and previous studies should be limited to provide a sufficient description of the research plan. Use one-inch margins or greater and a font no smaller than Times Roman 12 pt or its equivalent (Arial 11). Use of NIH forms is not required **except** for the budget. Please use the NIH 398 form (for a MS Word version see: <http://grants.nih.gov/grants/funding/phs398/phs398.html>)

Renewal Applications Only: Specific aims should report the original aims and any new specific aims for the second year. Background and significance should address the justification for renewed funding, which should include progress to date and a rationale for a second year of funding. The research plan should outline methods for any new specific aims and plans for accomplishing any work remaining under the original aims. The five-page limit and the format requirements for the initial submissions apply. Appendices with manuscripts, etc are permissible.

- c. Applications must include two abstracts that describe your proposal: 1) a **scientific abstract** that summarizes your proposal for potential reviewers and review committee members; and 2) a **lay abstract** that is understandable to the non-scientific community that supports funding for these grants.
- d. Use the first-year budget form from the NIH 398 application to present the one-year budget. The accompanying justification should be sufficiently detailed for reviewers to assess whether the proper resources have been requested. Inadequate justification may result in a less favorable score and/or lower funding.

Grant funds may be budgeted for: (a) equipment and supplies; (b) communications; (c) travel; (d) personnel for research assistance; and (e) other purposes deemed necessary for the successful execution of the proposed project. Funds should not be requested for computers or travel to research meetings. Funds should not be requested for faculty salary and/or graduate student/fellow stipends or supplements. Funds may be requested to hire research personnel to conduct the work. Note: students and fellows may be hired as hourly employees to provide research assistance.

- e. Applications must include biosketches for the principal investigator and other key collaborators. Principal investigators who are not Center members must include a sponsorship letter from a faculty member. Fellows, residents, and postdoctoral trainee PIs must provide a letter of support from their sponsoring faculty member.
- f. If the proposed research makes use of a Cancer Center core resource, such as the Tissue Procurement Facility, the applicant should include an indication of support from that core. These can be letters, notes, or emails from the core director. The indication/note need not be long or involved, but it must make clear that the core is willing to work with the investigator on the proposed project. The Tissue Culture Facility is an exception: no indication of support is needed from that core.
- g. If the investigator has received other grant support for the proposed research or similar research in the past, please include relevant funding information.

Within 72 hours of the deadline, you should receive a confirmation of receipt of your application. If you submit an application and do not receive notice within 72 hours, please contact Anne Menkens (amenkens@email.unc.edu).

V. Review

- a. The Center generally uses a two-stage review process. First, a panel of peer reviewers evaluates each proposal. Second, an ad hoc review committee of senior leaders reviews the panel review and makes recommendations for award/funding. If the initial number of applications is large, prior to peer review senior leaders may screen and review all applications to identify non-competitive proposals that will *not* be sent forward to the panel for peer evaluation.
- b. Evaluation criteria include:
 - scientific merit
 - relevance to award category (population sciences or clinical/translational research)
 - the qualifications, experience and productivity of the applicant
 - project feasibility given facilities, budget, time, and other resources available
 - the potential for future grants and/or publications
- c. Although these criteria are most significant, the committee also considers the applicant's past history of funding through this award mechanism. The committee intends to fund the best grants but may prefer investigators not recently funded through this awards program and/or proposals that address UNC Lineberger strategic research directions. The committee also examines innovation and potential balance across study topics.
- d. Panel peer reviewers remain anonymous, and applicants do not receive the reviews verbatim. Applicants, however, will receive very brief summaries of the panel's critique.

V. Regulations

- a. Projects must be completed in the designated period of the grant proposal. Grants are for one year, except when otherwise specified in the application and approved by the committee. No-cost extensions are not encouraged. Renewal for a second year is possible for particularly meritorious, clinically relevant projects with appropriate progress in the first year.
- b. Unused funds will revert to the UNC Lineberger Comprehensive Cancer Center. All proposed expenses must conform to the general policies of the University and the UNC Lineberger Comprehensive Cancer Center.
- c. Research involving animals or human subjects must be reviewed in accordance with the University's general assurances and HIPAA. Projects involving human subjects must be submitted to an Institutional Review Board (IRB). Intervention studies and clinical protocols must be reviewed and approved by the UNC Lineberger Protocol Review Committee (PRC). Prior to receiving any funds, projects must have appropriate approvals from the IRB and PRC. Appropriate animal forms must also be filed and approved by IACUC. All investigators and all persons named on the budget page must have certification of training in the protection of human subjects.
- d. A final progress report shall be submitted 15 months after the start date. This report must be submitted at the conclusion of the grant period, or earlier, if the recipient of the grant is leaving the University.