

Program Announcement

Department of Defense (DOD) Breast Cancer Research Program (BCRP)

Funding Opportunity Number: W81XWH-07-BCRP-EHPA

Era of Hope Postdoctoral Award

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I. HELP LINE INFORMATION

A. Agency Name

US Army Medical Research and Materiel Command (USAMRMC), Office of the Congressionally Directed Medical Research Programs (CDMRP), 1077 Patchel Street, Fort Detrick, Maryland 21702-5024.

B. Agency Contact(s)

1. Program announcement, proposal format, or required documentation: Principal Investigators (PIs) and Authorized Organizational Representatives (AORs) should submit questions as early as possible. Every effort will be made to answer questions within 5 working days.

Phone: 301-619-7079
Fax: 301-619-7792
Email: cdmrp.pa@amedd.army.mil

2. eReceipt system: A help line for questions relating to the submission of pre-application components through the CDMRP eReceipt system is available Monday through Friday from 8:00 a.m. to 5:00 p.m. Eastern time at 301-682-5507. Help also is available on the CDMRP website or by email as follows:

Website: <https://cdmrp.org>
Email: help@cdmrp.org

3. Grants.gov: Issues in submitting applications through the [Grants.gov](https://www.grants.gov) (<http://www.grants.gov/>) portal should be directed to Grants.gov at 800-518-4726 or email support@grants.gov. The Grants.gov hours of operation are Monday through Friday, 7:00 a.m. to 9:00 p.m. Eastern time. Deadlines for proposal submission are set at 11:59 p.m. Eastern time on the deadline date. Therefore, there is an approximate 3-hour period during which the Grants.gov Help Desk will NOT be available to assist with Grants.gov submissions. Please plan ahead accordingly, as the CDMRP Help Desk is not able to answer questions about Grants.gov submissions.

Grants.gov will only notify PIs of changes made to this Program Announcement and/or Application Package if the PI clicks on the “send me change notification emails” link and subscribes to the mailing list on the Opportunity Synopsis Page for this announcement. Please note that if the PI does not subscribe and the Application Package is updated or changed, the original version of the Application Package may not be accepted.

C. Anticipated Instrument Type(s)

The USAMRMC implements its extramural research program predominantly through the award of grants and cooperative agreements. More information on these funding instruments may be obtained by request via:

Fax: 301-619-2937
Email: qa.baa@amedd.army.mil

D. Catalog of Federal Domestic Assistance (CFDA) Number 12.420

Military Medical Research and Development.

E. Commonly Made Mistakes

- Pre-application submission is not completed before the mandatory pre-application deadline (pre-application remains in draft status).
- Failure to request updates on any modifications made to the application package.
- Incorrect application package or award mechanism is used to submit a proposal through Grants.gov.
- Attachments are uploaded into the incorrect form on Grants.gov.
- Files are attached in the wrong location on Grants.gov forms.
- Attachments are not PDF documents.
- Page limitations are exceeded.

II. FUNDING OPPORTUNITY DESCRIPTION

Funding of proposals received in response to this program announcement is contingent on the availability of Federal funds appropriated in a bill for this program.

A. Award Description

The Breast Cancer Research Program (BCRP) Era of Hope Postdoctoral Award supports exceptionally talented recent doctoral graduates who possess both the ambition and the ability to pursue highly innovative breast cancer research during their postdoctoral training. ***The proposed research should challenge current scientific dogma*** and demonstrate that the applicant has an ability to look beyond tradition and convention. Award recipients will be expected to challenge the status quo through creative, high-risk, potentially high-gain research that ultimately may lead to the eradication of breast cancer.

Candidates for this award should exhibit a strong desire to pursue a career in breast cancer research. Candidates should provide evidence that they are the “best and brightest” among their peers. Proposals must provide evidence of the candidate’s potential for success in pursuing innovative research based on his or her qualifications, characteristics, achievements, and letters of recommendation. The proposed research must be clearly outlined and the innovative nature of the planned research project must be explicitly stated. While the applicant is not required to have previous experience in breast cancer research, this research proposal must focus on breast cancer research.

Proposals also must provide details on the suitability of the candidate’s overall training plan, including information about the mentor’s experience in conducting innovative research and his or her commitment to supporting the candidate. In addition, proposals must elaborate on the training environment in which the candidate will work and how it will facilitate the candidate’s career development as an innovator at the forefront of breast cancer research. Proposals involving clinical trials do not meet the intent of this award mechanism.

Under this award mechanism, the postdoctoral trainee is considered the Principal Investigator (PI) and, as such, should write the proposal with appropriate direction from the mentor.

Individuals must be nominated to be considered for this award mechanism; self-nominations will be accepted. Do not submit an Era of Hope Postdoctoral Award proposal unless you receive a letter of invitation.

B. Eligibility

The PI should not have been in the laboratory or research setting in which the proposed postdoctoral research is to be performed for more than 2 years as of the proposal submission deadline (August 9, 2007) and should have a total of less than 4 years of postdoctoral research experience (excluding clinical residency or clinical fellowship training). The PI must have successfully completed a doctoral or medical degree at the time of award negotiation (between December 2007 and September 2008). Proposals submitted for “to be named” trainees will be

administratively withdrawn. Additional information about individual and institutional eligibility may be found in [Appendix 1](#).

C. Funding

Funding for an Era of Hope Postdoctoral Award can be requested for up to \$270,000 for direct costs for up to a 3 year performance period plus indirect costs as appropriate.

Funding for this award can be requested for up to \$90,000 per year for direct costs. No salary support will be provided for the mentor.

Funds can cover:

- PI's salary/stipend
- health insurance
- research supplies
- equipment
- training
- tuition
- workshops
- support for multidisciplinary collaborations
- travel between collaborating institutions
- travel to scientific/technical meetings

Era of Hope Postdoctoral Award recipients will be required to attend an annual 1½-day LINKS (Leading Innovative Networking and Knowledge Sharing) meeting along with BCRP Innovator, Era of Hope Scholar, and Multidisciplinary Postdoctoral Award recipients, the BCRP Integration Panel, and CDMRP staff for the purpose of open communication and mutual benefit. In addition, the CDMRP requires attendance at the biennially scheduled 3½-day DOD BCRP Era of Hope meeting, which is held to disseminate the results of BCRP-sponsored research.

Training awards usually have a different institutional indirect charge than research awards. Era of Hope Postdoctoral Award applicants are encouraged to check with their institution concerning indirect costs.

The nature of the BCRP does not allow for renewal of grants or supplementation of existing grants. Projects requiring lower levels of funding may also be submitted.

The CDMRP expects to allot approximately \$3 million (M) of the \$127.5M Fiscal Year 2007 (FY07) BCRP appropriation to fund approximately 8-10 Era of Hope Postdoctoral Awards, depending on the quality and number of proposals received.

D. Award Administration

A change in PI is not allowed for the BCRP Era of Hope Postdoctoral Award. A change in institutional affiliation will require the PI to resubmit the entire proposal packet, including any regulatory documentation, through his or her new institution. The PI's original institution must agree to relinquish the award.

E. Submission and Review Timeline

Proposal submission is a two-step process consisting of (1) pre-application submission and (2) proposal submission.

- **Pre-application Submission Deadline:** 5:00 p.m. Eastern time, May 9, 2007
- **Invitation to Submit Full Proposal** June 22, 2007
- **Confidential Letters of Recommendation** 5:00 p.m. Eastern time, August 9, 2007
- **Proposal Submission Deadline:** 11:59 p.m. Eastern time, August 9, 2007
- **Peer Review:** September 2007
- **Programmatic Review:** November 2007

Awards will be made approximately 4 to 6 months after receiving the funding notification letter, but no later than September 30, 2008.

III. PROGRAM HISTORY AND OBJECTIVES

The BCRP was established in FY92 to promote innovative research focused on eradicating breast cancer. Appropriations for the BCRP from FY92 through FY06 totaled \$1.96 billion (B). During this time, 22 Era of Hope Postdoctoral Award proposals have been received and 8 have been recommended for funding. The FY07 appropriation is \$127.5M.

The BCRP challenges the scientific community to design innovative research that will foster new directions for, address neglected issues in, and bring new investigators to the field of breast cancer research. The BCRP focuses its funding on innovative projects that have the potential to make a significant impact on breast cancer, particularly those involving multidisciplinary and/or multi-institutional collaborations and alliances. The BCRP encourages risk-taking research; however, all projects must demonstrate solid judgment and rationale.

IV. SUBMISSION PROCESS STEP 1: PRE-APPLICATION SUBMISSION

Proposal submission is a two-step process consisting of (1) a pre-application submission through the [CDMRP eReceipt system \(https://cdmrp.org/\)](https://cdmrp.org/) and (2) a proposal submission through [Grants.gov \(http://www.grants.gov/\)](http://www.grants.gov/). This section describes the process for pre-application submission. For proposal submission, see [Section V](#). ***Proposal submission will not be accepted unless you receive a letter of invitation.***

For assistance, please see Help Line Information ([Section I](#)).

A. Pre-application Components and Submission

The pre-application for an Era of Hope Postdoctoral Award consists of a nomination letter and the components discussed below. This subsection provides a summary of the pre-application submission requirements.

All pre-application components for the Era of Hope Postdoctoral Award mechanism, including the Nomination Letter, must be submitted electronically through the [CDMRP eReceipt system](#) ***by the 5:00 p.m. Eastern time, May 9, 2007 deadline.*** Material submitted after the pre-application submission deadline, unless specifically requested by the Government, will not be forwarded for processing. Failure to meet this deadline shall result in pre-application rejection and subsequent proposal rejection. Do not submit a proposal to the FY07 BCRP Era of Hope Postdoctoral Award mechanism unless you receive a letter of invitation.

- 1. Nomination Submission:** Nominations must be initiated by clicking on the award nomination link on the home page of the [CDMRP eReceipt system](#). Once the nomination has been verified and submitted, there will be no opportunity for modification.
- 2. Nominee Identification:** The nominator is responsible for entering *all* of the required nomination information into the CDMRP eReceipt system.
- 3. Nominee Biosketch:** A brief biosketch (2-page limit) of the nominee must be uploaded as a PDF file.
- 4. Nomination Letter: Two-page limit.** The nominator should provide a letter describing the unique qualifications and accomplishments that exemplify how this nominee is among the best and brightest in his or her field.

The nomination letter should include:

- The nominee's qualifications, characteristics, and achievements;
- The nominee's potential for innovation and productivity;
- The probability that the nominee will establish a successful career at the forefront of breast cancer research;
- The innovation(s) of the proposed research project;

- The potential impact the proposed research will have on breast cancer research or patient care; and
- The suitability of the mentor and training environment for promoting innovation and providing the nominee with a solid foundation in breast cancer research.

The nomination letter must be uploaded as a PDF file.

5. Primary Mentor's Contact Information: The nominator must provide the name, position title, mailing address, email address, and phone number of the nominee's primary mentor. This information should be entered into the appropriate data fields in the CDMRP eReceipt system.

6. List of Individuals Providing Letters of Recommendation: The nominator must provide the names, position titles, mailing addresses, email addresses, and phone numbers of three individuals not including the primary mentor who support the qualifications of the applicant for this award and are willing to provide letters of recommendation should a proposal be requested. This information should be entered into the appropriate data fields in the CDMRP eReceipt system.

A confirmation of submission will be sent by email to the nominator and the nominee after the Submit Nomination button is selected.

B. AOR Approval:

The pre-application submission does not require approval by the AOR before submission. Please see [Appendix 2](#) for the definition of an AOR.

C. Nomination Evaluation and Notification Information

The Era of Hope Postdoctoral Award nominations will be reviewed by the BCRP Integration Panel, which is composed of scientists, clinicians, and consumer advocates. The scientific members of the Integration Panel represent diverse disciplines and specialty areas, and the consumer members represent national advocacy constituencies.

Nominees whose qualifications meet the intent of this award mechanism will be invited by the Integration Panel to submit Era of Hope Postdoctoral Award proposals.

Each nominee will be notified as to whether they have been invited to submit a proposal for the Era of Hope Postdoctoral Award. The nomination letter will be provided to nominees invited to submit a proposal. PIs who are invited to submit a proposal will receive an email with instructions for downloading the completed pre-application file from the [CDMRP eReceipt system](#). This file should be attached to form SF-424 in Block 20 - Pre-application as part of proposal submission through Grants.gov.

V. SUBMISSION PROCESS STEP 2: PROPOSAL SUBMISSION

This section describes the process for submission of a proposal, once a nominee has been invited. Proposals must be submitted electronically by the AOR through Grants.gov (www.grants.gov). No paper copies will be accepted.

Proposal submission will not be accepted unless you receive a letter of invitation. The PI and Organization identified in the proposal submitted through Grants.gov should be the same as those identified in the pre-application. If there is a change in PI or Organization after submission of the pre-application, please contact the eReceipt helpdesk at help@cdmrp.org or 301-682-5507.

For complete information regarding forms and submission components, as well as general proposal preparation and submission instructions, please see [Appendix 3](#).

Please note, submission of a proposal requires institutional registration with the Central Contractor Registry (CCR), which requires a Data Universal Number System (DUNS) number, Tax Identification Number (TIN) or Employer Identification Number (EIN), and a Commercial and Government Entity (CAGE) code and must be completed well in advance of Grants.gov registration and proposal submission. Please note that CCR registrations have expirations. Plan accordingly and allow several weeks for these registration processes. Grants.gov will not allow proposals to be submitted unless all of the registration steps have been completed.

A. Proposal Components Summary

Each proposal submission must include the completed Grants.gov application package of forms and attachments identified in www.grants.gov for the US Army Medical Research Acquisition Activity (USAMRAA) program announcement. The package includes:

1. SF-424 (R&R) Application for Federal Assistance Form

- Pre-application file downloaded from the CDMRP eReceipt system

2. Attachments Form

- Attachment 1: Project Narrative (five-page limit)
- Attachment 2: Supporting Documentation
 - References Cited and Acronyms and Symbol Definitions
 - Facilities & Other Resources
 - Description of Existing Equipment
 - Publications and/or Patent Abstracts
 - Transcripts
 - Mentor's Letter of Support
 - Letters of Institutional Support

- Letters of Collaboration (if applicable)
 - Attachment 3: Technical and Public Abstracts
 - Attachment 4: Statement of Work (SOW)
 - Attachment 5: Eligibility Statement
 - Attachment 6: Innovation Statement
 - Attachment 7: Impact Statement
 - Attachment 8: Federal Agency Financial Plan (if applicable)
- 3. Research & Related Senior/Key Person Profile (Expanded Form)**
- PI Curriculum Vitae (no page limit)
 - PI Current/Pending Support
 - Key Personnel Biographical Sketches (four-page limit each)
 - Key Personnel Current/Pending Support
- 4. Research & Related Budget Form**
- Budget Justification
- 5. Research & Related Project/Performance Site Location(s) Form**
- 6. R&R Subaward Budget Attachment(s) Form (if applicable)**

B. Confidential Letters of Recommendation

For PIs who are invited to submit a proposal, an email generated from the CDMRP eReceipt system will notify the individuals listed in the pre-application to provide confidential letters of recommendation. This email also will provide instructions for the selected individual to upload the letter of recommendation. The PI should monitor whether the letters have been received; however, the PI will not be permitted or able to view these letters. *All confidential letters of recommendation must be submitted through the CDMRP eReceipt system by 5:00 p.m. Eastern time, August 9, 2007.*

The letters of recommendation should be submitted by the three individuals named by the nominator in the original nomination. If this is not possible, the PI must contact the CDMRP eReceipt help desk for approval and should justify the change in the main body of the proposal.

Each letter should describe the PI's unique qualifications and accomplishments that highlight his or her potential for success in pursuing highly innovative research avenues.

Specifically, each letter should offer the writer's perspective on:

- The PI's qualifications, characteristics, and achievements,
- The PI's potential for innovation and productivity,

- The innovation of the proposed research project and its relevance to breast cancer,
- The nominee’s potential to establish a successful career at the forefront of breast cancer research, and
- The suitability of the mentor and training environment for promoting innovation and providing the PI with a solid foundation in breast cancer research.

Grants.gov will only notify PIs of changes made to this Program Announcement and/or Application Package if the PI clicks on the “send me change notification emails” link and subscribes to the mailing list on the Opportunity Synopsis Page for this announcement. Please note that if the PI does not subscribe and the Application Package is updated or changed, the original version of the Application Package may not be accepted.

VI. PROPOSAL REVIEW INFORMATION

A. Proposal Review and Selection Overview

All proposals are evaluated by scientists, clinicians, and consumer advocates using a two-tier review process. The first tier is a scientific peer review of proposals against established criteria for determining scientific merit. The second tier is a programmatic review that compares submissions to each other and recommends proposals for funding based on scientific merit and overall goals of the program. Additional information about the two-tier review process used by the CDMRP may be found at <http://cdmrp.army.mil/fundingprocess.htm>.

The Government reserves the right to review all proposals based on one or more of the required attachments or supporting documentation (e.g., Eligibility Statement, Innovation Statement, or Impact Statement).

B. Review Criteria

1. **Peer Review:** All proposals will be evaluated according to the following criteria:

- **Principal Investigator**
 - How the PI's achievements (based on his or her background, academic performance, awards, and honors) make him or her stand out from his or her peers as one of the "best and brightest."
 - Whether the PI shows exceptional potential for an independent career at the forefront of breast cancer research.
 - How the PI has demonstrated a strong personal commitment to pursuing a career in *breast cancer* research.
 - How the letters of recommendation support the PI's abilities and potential for a productive research career in breast cancer.
- **Innovation**
 - How the proposed training program and environment promotes the development of innovative breast cancer researchers.
 - Whether the proposed research is innovative in study concept or question, research methods or technologies, clinical interventions, unique adaptations of existing methods or technologies, or other ways.
 - How the proposed research challenges existing assumptions or paradigms.
- **Impact**
 - How the project addresses a critical problem in breast cancer.
 - How the project makes an original and important contribution to the goal of advancing research on the prevention, detection, or treatment of breast cancer.
- **Research Strategy**
 - How the scientific rationale supports the project and its feasibility as

demonstrated by a critical review and analysis of the literature, preliminary data, and logical reasoning.

- How well the hypotheses or objectives, aims, experimental design, methods, and analyses are developed.
- How well the PI acknowledges potential problems and addresses alternative approaches.
- If the research plan requires statistical analyses, whether the proposal includes a clear statistical plan with power analysis.
- **Mentor**
 - Whether the mentor has experience in breast cancer research.
 - How the mentor's background, qualifications, research resources, and available time support his or her ability to supervise the PI's training program.
 - Whether the mentor has previous research training experience with predoctoral students, postdoctoral or clinical fellows, clinical residents, etc.
 - How clearly the mentor indicates a commitment toward innovative research and training for the PI.
 - Whether the mentor has prior evidence of conducting innovative research.
- **Training and Environment**
 - How comprehensive and detailed is the training plan.
 - How the training has the potential to provide valuable experience for the PI to prepare him or her for an independent career at the forefront of breast cancer research.
 - How the training environment is appropriate for accomplishing the PI's goals.
 - How the research requirements will be adequately supported by the scientific environment, resources, and collaborative arrangements proposed.
 - How the proposal provides evidence of a strong institutional commitment to research training in breast cancer.
- **Budget**
 - How the budget is appropriate for the proposed research.

2. Programmatic Review: Criteria used by the IP to make funding recommendations that maintain the program's broad portfolio include:

- Ratings and evaluations of the peer reviewers (scientific and consumer),
- Programmatic relevance,
- Relative innovation and impact,
- Program portfolio balance, and
- Adherence to the intent of the award mechanism.

Scientifically sound proposals that best fulfill the above criteria and most effectively address the unique focus and goals of the program will be selected by the IP and recommended for funding to the Commanding General, USAMRMC.

VII. COMPLIANCE GUIDELINES

Compliance guidelines have been designed to ensure the presentation of all proposals in an organized and easy-to-follow manner. Peer reviewers expect to see a consistent, prescribed format for each proposal. ***Failure to adhere to formatting guidelines ([Appendix 4](#)) makes proposals difficult to read, may be perceived as an attempt to gain an unfair competitive advantage, and may result in proposal rejection.***

The following will result in administrative rejection of the entire proposal:

- All attached files are not in PDF, except for the pre-application file.
- Project Narrative exceeds page limit.
- Project Narrative is missing.
- Margins are less than specified in the formatting guidelines.
- Print Area exceeds that specified in the formatting guidelines.
- Spacing is less than specified in the formatting guidelines.
- Innovation Statement is missing.
- Impact Statement is missing.
- Eligibility Statement is missing.
- Confidential Letters of Recommendation are missing.
- PI's Curriculum Vitae is missing.
- Technical or Public Abstracts are missing.
- Statement of Work is missing.
- Required supporting documentation is missing.
- Biographical sketches are missing.
- Budget justification is missing.
- FY07 BCRP IP members are included in any capacity in the pre-application process, the proposal, budget, and any supporting document. A list of the FY07 BCRP IP members may be found at <http://cdmrp.army.mil/bcrp/panel07.htm>.

For any other sections of the proposal with a defined page limit, pages exceeding the specified limit will be removed and not forwarded for peer review.

Material submitted after the submission deadline, unless specifically requested by the Government, will not be forwarded for peer review.

VIII. APPENDICES

APPENDIX 1

ELIGIBILITY INFORMATION

To protect the public interest, the Federal Government ensures the integrity of Federal programs by only conducting business with responsible recipients. The US Army Medical Research and Materiel Command (USAMRMC) uses the Excluded Parties List System (EPLS) to exclude recipients ineligible to receive Federal awards. The EPLS is online at <http://epls.arnet.gov>. (Reference Department of Defense Grant and Agreement Regulations [DODGAR] 25.110.)

All individuals, regardless of ethnicity, nationality, or citizenship status, may apply as long as they are employed by, or affiliated with, an eligible institution.

Eligible Institutions: USAMRMC makes awards to institutions; eligible institutions include for-profit, nonprofit, public, and private organizations, such as universities, colleges, hospitals, laboratories, and companies.

Historically Black Colleges and Universities/Minority Institutions (HBCU/MI): A Department of Defense goal is to allocate funds for the Congressionally Directed Medical Research Programs (CDMRP) peer reviewed research to fund proposals from HBCU/MI. This provision is based on guidance from Executive Orders 12876, 12900, and 13021. Proposals are assigned HBCU/MI status when the submitting institution is so designated by the Department of Education on the date the program announcement is released. The most current Department of Education list is posted on the CDMRP website at <http://cdmrp.army.mil/spp> under “Minority Institutions.”

Government Agencies: Local, state, and Federal Government agencies are eligible to the extent that proposals do not overlap with their fully funded intramural programs. Federal agencies are expected to explain how their proposals do not overlap with their intramural programs.

Duplicate Submissions: Submission of the same research project to different award mechanisms within the same program or to other CDMRP programs is discouraged. The Government reserves the right to reject duplicative proposals.

APPENDIX 2

GRANTS.GOV INSTRUCTIONS

A. Public Law 106-107

Proposals requesting funding from the CDMRP will be submitted through the Federal Government's single entry portal, [Grants.gov](https://www.grants.gov), in compliance with Public Law 106-107 (P.L. 106-107). The Federal Financial Assistance Management Improvement Act of 1999, also known as P.L. 106-107, was enacted in November 1999. The purposes of the P.L. 106-107 are to (1) improve the effectiveness and performance of Federal financial assistance programs, (2) simplify Federal financial assistance application and reporting requirements, (3) improve the delivery of services to the public, and (4) facilitate greater coordination among those responsible for delivering services.

Individual program announcements and required forms can also be found on this website. As in previous years, award mechanisms requiring pre-applications including Letter of Intent Narrative, preproposals, and/or nominations will be submitted through the CDMRP eReceipt system at <https://cdmrp.org>.

B. Grants.gov

Grants.gov is an E-Government initiative to provide a simple, unified electronic storefront for interactions between Principal Investigators (PIs) and the Federal agencies that manage grant funds. The grant community, including state, local, and tribal governments, academia and research institutions, commercial firms and not-for-profits, can access the annual grant funds available across the Federal Government through one website, Grants.gov. In addition to simplifying the grant application process, Grants.gov also creates avenues for consolidation and best practices within each grant-making agency.

In compliance with P.L. 106-107, the USAMRMC requires proposals submitted in response to the program announcement to be submitted through Grants.gov. This requires that organizations register in Grants.gov to submit proposals through the Grants.gov portal. Individual PIs/Project Directors DO NOT register; however, the AOR is required to register. The registration process can take several weeks, so please register as soon as possible.

The following actions are required as part of the registration process. ***The registration process can take several weeks.*** If you do business with the Federal Government on a continuing basis, it is likely you have already completed some of the actions, e.g., obtaining a DUNS number or registration in CCR. Detailed information, automated tools, and checklists are available at http://www.grants.gov/applicants/get_registered.jsp

1. Applicant Organization Must Have a Data Universal Number System (DUNS) Number

An organization will need a DUNS number. A DUNS number is a unique nine-character identification number provided by the commercial company Dun & Bradstreet (D&B)

(<http://fedgov.dnb.com/webform/displayHomePage.do>). If an organization does not have a DUNS number, an authorized official of the organization can request one by calling 866-705-5711 or online via web registration (<http://fedgov.dnb.com/webform/index.jsp>). Organizations located outside of the United States can request and register for a DUNS number online via web registration.

2. Applicant Organization Must be Registered with the Central Contractor Registry (CCR)

An organization must be registered with CCR before submitting a grant application through Grants.gov or receiving an award from the Federal Government. CCR validates institution information and electronically shares the secure and encrypted data with Federal agencies' finance offices to facilitate paperless payments through electronic funds transfer. ***CCR registrations have an expiration – please verify the status of your organization's CCR registration well in advance of the proposal submission deadline.***

You can register by calling the CCR Assistance Center at 888-227-2423 or register online at <http://www.ccr.gov>. Collecting the information (Employer Identification Number [EIN] or Tax Identification Number [TIN]) can take 1-3 days. If you have the necessary information, online registration will take about 30 minutes to complete, depending upon the size and complexity of your organization. Allow a minimum of 5 business days to complete the entire CCR registration. If your organization does not have either an EIN or TIN, allow at least 2 weeks to obtain the information from the Internal Revenue Service (IRS).

Foreign organizations must obtain a CAGE code prior to registering with the CCR. A CAGE code can be obtained by calling 269-961-7766 or online at http://www.dlis.dla.mil/Forms/Form_AC135.asp.

3. Authorized Organizational Representative (AOR) must be registered with Grants.gov

Before submitting a proposal, an organization representative needs to register to submit on behalf of the organization at Grants.gov - <https://apply.grants.gov/OrcRegister>. An organization's E-Business point of contact (POC), identified during CCR registration, must authorize someone to become an AOR. This safeguards the organization from individuals who may attempt to submit proposals without permission. The AOR's username and password serve as "electronic signatures" when an application is submitted on Grants.gov. ***Note: In some organizations, a person may serve as both an E-Business POC and an AOR.***

An AOR must first register with the Grants.gov credential provider at <https://apply.grants.gov/OrcRegister> to obtain a username and password. The AOR must then register with Grants.gov for an account at <https://apply.grants.gov/GrantsgovRegister>. Once an AOR has completed the Grants.gov process, Grants.gov will notify the E-Business POC for assignment of user privileges. When an E-Business POC approves an AOR, Grants.gov will send the AOR a confirmation email.

APPENDIX 3

INFORMATION FOR PROPOSAL SUBMISSION

Proposal submission is a two-step process consisting of (1) a pre-application submission through the [CDMRP eReceipt system \(https://cdmrp.org/\)](https://cdmrp.org/) and (2) a proposal submission through [Grants.gov \(http://www.grants.gov/\)](http://www.grants.gov/). **Confidential Letters of Recommendation must be submitted through the CDMRP eReceipt System by 5:00 p.m. Eastern time, August 9, 2007.**

This section describes the process for proposal submission. For pre-application submission, see [Section IV](#). Proposal submission will not be accepted unless you receive a letter of invitation. This appendix outlines how to prepare a proposal application for submission through Grants.gov.

Each submission must include the completed package of forms identified in www.grants.gov for the US Army Medical Research Acquisition Activity (USAMRAA) program announcement. The submission of specific documents will depend upon the award mechanism for which this proposal is being submitted, as specified in [Section V](#) and described below. All attachments must be uploaded as a PDF file in accordance with the formatting guidelines in [Appendix 4](#) except for the pre-application XML file.

Fill in the **Application Filing Name** on the first screen of the Grant Application Package using the CDMRP log number acquired during the pre-application process. **Do not fill in the Competition ID.**

Click on “Help Mode” (see arrow in Figure 1 below) in the PureEdge tool bar and scroll over the blocks for tips on navigating through the forms in this application package.

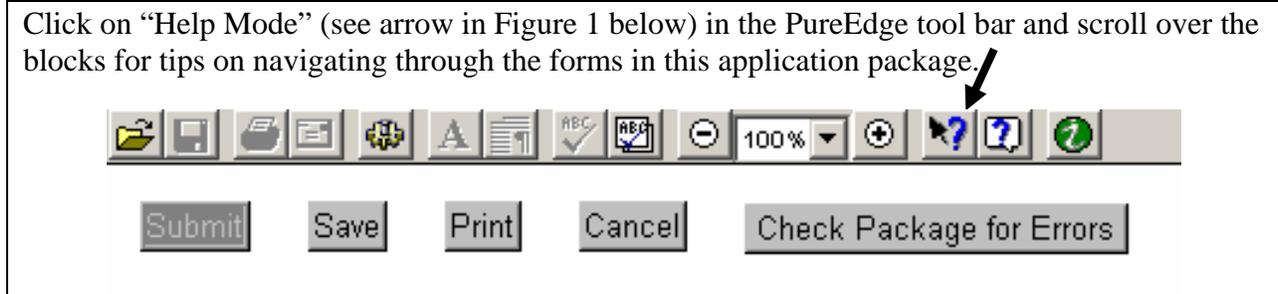


Figure 1: Grants.gov Application PureEdge Toolbar

Form	Attachment	Action
SF-424 (R&R) Application for Federal Assistance Form	Pre-application XML File	Enter the appropriate information in data fields
Attachments Form	Project Narrative (Narrative.pdf)	Upload as Attachment 1
	Supporting Documentation (Support.pdf)	Upload as Attachment 2
	Technical and Public Abstracts (Abstracts.pdf)	Upload as Attachment 3
	Statement of Work (SOW) (SOW.pdf)	Upload as Attachment 4
	Eligibility Statement (Eligible.pdf)	Upload as Attachment 5
	Innovation Statement (Innovation.pdf)	Upload as Attachment 6
	Impact Statement (Impact.pdf)	Upload as Attachment 7
	Federal Agency Financial Plan (if applicable) (FedFin.pdf)	Upload as Attachment 8
Research & Related Senior/Key Person Profile (Expanded) Form	PI Curriculum Vitae (CV_LastName.pdf)	Attach to PI Biographical Sketch field
	PI Current/Pending Support (Support_LastName.pdf)	Attach to PI Current & Pending Support field
	Key Personnel Biographical Sketches (Biosketch_LastName.pdf)	Attach to Biographical Sketch field for each senior/key person
	Key Personnel Current/Pending Support (Support_LastName.pdf)	Attach to Current & Pending Support field for each senior/key person
Research & Related Budget Form	Budget Justification for entire performance period (Justification.pdf)	Attach to Section K in budget period one
Research & Related Project/Performance Site Location(s) Form		Enter the appropriate information in data fields
R&R Subaward Budget Attachment(s) Form (if applicable)	Individual subaward budgets and justifications (Justification_LastName.pdf)	Attach a separate budget with justification for each subaward

During award negotiations, the Certificate of Environmental Compliance, Principal Investigator Safety Program Assurance, and regulatory documents related to human and animal studies and other documents will be requested from the PIs. At that time, the negotiated indirect rate

agreement, Certifications and Assurances for Assistance Agreements, and Representations for Assistance Agreements will be requested from the AOR.

A. SF-424 (R&R), Application for Federal Assistance Form.

This form is required for each application. All appropriate information must be entered into this form to allow for auto-population of all subsequent forms in this application package. The form is self-explanatory, with the following exceptions:

- **Applicant Identifier** box should be filled in with the submitting Institution’s Control Number.
- **State Application Identifier** is not applicable.
- **Block 1 – Type of Submission.** For all submissions the “Application” box should be chosen. For substantial changes that must be made after the original submission, the complete application package must be resubmitted. In these cases, the “Changed/Corrected Application” box must be checked and the Grants.gov tracking number must be entered in Block 4 - Federal Identifier.
- **Block 3 – Date Received by State** is not applicable
- **Block 4 – Federal Identifier Box.** This box will be populated by Grants.gov for an original application, but the Grants.gov tracking number (i.e., the Federal Identifier Number assigned to the original application) must be manually entered for changed or corrected applications.
- **Block 13 – Proposed Project.** The start date should be 9 months to a year from deadline for proposal submission for this award mechanism.
- **Block 14 – Congressional Districts Of.** If applying from a foreign institution enter “00-000” for both applicant and project.
- **Block 17 – Is Application Subject to Review by State Executive Order 12372 Process?** Choose option, b. NO, program is not covered by E.O.12372.
- **Block 19 – Authorized Representative.** The “signature of AOR” is not an actual signature and is automatically completed upon submission of the electronic application package. *Hard copies of applications will not be accepted.*
- **Block 20 – Pre-application** box and attachment should be used to attach the pre-application file associated with this proposal. This pre-application file must be downloaded from the CDMRP eReceipt system. *Please do not convert this XML file to PDF.*

B. Attachments Form

The following information must be included as attachments to this form in accordance with the [formatting guidelines](#) specified in [Appendix 4](#):

Attachment 1: Project Narrative: Five-page limit. The Project Narrative is the main body of the proposal. The Project Narrative must be submitted as a single PDF file named “Narrative.pdf,” in accordance with the [formatting guidelines](#) specified in [Appendix 4](#). Era

of Hope Postdoctoral Award proposals must be written by the trainee as the Principal Investigator and author, with appropriate direction from the mentor.

Describe the proposed training and research project using the following outline:

- **Career/Research Plans:** Briefly discuss your current and future career plans, including research and training goals (without listing specific projects), and how these would be affected if you receive this award. Describe your inspiration for pursuing innovative plans/goals that might differ from traditional career paths. Describe why you should be considered one of the “best and brightest” among your peers based on your qualifications, characteristics, and achievements. Provide examples that demonstrate your unique potential to successfully pursue innovative breast cancer research and training.
- **Research Project:** The PI must clearly articulate the innovative nature of the research project, and include the potential impact it might have on breast cancer. Describe the proposed innovative research project using the following outline:
 - **Background:** Provide a brief overview of the ideas and reasoning behind the proposed work. Describe previous experience most pertinent to this proposal. Cite relevant literature.
 - **Hypothesis/Rationale/Purpose:** State the hypothesis to be tested and the expected results.
 - **Objectives:** State the specific aims and describe the research strategy of the project concisely.
 - **Methods:** Provide details on the experimental design and methodology. If the methodology is new or unusual, describe it in sufficient detail for evaluation. Acknowledge potential problem areas and present alternative approaches to address them. Include an adequate statistical plan, if appropriate. If you plan to use either human subjects or human biological samples, include a plan for the recruitment of subjects and/or the acquisition of samples.
- **Training Program:** Provide a detailed training plan that describes the qualifications of your mentor(s) and his or her area(s) of expertise and the appropriateness of the training environment. Describe coursework, conferences, and/or journal clubs in which you will participate and any training you will receive in new laboratory techniques. Explain how this environment will facilitate innovation and support the development of your career in breast cancer research.

The five-page limit of the Project Narrative is inclusive of any figures, tables, graphs, photographs, diagrams, chemical structures, pictures, pictorials, cartoons, and other relevant information needed to judge the proposal.

Attachment 2: Supporting Documentation. Upload these sections as a single PDF file named “Support.pdf,” in accordance with the [formatting guidelines](#) specified in [Appendix 4](#).

- a. **References Cited and Acronyms and Symbol Definitions: No page limit.**

- **References Cited:** List all relevant references 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). The inclusion of Internet URLs to references is encouraged.
 - **Acronyms and Symbol Definitions:** Starting on a new page titled “Acronyms and Symbol Definitions,” provide a glossary of acronyms and symbols.
- b. Facilities & Other Resources: No page limit.** Describe the facilities available for performance of the proposed request and any additional facilities or equipment proposed for acquisition at no cost to the USAMRMC. Indicate if Government-owned facility or equipment is 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.
- c. Description of Existing Equipment: No Page Limit.** Include a description of existing equipment to be used for the proposed research project.
- d. Publications and/or Patent Abstracts: Five-document limit.** Include up to five relevant publication reprints and/or patent abstracts. A patent abstract should provide a non-proprietary description of the patent application. A maximum of five publication reprints and/or patent abstracts is allowed; extra items will not be reviewed.
- e. Transcripts:** Upload a copy of your transcripts from undergraduate and graduate institutions. All foreign-language transcripts must be accompanied by a certified English translation. The Government reserves the right to request an official transcript during award negotiations.
- f. Mentor’s Letter of Support: A letter from the PI’s primary mentor** describing his or her commitment to the PI’s training, career development, and mentorship.

The mentor’s letter of support should describe:

- The mentor’s commitment to the training, career development, and mentorship of the PI;
 - The mentor’s experience in conducting innovative breast cancer research;
 - The mentor’s record of training other postdoctoral fellows;
 - The proposed training program and how it will facilitate the PI’s career development as an innovator at the forefront of breast cancer research.
- g. Letters of Institutional Support:** Provide letter(s) of institutional support, signed by the Department Chair or appropriate institutional official, that reflects the laboratory space, equipment, and other resources available to the PI for this project.
- h. Letters of Collaboration (if applicable):** Provide a signed letter from each collaborating individual or institution.

Submitting material that was not requested may be construed as an attempt to gain a competitive advantage and such material will be removed; submitting such material may be grounds for administrative rejection of the proposal. *This section is not intended for additional figures, tables, graphs, photographs, diagrams, chemical structures, pictures, pictorials, cartoons, or other information needed to judge the proposal.*

Attachment 3: Technical and Public Abstracts. The technical and public abstracts must be submitted as a single PDF file named “Abstracts.pdf,” in accordance with the [formatting guidelines](#) specified in [Appendix 4](#). Abstracts of all funded proposals will be posted on the CDMRP website at <http://cdmrp.army.mil>. Proprietary or confidential information should *not* be included in either the technical or the public abstract.

Spell out all Greek letters, other non-English letters, and symbols. Graphics are not allowed in either abstract.

Technical Abstract: One-page limit. Use the outline below.

- **Training Plan**
 - Describe how the training plan supports the PI’s career goals in breast cancer research.
 - Describe the innovative nature of the PI’s training plan.
- **Research Plan**
 - Background: Present the ideas and reasoning behind the proposed work.
 - Objective/Hypothesis: State the objective/hypothesis to be tested. Provide evidence or rationale that supports the objective/hypothesis.
 - Specific Aims: State the specific aims of the study.
 - Study Design: Briefly describe the study design including appropriate controls.
 - Impact: Provide a brief statement explaining the impact of the proposed work to program goals. Describe how the proposed project will have an impact on breast cancer research or patient care.

Public Abstract: One-page limit. Start on a new page. The public abstract is an important component of the proposal review process because it addresses issues of particular interest to the consumer advocate community.

- Describe the PI’s career goals in breast cancer research or patient care.
 - How does the training plan support the PI in attaining these goals?
 - How does the research plan support the PI in attaining these goals?
- Describe the scientific objective and rationale for the proposal in a manner readily understandable by non-scientists.
 - Do not duplicate the technical abstract.

- Describe the ultimate applicability of the research.
 - What types of patients will it help and how will it help them?
 - What are the potential clinical applications, benefits, and risks?
 - What is the projected time it may take to achieve a consumer-related outcome?
- If the research is too basic for clinical applicability, describe the interim outcomes.
- What are the likely contributions of this study?
- How will the research enhance this or other studies being conducted?

Attachment 4: Statement of Work (SOW): Two-page limit. The SOW must be submitted as a single PDF file named “SOW.pdf,” in accordance with the [formatting guidelines](#) specified in [Appendix 4](#). The Statement of Work is a concise restatement of the research proposal that outlines, step by step, how each major goal or objective of the proposed research/services will be accomplished during the period for which the USAMRMC will provide financial support. When a proposal requesting funding as part of a larger study is submitted, the proposal’s Statement of Work must include aims to be funded by this proposal. The Statement of Work should:

- Describe the work or training plan to be accomplished as tasks (tasks may relate to specific aims);
- Identify the timeline and milestones for the work over the performance period for the proposed effort;
 - Allow at least 6 months for regulatory review and approval processes for studies involving human subjects;
 - Allow 2 to 4 months for regulatory review and approval processes for animal studies;
- For animal and human studies (including tissue, anatomical, or biological substances), indicate the sample size projected or required for each task;
- Identify methods; and
- Identify outcomes, products, and deliverables for each phase of the project.

Attachment 5: Eligibility Statement. Use the [Statement of Eligibility](#) template signed by the Department Chair, Dean, or equivalent official verifying the eligibility requirements described in [Section II.B](#) will be met by the time of proposal submission. The Statement of Eligibility must be submitted as a single PDF file named “Eligible.pdf,” in accordance with the [formatting guidelines](#) specified in [Appendix 4](#).

Attachment 6: Innovation Statement: One-half-page limit. The Innovation Statement must be submitted as a single PDF file named “Innovation.pdf,” in accordance with the [formatting guidelines](#) specified in [Appendix 4](#). Summarize how the proposal is innovative. The following examples of ways in which proposals may be innovative, *although not all-inclusive*, are intended to help PIs frame the innovative features of their proposals:

- Study concept - Investigation of a novel idea and/or research question.

- Research method or technology - Use of novel research methods or new technologies, including technology development, to address a research question.
- Clinical interventions - Use of a novel method or technology for preventing, detecting, diagnosing, or treatment.
- Existing methods or technologies - Application or adaptation of existing methods or technologies for novel research or clinical purposes, or for research or clinical purposes that differ fundamentally from those originally intended.

Investigating the next logical step as an extension of previous work or incremental advancement on published data is not considered innovative.

The Innovation Statement will be available for both peer and programmatic review.

Attachment 7: Impact Statement: One-half-page limit. The Impact Statement must be submitted as a single PDF file named “Impact.pdf,” in accordance with the [formatting guidelines](#) specified in [Appendix 4](#). State how the training program will be designed to offer a structured, well-rounded, focused experience in breast cancer research for the PI. Include how the training program will foster the PI’s likelihood to pursue a career in breast cancer research. State explicitly how the proposed work will have an impact on breast cancer research or patient care. Describe how the combination of innovation and the expected results of the proposal will contribute to the goals of eradicating the disease and advancing methods, concepts, prevention, diagnosis, or treatment of the disease or quality of life for patients.

The Impact Statement will be available for both peer and programmatic review.

Attachment 8: Federal Agency Financial Plan (if applicable). Proposals from Federal agencies *must* provide a plan delineating how all funds will be obligated by September 30, 2008, and how funds will be available to cover research costs over the entire award period. The plan must include the funding mechanism(s) that will be used to carry over funds between fiscal years, such as through agreements with foundations, non-Federal institutions, and universities. The Federal Agency Financial Plan must be submitted as a single PDF file named “FedFin.pdf,” in accordance with the [formatting guidelines](#) specified in [Appendix 4](#).

C. Research & Related Senior/Key Person Profile (Expanded Form)

Include the requested information for each senior/key person proposed on the project. Each attachment must be a single PDF file, in accordance with the [formatting guidelines](#).

1. PI Curriculum Vitae: No page limit. The PI should submit his or her complete curriculum vitae including employment, experience, honors, and a list of achievements that includes publications and patents. The publication list must not contain abstracts and should distinguish peer reviewed from non-peer reviewed publications. The PI should indicate up to three publications he or she considers most significant to the proposed work. The PI’s curriculum vitae must be saved as “CV_LastName.pdf” where “LastName” is the last name of the PI. Attach to PI Biographical Sketch field.

2. PI Current/Pending Support: No page limit. Current/Pending Support for the PI must be submitted as a PDF file in accordance with the [formatting guidelines](#) specified in [Appendix 4](#). This file must be named “Support_LastName.pdf,” where “LastName” is the last name of the PI.

Proposals submitted under this program announcement should not duplicate other funded research projects.

For all existing and pending research projects involving the PI include:

- Title
- Time commitments
- Supporting agency
- Name and address of the Funding Agency’s Procuring Contracting/Grants Officer
- Performance period
- Level of funding
- Brief description of the project’s goals
- List of the specific aims

Provide justification for the requested support and identify where the projects overlap or parallel. If no current support exists, enter “None.” Updated current and pending support will be required during award negotiations.

3. Key Personnel Biographical Sketches: Four-page limit per individual. Suggested format is provided as [Form 1](#). Each biosketch must be saved as “Biosketch_LastName.pdf” where “LastName” is the last name of the appropriate individual.

4. Key Personnel’s Current/Pending Support: No page limit. Current/Pending Support for each individual must be submitted as a PDF file in accordance with the [formatting guidelines](#) specified in [Appendix 4](#). Each file must be named “Support_LastName.pdf,” where “LastName” is the last name for the individual. Refer to “PI’s Current/Pending Support” above for content of this document, except substituting individual information for that of the PI.

D. Research & Related Budget Form

An estimate of the total research project cost, with a breakdown by category and year, must accompany each proposal. All costs must be entered in US dollars. Recipients performing research outside of the United States should include the cost in local currency, the rate used for converting to US dollars, and justification/basis for the conversion rate used.

The following cost regulations and principles must be adhered to budget calculations:

- **Subcontracting Indirect Costs:** When the applicant institution calculates its own indirect costs, it can only calculate indirect costs on the first \$25,000 of each subaward.

- **Maximum Obligation:** The USAMRMC does not amend grants to provide additional funds for such purposes as reimbursement for unrecovered indirect costs resulting from the establishment of final negotiated rates or for increases in salaries, fringe benefits, and other costs.
- **Cost Regulations and Principles:** Costs proposed must conform to the following regulations and principles:
 - **Commercial Firms:** Federal Acquisition Regulation (FAR) Part 31 and Defense FAR Supplement Part 31 (<http://farsite.hill.af.mil>), Contract Cost Principles and Procedures.
 - **Educational Institutions:** OMB Circular A-21, Cost Principles for Educational Institutions.
 - **Nonprofit Organizations:** OMB Circular A-122, Cost Principles for Nonprofit Organizations. OMB Circular A-133, Audits of Institutions of Higher Education and Other Nonprofit Organizations.
 - **State, Local, and Tribal Governments:** OMB Circular A-87, Cost Principles for State, Local, and Indian Tribal Governments.
 - **Cost of Preparing Proposals:** The cost of preparing proposals in response to this program announcement is not considered an allowable direct charge to any resultant contract, grant, or cooperative agreement. It is, however, an allowable expense to the bid and proposal indirect cost specified in FAR 31.205-18, and OMB Circulars A-21 and A-122.

Section A & B – Senior/Key Person and Other Personnel: The basis for labor costs should be predicated upon actual labor rates or salaries. Budget estimates may be adjusted upward to forecast salary or wage cost-of-living increases that will occur during the period of performance. The proposal should separately identify and explain the ratio applied to base salary/wage for cost-of-living adjustments and merit increases in the budget justification (Section K).

The qualifications of the PI and the amount of time that he or she and other professional personnel will devote to the research are important factors in selecting research proposals for funding. For each key staff member identified on the budget form, list the percentage of each appointment to be spent on this project.

Section C – Equipment Description: It is DOD policy that all commercial and nonprofit recipients provide the equipment needed to support proposed research. In those rare cases where specific additional equipment is approved for commercial and nonprofit organizations, such approved cost elements shall be separately negotiated.

An itemized list of permanent equipment is required, showing the cost for each item. Permanent equipment is any article of nonexpendable tangible property having a useful life of more than 2 years and an acquisition cost of \$5,000 or more per unit. The justification for the cost of each item of equipment included in the budget must be disclosed in the budget justification (Section K) to include:

- **Vendor Quote:** Show name of vendor and number of quotes received and justification if intended award is to other than the lowest bidder.
- **Historical Cost:** Identify vendor, date of purchase, and whether or not cost represented the lowest bid. Include reason(s) for not soliciting current quotes.
- **Estimate:** Include rationale for estimate and reasons for not soliciting current quotes.
- **Special test equipment to be fabricated by the contractor for specific research purposes and its cost.**
- **Standard equipment to be acquired and modified to meet specific requirements, including acquisition and modification costs; list separately.**
- **Existing equipment to be modified to meet specific research requirements, including modification costs. Do not include as special test equipment those items of equipment that, if purchased by the contractor with contractor funds, would be capitalized for Federal income tax purposes.**
- **Title of equipment or other tangible property purchased with Government funds may be vested in institutions of higher education or with nonprofit organizations, whose primary purpose is the conduct of scientific research. Normally, the title will vest in the recipient if vesting will facilitate scientific research performed by the institution or organization for the Government.**
- **Commercial organizations are expected to possess the necessary plant and equipment to conduct the proposed research. Equipment purchases for commercial organizations will be supported only in exceptional circumstances.**

Section D – Travel

- **Travel costs to attend one scientific/technical meeting per year.** Costs should not exceed \$1,800.
- **Travel costs associated with the execution of the proposed work.** If applicable, reasonable costs for travel between collaborating institutions should be included and are not subject to the yearly \$1,800 limitation on travel to meetings. Justification for these travel costs should be provided. Travel outside the United States, including between foreign countries, requires prior approval from USAMRAA 90 days before travel.
- **Travel to CDMRP-required meetings** (if applicable) ([Section II.C](#)). Costs should be reasonable.

Section E – Participant/Trainee Support Costs: This section is self-explanatory.

Section F – Other Direct Costs (as applicable)

Section F.1 – Materials and Supplies (Consumables): The justification (to be included in Section K) supporting material and supply (consumable) costs should include a general description of expendable equipment and supplies. If animals are to be purchased, state the species, strain (if applicable), and the number to be used. If human cell lines are to be purchased, state the source and the description.

Section F.2 – Publication Costs: This section is self-explanatory.

Section F.3 – Consultant Services: Regardless of whether funds are requested, the justification (to be included in Section K) should include the names and organizational affiliations of all consultants. State the daily consultant fee, travel expenses, nature of the consulting effort, and why consultants are required for the proposed research project.

Section F.4 – ADP/Computer Services: This section is self-explanatory.

Section F.5 – Subaward/Consortium/Contractual Costs: On the project’s Research and Related Budget Form, enter the total funds requested for (1) all subaward/consortium organization(s) proposed for the project and (2) any other contractual costs proposed for the project.

Section F.6 – Equipment or Facility Rental/User Fees: This section is self-explanatory.

Section F.7 – Alterations and Renovations: Not allowable.

Sections F.8–F.10 – Research-Related Subject Costs: Include itemized costs of subject participation in the research study. These costs are strictly limited to expenses specifically associated with the proposed study. The USAMRMC will not provide funds for ongoing medical care costs that are not related to a subject’s participation in the research study.

Sections F.8–F.10 – Other Direct Costs (if applicable): Include other anticipated direct costs that are not specified elsewhere in the budget. Unusual or expensive items should be fully explained and justified in Section K.

Section G – Direct Costs: This section is self-explanatory. All direct and indirect costs of any subaward must be included in the total direct costs of the primary award.

Section H – Indirect Costs (overhead, general and administrative, and other): The most recent rates, dates of negotiation, base(s), and periods to which the rates apply should be disclosed along with a statement identifying whether the proposed rates are provisional or fixed. If negotiated forecast rates do not exist, provide sufficient detail in the budget justification (Section K) regarding a determination that the costs included in the forecast rate are allocable according to applicable FAR/DFARS or OMB Circular provisions. Commercial firms can also visit www.dcaa.mil for additional information on indirect rates. Disclosure should be sufficient to permit a full understanding of the content of the rate(s) and how it was established. When the applicant institution calculates its own indirect costs, it can only calculate indirect costs on the first \$25,000 of each subaward.

As a minimum, justification for indirect costs should identify:

- All individual cost elements included in each forecast rate;
- The basis used to prorate indirect expenses to cost pools, if any;

- How each rate was calculated; and
- The distribution basis of each developed rate.

Section I – Total Direct and Indirect Costs: This section is self-explanatory.

Section J – Fee: A profit or fixed fee is not allowable on grants or cooperative agreements. If a profit/fee is negotiated, a contract will be awarded. Any fixed fee applied to the research project must be listed and any claimed Facilities Capital Cost of Money supported by **DD Form 1861** (www.dtic.mil/whs/directives/infomgt/forms/forminfo/forminfo2192.html) must be submitted with the proposal.

Section K – Budget Justification: The Budget Justification for the entire performance period must be attached as a PDF file named “Justification.pdf” to the Research & Related Budget – Section K (under budget period one). Organizations must provide sufficient detail and justification so that the Government can determine the proposed costs to be allocable and reasonable for the proposed research effort.

The budget justification must include information for all budget periods. This file must be uploaded for budget period one before you will be allowed to access subsequent budget periods.

E. Research & Related Project/Performance Site Location(s) Form

Indicate the primary site where the work will be performed. If a portion of the work will be performed at any other site(s), include the name and address for each collaborating location in the data fields provided. If more than eight performance site locations are proposed, provide the requested information in a separate file and attach to this form. Please note that each additional research site requesting funds will require a subcontract budget.

F. R&R Subaward Budget Attachment(s) Form (optional form; use if applicable)

Please note that the files to be attached to the R&R Subaward Budget Attachment(s) Form must be PureEdge documents. Extract an R&R Subaward Budget Attachment for each subaward, using the button provided on this form. Save each attachment to your computer and complete the form(s).

The Budget Justification for each subaward must be attached as a PDF file named “Justification_LastName.pdf” (where “LastName is the investigator of the subaward) to the Research & Related Budget – Section K for that subaward. Each subaward budget justification must include information for all budget periods. This file must be uploaded for budget period one before you will be allowed to access subsequent budget periods for the subaward. Once all subaward budget files are completed, attach all subaward budget file(s) for this application to the R&R Subaward Budget Attachment(s) Form.

The DUNS number for each subaward site should be included on this form.

A description of services or materials that are to be awarded by subcontract or subgrant is required. Organizations must provide sufficient detail and justification so that the Government can

determine the proposed costs to be allocable and reasonable for the proposed research effort. The following information must be provided on subawards totaling \$10,000 or more:

- Identification of the type of award to be used (e.g., cost reimbursement, fixed price);
- Identification of the proposed subcontractor or subgrantee, if known, and an explanation of why and how the subcontractor or subgrantee was selected or will be selected;
- Whether the award will be competitive and, if noncompetitive, rationale to justify the absence of competition; and
- The proposed acquisition price.
- The applicant's cost or price analysis for the subgrant or subcontract proposed price (applicable only if the award exceeds \$500,000).

If the resultant award is a contract that exceeds \$500,000 and the applicant is a large business or an educational institution (other than a Historically Black College or University/Minority Institution), the applicant is required to submit a subcontracting plan for small business and small disadvantaged business concerns, in accordance with FAR 19.7. A mutually agreeable plan will be incorporated as part of the resultant contract.

APPENDIX 4

FORMATTING GUIDELINES

The proposal must be clear and legible and conform to the formatting guidelines described below. The font size, spacing, page size, and margins may differ between the word processing, PDF, and printed versions. These guidelines apply to the document properties of the electronic version of the PDF file(s) as viewed on a computer screen.

- **Document Format:** All attachments must be in PDF, except for the pre-application file (XML file) attached to block 20 of SF-424.
- **Font Size:** 12 point or larger.
- **Font Type:** Times New Roman is strongly recommended.
- **Spacing:** No more than six lines of type within a vertical inch (2.54 cm).
- **Page Size:** No larger than 8.5 inches x 11.0 inches (21.59 cm x 27.94 cm).
- **Margins:** Must be at least 0.5 inch (1.27 cm) in all directions.
- **Print Area:** 7.5 inches x 10.0 inches (19.05 cm x 25.40 cm).
- **Color, High-Resolution, and Multimedia Objects:** Proposals may include color, high-resolution, or multimedia objects (e.g., MPEG, WAV, or AVI files) embedded in the PDF files; however, these objects must not exceed 15 seconds in length and a size of 10 MB. Since some reviewers work from black and white printed copies, Principal Investigators may wish to include text in the proposal directing the reviewer to the electronic file for parts of the proposal that may be difficult to interpret when printed in black and white. Photographs and illustrations must be submitted in JPEG format; bit map or TIFF formats are not allowed.
- **Internet URLs:** URLs directing reviewers to websites containing additional information about the proposed research are not allowed in the proposal or its components. Inclusion of such URLs may be perceived as an attempt to gain an unfair competitive advantage. Links to publications referenced in the proposal are encouraged.
- **Language:** English.
- **Headers and Footers:** Should not be used.
- **Page Numbering:** Should not be used.

All attachments that require signatures must be filled out, printed, signed, scanned, and then uploaded as a PDF file.

APPENDIX 5

AWARD ADMINISTRATION INFORMATION

A. Award Notices

Each Principal Investigator (PI) will receive notification of the award status of his or her proposal. A copy of the peer review summary statement, if applicable, will be posted to the Congressionally Directed Medical Research Programs (CDMRP) eReceipt system. PIs can expect to receive this notification approximately 4 weeks after programmatic review.

B. Administrative Requirements

Awards are made to organizations, not individuals. The PI must submit a proposal through, and be employed by or affiliated with, a university, college, nonprofit research institution, commercial firm, or Government agency (including military laboratories) to receive support. A prospective recipient must meet certain minimum standards pertaining to institutional support, financial resources, record of performance, integrity, organization, experience, operational controls, facilities, and conformance with safety and environmental statutes and regulations (OMB Circular A-110 and Department of Defense [DOD] Grant and Agreement Regulations) to be eligible for an award. Any organization requesting receipt of an award through this program announcement must be registered in the Central Contractor Registration (CCR) database. Access to the CCR online registration is through the CCR homepage at <http://www.ccr.gov>.

If allowed, a change in institutional affiliation will require the investigator to resubmit the entire proposal packet through his or her new institution to include any regulatory documentation that may require protocols, etc., to be approved for the new institution. The investigator's original institution must agree to relinquish the award. Any delay in the submission of the new information will result in a delay in contracting and regulatory review and a subsequent delay in resuming work on the project.

C. Award Negotiation

Award negotiation consists of discussions, reviews, and justifications of critical issues involving the US Army Medical Research Acquisition Activity (USAMRAA). A Contract Specialist and/or representative from the USAMRAA will contact the Contract Representative authorized to negotiate contracts and grants at the PI's institution. Additional documentation and justifications related to the budget may be required as part of the negotiation process.

The award start date will be determined during the negotiation process.

D. Disclosure of Proprietary Information outside the Government

By submitting a proposal, the PI understands that proprietary information may be disclosed outside the Government for the sole purpose of technical evaluation. The US Army Medical Research and Materiel Command (USAMRMC) will obtain a written agreement from the evaluator that proprietary information in the proposal will only be used for evaluation purposes

and will not be further disclosed or used. Funded proposals may be subject to public release under the Freedom of Information Act; proposals that are not selected for funding are not subject to public release.

E. Government Obligation

PIs are cautioned that only an appointed Contracting/Grants Officer may obligate the Government to the expenditure of funds. No commitment on the part of the Government to fund preparation of a proposal or to support research should be inferred from discussions with a technical project officer. PIs who, or organizations that, make financial or other commitments for a research effort in the absence of an actual legal obligation signed by the USAMRAA Contracting/Grants Officer do so at their own risk.

F. Information Service

PIs may use the technical reference facilities of the National Technical Information Service (www.ntis.gov), for the purpose of surveying existing knowledge and avoiding needless duplication of scientific and engineering effort and the expenditure thereby represented. All other sources also should be consulted to the extent practical for the same purpose.

G. Inquiry Review Panel

PIs may submit a letter of inquiry to the USAMRMC in response to funding decisions made for a given proposal. Members of the CDMRP staff, the USAMRMC Judge Advocate General staff, and USAMRAA Grants Officers constitute an Inquiry Review Panel and review each inquiry to determine whether factual or procedural errors in either peer or programmatic review have occurred, and if so, what action should be taken.

H. Title to Inventions and Patents

In accordance with the Bayh-Dole Act (Title 35, United States Code, Sections 200 et seq.), title to inventions and patents resulting from such Federally funded research may be held by the grantee or its collaborator, but the US Government shall, at a minimum, retain nonexclusive rights for the use of such inventions. An investigator must follow the instructions in the assistance agreement concerning license agreements and patents.

I. J-1 Visa Waiver

It is the responsibility of the awardee to ensure that the research staff is able to complete the work without intercession by the DOD for a J-1 Visa Waiver on behalf of a foreign national in the United States under a J-1 Visa.

APPENDIX 6

REGULATORY REQUIREMENTS AND REVIEWS

The Principal Investigator (PI) may not use, employ, or subcontract for the use of any human subjects, human biological substances, or laboratory animals until applicable regulatory documents are requested, reviewed, and approved by the US Army Medical Research and Materiel Command (USAMRMC).

Concurrent with the US Army Medical Research Acquisition Activity (USAMRAA) negotiation, the Office of Surety, Safety and Environment will review the Certificate of Environmental Compliance and the Principal Investigator Safety Program Assurance form to be submitted upon request. The applicable USAMRMC regulatory office will review documents related to research involving human subjects, human anatomical substance use, and animal use, which should be submitted upon request to ensure that Department of Defense (DOD) regulations are met.

A. Certificate of Environmental Compliance

The Certificate of Environmental Compliance will be requested at award negotiations. If multiple research sites/institutions are funded in the proposal, then a Certificate of Environmental Compliance for each site will also be requested.

B. Safety Program Documents

The Principal Investigator Safety Program Assurance form will be requested at award negotiations.

A Facility Safety Plan is required; it will be requested at award negotiations. A Facility Safety Plan from the PI's institution may have been received previously and approved by the USAMRMC. A list of institutions that have approved Facility Safety Plans can be found on the USAMRMC website at https://mrmc.amedd.army.mil/docs/rcq/sohd/Facility_Safety_Plan_Approved_Institutions.pdf. If the PI's institution is not listed on the website, contact the institution's Facility Safety Director/Manager to initiate completion of the institution-based Facility Safety Plan. Specific requirements for the Facility Safety Plan can be found at <https://mrmc.detrick.army.mil/docs/rcq/FY02FSPAppendix.doc>.

If multiple research sites/institutions are funded in the proposal, a Facility Safety Plan for each site/institution not listed in the aforementioned website will be requested at a later date.

C. Research Involving Animal Use

Specific documents relating to the use of animals in the proposed research will be requested by the Congressionally Directed Medical Research Programs (CDMRP) if the proposal is selected for funding (these documents should not be submitted with the proposal). The Animal Care and Use Review Office (ACURO), a component of the USAMRMC Office of Research Protections (ORP; formerly Regulatory Compliance and Quality), must review and approve all animal use

prior to the start of working with animals. PIs must complete and submit the animal use appendix titled “Research Involving Animals”, which can be found on the ACURO website (<https://mrmc-www.army.mil/rodorpaurd.asp>). Allow 2 to 4 months for regulatory review and approval processes for animal studies.

Specific requirements for research involving animals can be found at <https://mrmc.detrick.army.mil/docs/rcq/FY05AnimalAppendix.doc>.

D. Research Involving Human Subjects or Biological Substances

For all other studies, documents related to the use of human subjects or substances will be requested by the CDMRP if the proposal is selected for funding (these documents should not be submitted with the proposal). However, if the proposal requests support for a clinical trial the PI is required to submit a clinical protocol in addition to the proposal by the receipt deadline.

In addition to local Institutional Review Board (IRB) approval to conduct research involving human subjects or biological substances, a second tier of human subjects regulatory review and approval is required by the DOD, which is conducted by the USAMRMC ORP, Human Research Protection Office (HRPO). The HRPO is mandated to comply with specific laws and directives governing all research involving human subjects that is conducted or supported by the DOD. These laws and directives are rigorous and detailed and will require information in addition to that supplied to the local review board. The recommendations of the second-tier HRPO review must be considered by the local IRB; therefore, to expedite the review of research involving human subjects or biological substances, PIs should not submit documentation to their local IRB until they have received an initial review by HRPO.

Allow at least 6 months for regulatory review and approval processes for studies involving human subjects.

1. Requirements: Specific requirements for research involving human subjects or human biological substances can be found at <https://mrmc.amedd.army.mil/rodorptoolkit.asp>.

Personnel involved in human subjects research must have appropriate instruction in the protection of human subjects. Documentation confirming that this instruction has been completed will be required during the regulatory review process.

It is expected that there will be timely resolutions of human subjects protocols submitted to the investigator’s local IRB.

Additional information pertaining to the human subjects regulatory review process, guidelines for developing protocols, and suggested language for specific issues can be found at: <https://mrmc.detrick.army.mil/rodorphrpo.asp>.

2. Informed Consent Form: An informed consent form template is located at <https://mrmc.detrick.army.mil/docs/rcq/Proconsent/ConsentFormGuidelines.doc>.

3. Intent to Benefit: Investigators must consider the requirements of Title 10 United States Code Section 980 (10 USC 980; <http://www.dtic.mil/biosys/downloads/title10.pdf>)

applicable to DOD-sponsored research before writing a research protocol. 10 USC 980 requires that “Funds appropriated to the Department of Defense may not be used for research involving a human being as an experimental subject unless (1) the informed consent of the subject is obtained in advance; or (2) in the case of research intended to be beneficial to the subject, the informed consent may be obtained from a legal representative of the subject.”

Furthermore and consistent with the Common Federal Policy for the Protection of Human Subjects, if an individual cannot give his or her own consent to participate in a research study, consent of the individual’s legally authorized representative must be obtained before the individual’s participation in the research. Moreover, an individual not legally competent to consent (e.g., incapacitated individuals, incompetents, minors) may not be enrolled in a DOD-supported experiment unless the research is intended to benefit each subject enrolled in the study. For example, a subject may benefit directly from medical treatment or surveillance beyond the standard of care. Investigators should be aware that this law makes placebo-controlled clinical trials problematic because of the “intent to benefit” requirement whenever participation is sought of subjects from whom consent must be obtained by the legally authorized representative.

4. Conditions Regarding DOD Funding of Research on Human Embryonic Stem Cells:

Research involving the derivation and use of human embryonic germ cells from fetal tissue may be conducted with DOD support *only* when the research is in compliance with 45 CFR 46, Subpart B (Title 45 of the Code of Federal Regulations, Section 46, Subpart B); 42 USC 289g through 289g 2; US Food and Drug Administration regulations; and any other applicable Federal, state, and local laws and regulations.

Research on existing human embryonic stem (hES) cell lines may be conducted with Federal support through the DOD *only* if the cell lines meet the current US Federal criteria as listed on the following National Institutes of Health (NIH) website (<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-02-005.html>). A list of the currently approved cell lines can be obtained from the NIH Human Embryonic Stem Cell Registry (<http://stemcells.nih.gov/research/registry>). The NIH code should be used to identify the cell lines in the proposal.

Research involving the derivation of new stem cells from human embryos or the use of hES cells that are not listed on the NIH Human Embryonic Stem Cell Registry may not be conducted with Federal support through the DOD.

This restriction applies to hES cells derived from blastocysts remaining after infertility treatments and donated for research, blastocysts produced from donated gametes (oocytes and sperm) for research purposes, and the products of nuclear transfer. The research is subject to all applicable local, state, and Federal regulatory requirements.

APPENDIX 7

REPORTING REQUIREMENTS

The Government requires reports to be submitted for continuation of the research and funding. The specific reports due to the Government will be described in each award instrument. (Full US Army Medical Research and Materiel Command reporting requirements can be found at <https://mrmc-www.army.mil>, under “Links and Resources.”) ***Failure to submit required reports by the required date may result in a delay in or termination of award funding.***

Reporting requirements include the following:

- 1. Research Progress Reports.** Reporting requirements consist of an annual report (for each year of research except the final year) that presents a detailed summary of scientific issues and accomplishments and a final report (submitted in the last year of the award period) that details the findings and issues for the entire project. Additional reporting may be required as stipulated during award negotiations. Copies of all scientific publications and patent applications resulting from Congressionally Directed Medical Research Programs funding should be included in the progress report. The Government reserves the right to request additional reports.
- 2. Fiscal Reports.** Quarterly fiscal report requirements may include the Standard Form Report, SF 272, Federal Cash Transaction, used for grants and cooperative agreements to track the expenditure of funds on the research project.
- 3. Non-Exempt Human Studies Reports.** For non-exempt human subjects research, documentation of local Institutional Review Board (IRB) continuing review (in the intervals specified by the local IRB, but at least annually) and approval for continuation must be submitted directly to the Office of Research Protections – Human Research Protection Office.
- 4. Animal Use Reports.** Principal Investigators are required to submit annual animal use information for a report to Congress, verification of annual protocol review, and notification of protocol suspension or revocation. Institutions are required to provide updated US Department of Agriculture reports and notification of changes to accreditation status as verified by the Association for Assessment and Accreditation of Laboratory Animals and Office of Laboratory Animal Welfare.

APPENDIX 8

ACRONYM LIST

ACURO.....	Animal Care and Use Office
ADP.....	Automated Data Processing
AOR.....	Authorized Organizational Representative
ARP.....	Autism Research Program
AVI.....	Audio Video Interleave
BCRP.....	Breast Cancer Research Program
CCR.....	Central Contractor Registration
CDMRP.....	Congressionally Directed Medical Research Programs
CFDA.....	Catalog of Federal Domestic Assistance
CFR.....	Code of Federal Regulations
cGMP.....	Current Good Manufacturing Practices
CAGE.....	Commercial and Government Entity
COI.....	Conflicts of Interest
CMLRP.....	Chronic Myelogenous Leukemia Research Program
CR.....	Contract Representative
DFARS.....	Department of Defense Federal Acquisition Supplement
DOD.....	Department of Defense
DODGAR.....	Department of Defense Grant and Agreement Regulations
DUNS.....	Data Universal Number System
EIN.....	Employer Identification Number
EPLS.....	Excluded Parties List System
FAR.....	Federal Acquisition Regulation
FDA.....	Food and Drug Administration
FY.....	Fiscal Year
GCP.....	Good Clinical Practice
GLP.....	Good Laboratory Practice
GWVIRP.....	Gulf War Veterans' Illnesses Research Program
HBCU/MI.....	Historically Black Colleges and Universities/Minority Institutions
HIPAA.....	Health Insurance Portability and Accountability Act
hES.....	Human Embryonic Stem
HRPO.....	Human Research Protection Office
HSRRB.....	Human Subjects Research Review Board
IDE.....	Investigational Device Exemption
IND.....	Investigational New Drug
IP.....	Integration Panel
IRB.....	Institutional Review Board
IRS.....	Internal Revenue Service
JPEG.....	Joint Photographic Experts Group
LAR.....	Legally Authorized Representative
LOI.....	Letter of Intent
M.....	Million
MB.....	Megabyte

MPEGMoving Picture Experts Group
NIHNational Institutes of Health
NFRP.....Neurofibromatosis Research Program
OCRPOvarian Cancer Research Program
OMBOffice of Management and Budget
ORP.....Office of Research Protections
PCRP.....Prostate Cancer Research Program
PDFPortable Document Format
PI.....Principal Investigator
P.L.....Public Law
POC.....Point of Contact
PRMRPPeer Reviewed Medical Research Program
R&R OPI.....Research & Related Other Project Information
SOW.....Statement of Work
SPORESpecialized Programs of Research Excellence
TIFFTagged Image File Format
TIN.....Tax Identification Number
TSCRIPTuberous Sclerosis Complex Research Program
URL.....Uniform Resource Locator
USAMRAA.....US Army Medical Research Acquisition Activity
USAMRMCUS Army Medical Research and Materiel Command
USC.....United States Code
WAVWaveform Audio
XML.....Extensible Markup Language

IX. CDMRP-SPECIFIC FORMS

FORM 1

BIOGRAPHICAL SKETCH

Provide the following information for each individual included in the Research & Related Senior/Key Person Profile (Expanded) Form.

NAME		POSITION TITLE	
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training).			
INSTITUTION AND LOCATION	DEGREE (IF APPLICABLE)	YEAR(S)	FIELD OF STUDY

RESEARCH AND PROFESSIONAL EXPERIENCE: Concluding with present position, list in chronological order, previous employment, experience, and honors. Include present membership on any Federal Government public advisory committee. List in chronological order the titles, all authors, and complete references to all publications during the past 3 years and to representative earlier publications pertinent to this application. If the list of publications in the last 3 years exceeds 2 pages, select the most pertinent publications. PAGE LIMITATIONS APPLY. DO NOT EXCEED 4 PAGES FOR THE ENTIRE BIOGRAPHICAL SKETCH PER INDIVIDUAL.

RESEARCH AND PROFESSIONAL EXPERIENCE (CONTINUED). PAGE LIMITATIONS APPLY. DO NOT EXCEED 4 PAGES FOR THE ENTIRE BIOGRAPHICAL SKETCH PER INDIVIDUAL.

FORM 2
STATEMENT OF ELIGIBILITY

Fiscal Year 2007

PI's Name: _____

Title of Proposal: _____

PI's Organization Name: _____

PI's Organization Location: _____

Signature of PI: _____

I certify that the above-named PI fulfills the requirements to be considered for this award and specifically meets the criteria described in the program announcement.

Name of Official (please print): _____

Title: _____

Organization: _____

Signature of Official: _____ Date: _____