

Program Announcement

Department of Defense Congressionally Directed Medical Research Programs

Breast Cancer Research Program

Era of Hope Scholar Award

Funding Opportunity Number: W81XWH-11-BCRP-EOHS

Catalog of Federal Domestic Assistance Number: 12.420

SUBMISSION AND REVIEW DATES AND TIMES

- **Pre-application Submission Deadline:** 5:00 p.m. Eastern time (ET), June 7, 2011
- **Confidential Letters of Recommendation Submission Deadline:** 5:00 p.m. ET, June 21, 2011
- **Application Submission Deadline:** 11:59 p.m. ET, June 21, 2011
- **Scientific Peer Review:** August 2011
- **Programmatic Review, Stage 1:** October 2011
- **Invitation for Oral Presentation:** November 2011
- **Programmatic Review, Stage 2:** December 2011

New for fiscal year 2011 (FY11): The Grants.gov Research & Related Budget form is a mandatory component of all Grants.gov application packages.

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I. FUNDING OPPORTUNITY DESCRIPTION

A. Program Description

The Breast Cancer Research Program (BCRP) was established in fiscal year 1992 (FY92) to support innovative research focused on eradicating breast cancer. Appropriations for the BCRP from FY92 through FY10 totaled over \$2.5 billion. The FY11 appropriation is \$150 million (M).

The BCRP challenges the scientific community to design innovative, high-impact research that will address critical issues and foster new directions toward the vision of eradicating breast cancer. The BCRP promotes unique partnerships and multidisciplinary collaborations that will accelerate advances in breast cancer research. In addition, the BCRP supports training the next generation of breast cancer investigators through mentored research. The BCRP seeks applications from all areas of basic, translational, clinical, behavioral, and epidemiological research. Applications focused on understudied areas, such as breast cancer prevention and health disparities, are encouraged.

B. Award Information

The Era of Hope Scholar Award supports individuals who are early in their careers and have high potential for innovation in breast cancer research. These individuals should be exceptionally talented scientists who have demonstrated that they are the “best and brightest” in their field(s) through extraordinary creativity, vision, and productivity. They should have demonstrated experience in forming effective partnerships and collaborations and should exhibit strong potential for leadership in the breast cancer research community.

Since the intent of the Era of Hope Scholar Award is to recognize creative and innovative individuals rather than projects, the central feature of the award is the innovative contribution that the Principal Investigator (PI) can make to the eradication of breast cancer. The PI should articulate a vision that challenges current dogma and demonstrates an ability to look beyond tradition and convention.

Experience in breast cancer research is not required; however, the application must focus on breast cancer, and the PI must commit at least 50% of his/her full-time professional effort during the award period to breast cancer research.

C. Eligibility Information

- PIs must be independent, non-mentored investigators within 6 years of their last mentored position as of the application submission deadline. Postdoctoral fellows, clinical fellows (including residents and interns), and other “mentored” researchers are not eligible for this award.
- Cost sharing/matching is not an eligibility requirement.
- Refer to the General Application Instructions, Appendix 1, for general eligibility information.

D. Funding

- The maximum period of performance is **5** years.
- The maximum allowable direct costs amount for the entire period of performance is **\$2.5M** plus indirect costs.
- All direct and indirect costs of any subaward (subgrant or subcontract) must be included in the total direct costs of the primary award.
- Regardless of the period of performance proposed, the applicant may not exceed the maximum allowable direct costs. Indirect costs shall be proposed in accordance with the organization's negotiated rate agreement.
- The applicant may request the entire maximum funding amount for a project that may have a period of performance less than the maximum **5** years.

Refer to the General Application Instructions, Section II.C., for budget regulations and instructions for the Research & Related Budget form. In addition, for this award mechanism, direct costs:

Must be requested for:

- Travel for attendance at two 3½ day Department of Defense BCRP Era of Hope meetings, which are held to disseminate the results of BCRP-sponsored research. Costs associated with travel to these meetings, up to \$1,800, should be included in Years 2 and 5 of the budget. These travel costs are in addition to those allowed for annual scientific/technical meetings.
- Travel for attendance at the annual 1½ day LINKS (Leading Innovative Networking and Knowledge Sharing) meeting. The meeting will also be attended by recipients of the BCRP Innovator Award, the BCRP Integration Panel, and Congressionally Directed Medical Research Programs (CDMRP) staff for the purpose of open communication and mutual benefit.

May be requested for (not all-inclusive):

- Salary
- Research supplies
- Equipment
- Training
- Workshops
- Research-related subject costs
- Clinical research costs
- Support for multidisciplinary collaborations
- Travel between collaborating organizations
- Travel costs of up to \$3,600 per year to attend scientific/technical meetings

The CDMRP expects to allot approximately \$11.25M of the \$150M FY11 BCRP appropriation to fund approximately three Era of Hope Scholar Award applications, depending on the quality and number of applications received. Funding of applications received in response to this Program Announcement/Funding Opportunity is contingent upon the availability of Federal funds for this program.

II. SUBMISSION INFORMATION

Submission is a multi-step process requiring both (1) pre-application submission through the CDMRP eReceipt System (<https://cdmrp.org/>) and (2) application submission through Grants.gov (<http://www.grants.gov/>).

Submission of the same research project to different funding opportunities within the same program and fiscal year is discouraged. The Government reserves the right to reject duplicative applications.

A. Where to Obtain the Application Package

To obtain the complete application package, including all required forms, perform a Grants.gov (<http://www.grants.gov/>) basic search using the Funding Opportunity Number: W81XWH-11-BCRP-EOHS.

B. Pre-Application Submission Content and Form

All pre-application components must be submitted through the CDMRP eReceipt System (<https://cdmrp.org/>).

PIs and organizations identified in the application should be the same as those identified in the pre-application. If a change in PI or organization is necessary after submission of the pre-application, the PI must contact the CDMRP Help Desk at help@cdmrp.org or 301-682-5507.

The pre-application consists of the following components, which are organized in the CDMRP eReceipt System by separate tabs (refer to the General Application Instructions, Section II.B., for additional information on pre-application submission):

- **Application Information – Tab 1**
- **Application Contacts – Tab 2**
- **Collaborators and Conflicts of Interest – Tab 3**
- **Required Files – Tab 4**

Letter of Intent (LOI) (one-page limit): Provide a brief description of the research to be conducted. LOIs are used for program planning purposes only (e.g., reviewer recruitment) and will not be reviewed during either the peer or programmatic review.

List of Individuals Providing Confidential Letters of Recommendation: Enter into the appropriate data fields the names, position titles, email addresses, and phone

numbers for three individuals who will provide letters of recommendation. Each individual will receive an email generated from the CDMRP eReceipt System containing specific instructions on how to upload his/her letter.

- **Submit Pre-application – Tab 5**
- **Other Documents Tab**

No additional documents are required.

C. Application Submission Content and Form

Each application submission must include the completed application package of forms and attachments provided in Grants.gov for this Program Announcement/Funding Opportunity. The application package is submitted by the Authorized Organizational Representative (AOR) through the Grants.gov portal (<http://www.grants.gov/>). For the Era of Hope Scholar Award, additional application components are also required and must be submitted as directed below.

Grants.gov application package components: For the Era of Hope Scholar Award, the Grants.gov application package includes the following components (refer to the General Application Instructions, Section II.C., for additional information on application submission):

1. **SF 424 (R&R) Application for Federal Assistance Form:** Refer to the General Application Instructions, Section II.C., for detailed information.
2. **Attachments Form**

- **Attachment 1: Project Narrative (five-page limit):** Upload as “ProjectNarrative.pdf.”

The Project Narrative should clearly state your *vision for the eradication of breast cancer* and *why you, the PI, should be considered for this unique award*. The following items should be addressed specifically.

- What is your vision for the eradication of breast cancer? Include your current research goals (without listing specific projects) and how these goals might change should you receive this award. Explain how these plans/goals are innovative.
- What have you accomplished that demonstrates your extraordinary creativity, vision, and productivity? Have these accomplishments had an impact beyond your own laboratory or research setting into the broader scientific, clinical, and/or patient community?
- What experience do you have that suggests a strong potential for leadership in the breast cancer research community?
- How would you bring your creative energy and experience together to make an impact on breast cancer?

- Describe the environment in which you work. How will this environment facilitate your development as an innovator and leader in breast cancer research?
- Describe the proposed research team and discuss how their particular talents will contribute to the success of the project.
- What are your long-term career goals, and how would these be affected by receiving this award?
- Aside from funding, what barriers exist that could inhibit your research and career goals, and what strategies will you employ to overcome these barriers? How would this award aid you in overcoming these barriers?
- What inspired you to pursue innovative, high-risk research rather than pursuing more traditional research?
- **Attachment 2: Supporting Documentation.** Start each document on a new page. Combine and upload as a single file named "Support.pdf." If documents are scanned to pdf, the lowest resolution (100 to 150 dpi) should be used. *Each component has no page limit unless otherwise noted.*
 - References Cited: List the references cited (including URLs if available) in the project narrative using a standard reference format that includes the full citation (i.e. author[s], year published, title of reference, source of reference, volume, chapter, page numbers, and publisher, as appropriate).
 - List of Abbreviations, Acronyms, and Symbols: Provide a list of abbreviations, acronyms, and symbols.
 - Facilities, Existing Equipment, and Other Resources: Describe the facilities and equipment available for performance of the proposed project and any additional facilities or equipment proposed for acquisition at no cost to the US Army Medical Research and Materiel Command (USAMRMC). Indicate if Government-owned facilities or equipment are proposed for use. Reference should be made to the original or present contract under which the facilities or equipment items are now accountable. There is no form for this information.
 - Publications and/or Patent Abstracts (five-document limit): Include relevant publication URLs and/or patent abstracts. If publications are not publicly available, then they must be included. Extra items will not be reviewed.
 - Letters of Organizational Support: Provide a letter (or letters if applicable), signed by the Department Chair or appropriate organization official, reflecting the laboratory space, equipment, and other resources available for the project. The letter should reflect the availability of laboratory space, equipment, and other resources and also include the extent to which the PI will be relieved of academic, clinical, or administrative responsibilities and allowed at least 50% protected time for breast cancer research.
 - Letters of Collaboration (if applicable) (two-page limit per letter): Provide a signed letter from each collaborating individual or organization that will

demonstrate that the PI has the support or resources necessary for the proposed work.

- Intellectual and Material Property Plan (if applicable): Provide a plan for resolving intellectual and material property issues among participating organizations.
 - **Attachment 3: Technical Abstract (one-page limit):** Upload as “TechAbs.pdf.”
Not required at this time. Leave Attachment 3 space blank.
 - **Attachment 4: Public Abstract (one-page limit):** Upload as “PublicAbs.pdf.”
Not required at this time. Leave Attachment 4 space blank.
 - **Attachment 5: Statement of Work (SOW) (three-page limit):** Upload as “SOW.pdf.” Refer to the General Application Instructions, Section II.C., for detailed information.
Not required at this time. Leave Attachment 5 space blank.
3. **Research & Related Senior/Key Person Profile (Expanded) Form:** Refer to the General Application Instructions, Section II.C., for detailed information.
 - PI Biographical Sketch (no page limit): Upload as “Biosketch_LastName.pdf.”
 - PI Current/Pending Support (no page limit): Upload as “Support_LastName.pdf.”
 - Key Personnel Biographical Sketches (four-page limit each): Upload as “Biosketch_LastName.pdf.”
 - Key Personnel Current/Pending Support (no page limit): Upload as “Support_LastName.pdf.”
 4. **Research & Related Budget:** Refer to the General Application Instructions, Section II.C., for detailed information.
 - Budget Justification (no page limit): Upload as “BudgetJustification.pdf.”
 5. **Project/Performance Site Location(s) Form:** Refer to the General Application Instructions, Section II.C., for detailed information.
 6. **R & R Subaward Budget Attachment(s) Form (if applicable):** Refer to the General Application Instructions, Section II.C., for detailed information.

Additional Application Components: In addition to the completed Grants.gov application package, Era of Hope Scholar Award applications also require the following components:

1. **Confidential Letters of Recommendation (two-page limit per letter recommended):** Three confidential letters of recommendation must be submitted by the individuals designated during the pre-application process. All letters must be submitted electronically through the CDMRP eReceipt System by **5:00 p.m. ET on the application deadline**. The PI should monitor whether the letters have been received; however, the PI is not able to view these letters. If confidential letters of

recommendation cannot be submitted by the individuals named in the pre-application, the PI should contact the CDMRP Help Desk at help@cdmrp.org or 301-682-5507.

Each letter should describe the PI's unique qualifications and accomplishments that highlight his/her potential for success in pursuing highly innovative research avenues. Specifically, each letter should offer the writer's perspective on the PI's:

- Creative and original accomplishments,
- Likelihood of continued innovation and productivity,
- Potential for leadership in the breast cancer research community,
- Likelihood of establishing a successful career at the forefront of breast cancer research; and
- Ability to manage the technical and administrative aspects of this award.

2. Oral Presentation: PIs whose applications are selected for Programmatic Review, Stage 2, will be required to give an oral presentation that will be held in the Baltimore/Washington, DC area in December 2011.

Each presentation will include a 10-minute talk by the PI, followed by a 20-minute question and answer session with Integration Panel members. The following questions will be the topics for discussion during the PI's talk and the question and answer session. PIs who are selected must prepare a presentation consisting of no more than 4 slides that specifically address these questions:

- What conceptual or intellectual barriers do you consider the most urgent to overcome to eradicate breast cancer?
- How does your vision for breast cancer challenge current dogma and look beyond tradition and convention?
- Without addressing any specifics of the project, how do you envision your research contributing to the next leap forward in the eradication of breast cancer?
- How will you use your leadership skills to form partnerships and collaborations that will make an impact on breast cancer?

D. Submission Dates and Times

All submission dates and times are indicated on the [title page](#) of this Program Announcement/Funding Opportunity. Pre-application and application submissions are required. Failure to meet any one of the deadlines shall result in application rejection.

E. Other Submission Requirements

Refer to the General Application Instructions, Appendix 2, for detailed formatting guidelines.

All applications must be submitted through Grants.gov. Organizations are required to provide a Data Universal Number System (DUNS) number and register with the Central Contractor

Registry (CCR) to submit applications through the Grants.gov portal. Refer to the General Application Instructions, Appendix 3, for information on Grants.gov requirements.

III. APPLICATION REVIEW INFORMATION

A. Application Review and Selection Process

All applications are evaluated by scientists, clinicians, and consumer advocates using a two-tier review process. The first tier is a peer review of applications against established criteria for determining technical merit. The second tier is a programmatic review that compares applications to each other and makes recommendations for funding to the Commanding General, USAMRMC, based on technical merit, the relevance to the mission of the Department of Defense (DOD) and CDMRP, and the specific intent of the award mechanism. The highest scoring applications from the first tier of review are not automatically recommended for funding. Additional information about the two-tier review process used by the CDMRP can be found at <http://cdmrp.army.mil/about/fundingprocess>.

All CDMRP review processes are conducted confidentially to maintain the integrity of the merit-based selection process. Each level of review requires panelists to sign a non-disclosure statement attesting that application and evaluation information will not be disclosed outside the panel. Violations of the non-disclosure statement can result in the dissolving of a panel(s) and other corrective actions. Organizational personnel and PIs are prohibited from contacting persons involved in the review process to gain protected evaluation information or to influence the evaluation process. Violations of these prohibitions will result in the administrative withdrawal of the organization's application. Violations by panelists or PIs that compromise the confidentiality of the review process may also result in suspension or debarment of their employing organizations from Federal awards. Furthermore, it is a crime for Federal officials to disclose confidential information of one party to another third party (Title 18 United States Code 1905).

B. Application Review Criteria

- 1. Peer Review:** To determine technical merit, all applications will be evaluated according to the following primary criteria, which are of equal importance:
 - **Principal Investigator**
 - How the PI's record of accomplishment supports his/her future abilities as an independent and visionary scholar/investigator.
 - How the application provides sufficient evidence to suggest that the PI will become a leader in the field of breast cancer research.
 - How the application indicates that the PI is one of the "best and brightest" in his/her field, and has potential to become a future leader in breast cancer.
 - **Accomplishments**
 - How the PI's work has challenged the status quo and/or resulted in a significant effect on the broader scientific, clinical, and/or patient community.

- Whether any products, patents, or licenses have resulted from the PI's work.
- Whether the PI's work has resulted in publications in high-impact journals and/or presentations at international scientific meetings.
- Whether the PI has received awards or other forms of acknowledgment for his/her achievements.
- **Research Goals**
 - How the PI's research goals suggest innovative, creative thinking that is not hindered by convention.
 - How the PI communicates a clear vision of what he/she hopes to accomplish during the award period.
- **Personnel and Environment**
 - How well the PI describes his/her plans to assemble a team of researchers with the appropriate expertise to accomplish the project goals.
 - How the application indicates that the environment will facilitate the PI's growth as an emerging innovator and leader.
 - Whether appropriate documentation of institutional support reflects the extent to which the PI will be relieved of academic or administrative responsibilities and allowed to pursue his/her goals.
 - Whether the PI indicates that he/she will commit at least 50% effort during the award period to breast cancer research.
 - Whether the PI has the necessary technical and administrative experience and/or ability to manage this award.

In addition, the following secondary criteria will also contribute to the overall evaluation of the application:

- **Budget**
 - Whether the budget is appropriate for the proposed research and within the limitations of this Program Announcement/Funding Opportunity.
- **Application Presentation**
 - To what extent the writing, clarity, and presentation of the application components influenced the review.

2. **Programmatic Review:** To determine the application's relevance to the mission of the DOD and CDMRP, as well as to make funding recommendations, the following criteria are used by programmatic reviewers:

Stage 1 – During the first stage of programmatic review, applications will be selected for the second stage using the following criteria:

- Evaluations of the peer reviewers
- Programmatic relevance

- Relative innovation
- Adherence to the intent of the award mechanism

Stage 2 – During the second stage of programmatic review, the following criteria will be used:

- Understanding of barriers in breast cancer
- Articulation of a vision with a high potential for impact
- Leadership capabilities to form partnerships and collaborations that will impact breast cancer

C. Recipient Qualification

Refer to the General Application Instructions, Appendix 1, for additional information on organization and Government agency requirements.

D. Application Review Dates

All application review dates and times are indicated on the [title page](#) of this Program Announcement/Funding Opportunity.

E. Notification of Application Review Results

Each PI and organization will receive notification of the funding recommendation. PIs will receive a scientific peer review summary statement on the strengths and weaknesses of the application.

IV. ADMINISTRATIVE ACTIONS

After receipt of applications from Grants.gov, the following administrative actions may occur.

A. Rejection

The following will result in administrative rejection of the application:

- Project Narrative exceeds page limit.
- Project Narrative is missing.
- Budget is missing.
- Pre-application is not submitted.

B. Modifications

- Pages exceeding the specified limits will be removed prior to review for all documents other than the Project Narrative.
- Documents not requested will be removed.

- Following the application deadline, you may be contacted by CDMRP via email with a request to provide certain missing supporting documents (excluding those listed in Section IV.A., Rejection). The missing documents must be provided by 5:00 p.m. ET on the second full business day following the date the email was sent. Otherwise, the application will be reviewed as submitted.

C. Withdrawal

The following may result in administrative withdrawal of the application:

- FY11 BCRP Integration Panel member is found to be involved in the pre-application or application processes including, but not limited to, concept design, application development, budget preparation, and the development of any supporting document. A list of the FY11 BCRP Integration Panel members may be found at <http://cdmrp.army.mil/bcrp/panels/panels11>.
- Submission of the same research project to different funding opportunities within the same program and fiscal year.
- The application does not conform to this Program Announcement/Funding Opportunity description to an extent that precludes appropriate review.
- Direct costs as shown on the Research and Related Budget form exceed the maximum allowed by this Program Announcement/Funding Opportunity.
- Inclusion of URLs with the exception of links to published references.
- Page size is larger than 8.5 inches x 11.0 inches (approximately 21.59 cm x 27.94 cm).
- The PI does not meet the eligibility criteria.

D. Withhold

Applications that appear to involve research misconduct will be administratively withheld from further consideration pending institutional investigation. The institution will be required to provide the findings of the investigation to the US Army Medical Research Acquisition Activity (USAMRAA) Contracting/Grants Officer for a determination of the final disposition of the application.

V. AWARD ADMINISTRATION INFORMATION

A. Award Notice

Awards will be made no later than September 30, 2012. Refer to the General Application Instructions, Appendix 4, for additional award administration information.

B. Administrative and National Policy Requirements

Refer to the General Application Instructions, Appendix 4, Section C, for general information regarding administrative and national policy requirements.

C. Reporting

Refer to the General Application Instructions, Appendix 4, Section D, for general information on reporting requirements.

D. Award Transfers

Refer to the General Application Instructions, Appendix 4, Section E, for general information on organization or PI changes.

Changes in PI are not allowed, except under extenuating circumstances that will be evaluated on a case-by-case basis and at the discretion of the Grants Officer.

VI. AGENCY CONTACTS

A. CDMRP Help Desk

Questions related to Program Announcement/Funding Opportunity content or submission requirements and questions related to the submission of the pre-application through the CDMRP eReceipt System should be directed to the CDMRP Help Desk, which is available Monday through Friday from 8:00 a.m. to 5:00 p.m. ET. Response times may vary depending upon the volume of inquires.

Phone: 1-301-682-5507

Email: help@cdmrp.org

B. Grants.gov Contact Center

Questions related to application submission through the Grants.gov portal should be directed to the Grants.gov Contact Center, which is available 24 hours a day, 7 days a week (closed on U.S. Federal holidays). Note that the CDMRP Help Desk is unable to provide technical assistance with Grants.gov submission.

Phone: 1-800-518-4726

Email: support@grants.gov

Sign up on Grants.gov for “send me change notification emails” by following the link on the Synopsis page for the Program Announcement/Funding Opportunity. If the application package is updated or changed, the original version of the application package may not be accepted by Grants.gov.

VII. APPLICATION SUBMISSION CHECKLIST

Grants.gov Application Components	Action	Completed
SF-424 (R&R) Application for Federal Assistance Form	Complete form as instructed.	
Attachments Form	Upload Project Narrative (ProjectNarrative.pdf) as Attachment 1.	
	Upload Supporting Documentation (Support.pdf) as Attachment 2.	
	Technical Abstract not required with submission. Leave Attachment 3 space blank.	
	Public Abstract not required with submission. Leave Attachment 4 space blank.	
	Statement of Work not required with submission. Leave Attachment 5 space blank.	
Research & Related Senior/Key Person Profile (Expanded)	Attach PI Biographical Sketch (Biosketch_LastName.pdf) to the appropriate field.	
	Attach PI Current & Pending Support (Support_LastName.pdf) to the appropriate field.	
	Attach Biographical Sketch (Biosketch_LastName.pdf) for each senior/key person to the appropriate field.	
	Attach Current & Pending Support (Support_LastName.pdf) for each senior/key person to the appropriate field.	
Research & Related Budget	Complete form as instructed. Attach Budget Justification (BudgetJustification.pdf) to the appropriate field.	
Project/Performance Site Location(s) Form	Complete form as instructed.	
R&R Subaward Budget Attachment(s) Form	Complete form as instructed.	
Additional Application Components	Action	Completed
Confidential Letters of Recommendation	Confirm upload to CDMRP eReceipt System.	
Oral Presentation	Confirm ability to give an oral presentation in the Baltimore/Washington, DC area in December 2011 (if selected for Stage 2).	