



California Breast Cancer Research Program

Call for Applications

Cycle 28
2021-2022

UNIVERSITY
OF
CALIFORNIA

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CBCRP Background

The California Breast Cancer Research Program (CBCRP) is pleased to present our 2021- 2022 Cycle 28 *Call for Applications*. **The CBCRP funds research only in California.**

The mission of the CBCRP is to prevent and eliminate breast cancer by leading innovation in research, communication, and collaboration in the California scientific and lay communities.

In 1993, California breast cancer activists joined forces with scientists, clinicians, state legislators, and University of California officials to catapult the State into national leadership for breast cancer research. The activists, most of them women who had survived or currently had breast cancer, were impatient with the slow pace of progress against the disease. With their allies, they wrote and won passage of statewide legislation to push breast cancer research in new, creative directions. The California Breast Cancer Act increased the tobacco tax by 2¢ per pack, with 45 percent of the revenue going to the CBCRP. We also receive support from donations to a designated line on State income tax returns and private contributions. The CBCRP has provided more than \$270 million in research funds since 1993.

CBCRP Research Funding Priorities

In March 2010, after three years of intense analysis, our California Breast Cancer Research Council launched a bold, new funding strategy to focus on CBCRP successes and California's unique research opportunities. (Read our [New Funding Strategy](https://www.cbcpr.org/files/2010_fundingStrategy.pdf) (https://www.cbcpr.org/files/2010_fundingStrategy.pdf) publication for more information). In 2015, the Council completed an analysis of the results of the 2010 funding strategy and decided to continue offering the award types described below through 2022, but to prioritize research that will impact public health outcomes. The projected distribution of CBCRP funding allocated to our award types and initiatives is shown in the following table.

CBCRP Award Types and Initiatives	Projected Amount Available in 2021-2022
IDEA and Translational Awards	Approximately \$2 Million
Community Research Collaborations (CRC Pilot and Full Awards)	Approximately \$2 Million
CBCRP Conference Award	\$50,000
Program-directed Initiatives (environment, disparities & prevention)*	Approximately \$4.1 Million
Policy Initiative*	\$150,000

*The Program-Directed and Policy Initiative funds are distributed off-cycle on a project-specific basis. See the [CBCRP website](https://www.cbcpr.org/funding-opportunities/sri/) (<https://www.cbcpr.org/funding-opportunities/sri/>) for more information.

Letter of Intent (LOI) and Application Deadlines

LOIs and applications must be submitted online through [SmartSimple \(https://ucop.smartsimple.com/\)](https://ucop.smartsimple.com/). Forms and instructions for LOIs and conference award applications will be available by September 1, 2021. The funding start date for all awards except the Conference Awards will be August 1, 2022. The Standard Conference Award start date will be January 15, 2022, and the Community-Led Conference Award will be June 1, 2022.

PLEASE NOTE:

- CBCRP has only **one funding cycle** per year with the submission deadlines listed in the table below.
- The IDEA and Translational Research Awards require a **Letter of Intent (LOI)** and a subsequent invitation from the CBCRP to submit a full application. We expect to issue invitations to approximately half of those who submit LOI's.

CBCRP Program (i.e., Award Type)	Application item	Submission date
IDEA and Translational Research Award	LOI (required) Full application	October 21, 2021 March 3, 2022
Community Research Collaborations (CRC): Pilot and Full Awards	Pre-application research plan (optional)* Full application	November 4, 2021 March 3, 2022
Conference Awards**	Standard – Full application Community-Led – LOI (required) Community-Led – Full application	November 4, 2021 November 4, 2021 February 24, 2022

* Participation is optional, and is appropriate for applicants who would like to receive feedback on their research plan prior to a full submission.

** Contact conferenceaward@cabreastcancer.org for information on Conference Awards.

Application Review and Funding Process

Before applying to the CBCRP for grant funding, you should consider our program's background, funding strategy, and existing portfolio. Our focus is specifically targeted to breast cancer, so researchers outside this field should cultivate collaborations or develop preliminary data in breast cancer prior to applying. Make sure your research project matches our priority issues and award types presented in this booklet.

We encourage applicants to contact the CBCRP program officers at getinfo@cbcrp.org to discuss any questions about the selection of priority issue and award type.

To better understand our funding interests, we invite you to review the CBCRP-funded portfolio on our website (<https://www.cbcrp.org/funding-opportunities/>). We are interested in funding novel topics not yet represented in the portfolio of the CBCRP or other funding agencies. If you have received prior CBCRP funding, it is especially important for you to distinguish a newly submitted project from past projects. We also encourage you to inspect your topic area on the International Cancer Research Portfolio (ICRP) website: <https://www.icrpartnership.org/>

You should carefully consider our evaluation and funding process. All applications except conference awards will be reviewed for scientific merit and programmatic relevance in multiple steps:

- **LOI Review (IDEA and Translational Research Awards only):** The CBCRP council will review and invite applications that are most responsive to program award type, research priority issue (topic), and plans for advocacy involvement. Feedback will not be provided.
- **Application peer review:** Out-of-State researchers and advocates will rate applications for scientific merit attributes (e.g., innovation, impact, approach, etc.) and provide written feedback.
- **Final programmatic review:** The CBCRP council will review scientifically meritorious applications for programmatic relevance, portfolio balance, advocacy involvement, and peer review panel funding recommendations.

The decision to offer funding is determined by a combination of scientific merit and programmatic responsiveness. Applicants will receive a detailed peer review evaluation summary with key points from the review committee discussion and information on the programmatic review and funding decision.

Advocacy Involvement in LOIs, Applications, and Funded Research

The CBCRP was established through the vision and efforts of breast cancer advocates, and we are deeply committed to advocate involvement in all aspects of our program. Health and medical research projects greatly benefit from being directly informed by the experiences and knowledge of those affected: namely, those who have or had the disease, those who care for people with the disease, or those who represent a specific community impacted by the disease. Therefore, the CBCRP requires breast cancer or other appropriate community advocates be actively involved in the research we fund. Applicants are expected to work with advocate(s) affiliated with an organization. LOIs and applications are evaluated on the extent to which advocates are substantively involved in the project. Advocates from outside California participate in the peer review of every application, and California-based advocates represent one-third of the CBCRP council membership. CBCRP staff can assist applicants with meeting the advocacy involvement requirement.

CBCRP REQUIREMENTS FOR ADVOCACY INVOLVEMENT INCLUDE:

- **LOIs (for IDEA and Translational awards only).** The PI must show evidence of involvement of advocates. Specifically, give the name the advocacy/community organization that they plan to work with on the full application, describe why the organization is appropriate for the proposed research project, and attach written documentation (an email is sufficient) from the advocate or a representative of the advocacy organization demonstrating their willingness to explore participating in the research application, should the LOI be approved. In addition, describe the role of advocate/s in the project design, implementation, interpretation, and dissemination.
- **IDEA and Translation award full applications.** Requirements include involving appropriate advocate(s) in the proposed research; a detailed description of how the advocate(s) will be involved in the project; submission of a Letter of Commitment co-signed by the research advocate(s) and the PI; and a budget line item and justification covering the advocate(s) time, effort, and expenses on the project. The PI, research staff and advocate(s) must hold at least quarterly, in-person meetings to discuss project progress and plans.
- **Active IDEA and Translational Grants.** The PI and the designated advocacy or community organization must hold regular planned meetings (quarterly is recommended) to discuss project progress and community priorities.

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- **Community Research Collaborations (CRC).** Advocacy involvement in the CRC Awards is distinct from that of the IDEA and Translation Award, due to the structure of the project. CRCs are community based participatory research, which includes collaborative decision-making and shared power in all phases of a research project. Therefore, in the CRC Awards, a Community Co-PI is an equal partner in the investigative team with an Academic Co-PI. Community Co-PIs can have a range of experience with advocacy-related work specific to breast cancer. Community Co-PIs must have strong and significant ties to the community that is of interest in the project. Additionally, the investigative team must involve the larger community in the project (e.g., through the establishment of a community advisory board).

It is important to consider the perspective of those involved in research. For that reason, if your project includes a specific population of interest (for example, men with breast cancer), you should include one or more advocates from an organization that represents that population. If you have never worked with breast cancer or community advocates on a research project before, please check out the [Advocacy Resources](https://www.cbcrp.org/approach/advocacy-involvement/) (<https://www.cbcrp.org/approach/advocacy-involvement/>) on our website and feel free to contact the CBCRP staff to help get you started.

HOW DOES ADVOCACY INVOLVEMENT STRENGTHEN BREAST CANCER RESEARCH?

The CBCRP aims to fund research that will make an immediate impact on breast cancer. We believe that the best way to achieve this goal is to utilize the talents and knowledge of all members of the breast cancer community. Advocates are closer to the practical applications of the research findings and can identify the needs of patients, families and communities that still need to be addressed. They help to ensure that the research is relevant and that the research findings are applied as soon as it is feasible.

What does advocacy involvement do for research and the community?

- Focuses research on questions of greatest relevance
- Provides encouragement to researchers and emphasizes the urgency of finding solutions
- Improves the quality of the research (e.g., increases validity of survey instruments, improves recruitment and retention of participants, encourages culturally competent interpretation of findings)
- Encourages practical application of research findings
- Facilitates more effective dissemination of research findings to affected communities, health care providers, and policymakers
- Increases funding for research
- Informs lay people about the research that affects their lives, families and communities
- Empowers advocates to guide the breast cancer research agenda to answer their questions

CBCRP Research Priority Issues

To be responsive and eligible for funding, each applicant must explain how their proposed research addresses one or more of our priority issues. The descriptions below are intended to cover broad breast cancer research topics and the *examples* provided are not all inclusive.

I. The Community Impact of Breast Cancer: The Social Context

Overview: What are factors that contribute to the unequal burden of breast cancer among diverse communities? Are there policy alternatives that would contribute to reducing disparities in access to prevention, risk reduction, detection, treatment, support, and/or survivorship services for California's underserved populations? What is the influence of poverty, race/ethnicity, and environmental factors on breast cancer? What are the sociocultural, behavioral, and psychological issues of those affected by breast cancer and what services are needed to reduce the suffering caused by the disease? We encourage health policy; health services; and sociocultural, behavioral, and psychological research that address disparities and the burden of breast cancer among California's diverse communities.

Specific topics include:

- **Health Policy**

We encourage research examining the impact of public and private health policy on issues related to prevention, risk reduction, detection, and treatment of breast cancer as well as research into the formulation of policy alternatives that would reduce disparities related to prevention, risk reduction, detection, and treatment of breast cancer.

- **Health Services**

We encourage research examining the delivery of breast cancer-related services and how to most effectively deliver services, especially to the underserved.

- **Sociocultural, Behavioral and Psychological Issues Relevant to Breast Cancer: The Human Side**

We encourage research into the sociocultural, behavioral, and psychological issues of those affected by breast cancer or at high risk for the disease. Research that examines patient and practitioner interactions, enhancing quality of life, long-term survival, and participation in clinical research is encouraged; especially research addressing the needs of high-risk and underserved populations.

- **Disparities: Eliminating the Unequal Burden of Breast Cancer**

We encourage research that aims to reduce disparities in breast cancer incidence, morbidity, and mortality. These include disparities in access to prevention, risk reduction, treatment, and/or survivorship services based on factors related to race/ethnicity, socioeconomic status, geographic location, sexual orientation, ability, age, occupation, and/or other factors. Intervention research that reduces disparities is encouraged.

II. Etiology and Prevention: Finding the Underlying Causes

Overview: What environmental and biological factors interact to increase the risk of developing breast cancer? What approaches can be used to reduce or eliminate breast cancer risk? We especially encourage new California-based studies that seek an understanding of the environmental and lifestyle causes of breast cancer, and how these factors increase risk and impact different California communities.

Specific topics include:

- **Etiology: The Role of Environment and Lifestyle**

We encourage studies on breast cancer initiation that may be due to environmental exposures that subject women to agents that they, as individuals, cannot control. Other key topics of interest include breast cancer causes related to lifestyle (e.g., diet, exercise) and the underlying metabolic, hormonal, and environmental interactions. Studies on causative gene-environment interactions specific to breast cancer, especially those having the potential to lead to prevention strategies, are encouraged.

- **Prevention and Risk Reduction: Ending the Danger of Breast Cancer**

Research exploring methods to prevent breast cancer or reduce risk, including elimination of external causative factors and the identification of surrogate markers for use in prevention trials are encouraged. Examples include nutritional factors, xenoestrogens, exercise, studies of genetic variation, and methods to modify known breast cancer genes and risk factors. Basic science research (e.g., using molecular, cell, and animal models) on the genetic, mechanistic causes of breast cancer (e.g., p53 and BRCA genes) should be submitted under the **Biology of the Breast Cell** topic.

III. Biology of the Breast Cell: The Basic Science of the Disease

Overview: Although basic science research in cancer is well-supported by other agencies, there remains a critical need to understand the pre-neoplastic, causative events of breast cancer at the tissue level, including the stroma. The genetic changes in disease progression and the tumor heterogeneity need clarification at the basic science level. Breast cancer stem cell research is especially encouraged.

Specific topics include:

- **Biology of the Normal Breast: The Starting Point**

Research should explore aspects of normal breast biology (e.g., aging) that are linked to the earliest stages of breast cancer, and which could provide insights into new approaches to prevent, detect, or treat the disease.

- **Pathogenesis: Understanding the Disease**

Research must specifically focus on breast cancer tumor and stromal biology, including: (1) studies of relevant proteins and genes with an emphasis on their relationship to the actual disease, and (2) elucidating key cell signaling, growth control, cell cycle, and apoptosis pathways. We especially encourage new research on the process of metastasis and the development of tools and models to better understand the key metastatic events that impact patient survival.

IV. Detection, Prognosis and Treatment: Delivering Clinical Solutions

Overview: Clinical advances for breast cancer will utilize novel imaging technologies, new biomarkers, and genomic/proteomic approaches for more accurate diagnosis and prognosis. We encourage projects whose aims are on the critical path for translation. We support research into less toxic and more individualized therapies, mechanisms of drug resistance, and studies to evaluate alternative medicines and natural products.

Specific topics include:

- **Imaging, Biomarkers, and Molecular Pathology: Improving Detection and Diagnosis**

We encourage research into new, cost-effective technological and biological approaches for molecular imaging and new approaches for tumor analysis at the individual patient level. This includes advanced types of molecular classification, new biomarker development, and improved technologies for patient diagnosis and prognosis, especially using techniques to replace the current practice of screening mammography and biopsy.

- **Innovative Treatment Modalities: Searching for a Cure**

Promising leads from biology-based studies are encouraged to begin the critical path to clinical translation. Examples include immunotherapy, delivery technologies, gene therapy, new drug development/testing, and new approaches to clinical decision-making. Testing investigational anti-breast cancer agents for mechanism of action and identifying target patient populations are encouraged.

CBCRP Award Types

COMMUNITY RESEARCH COLLABORATION AWARDS

Purpose/Requirements: The California Breast Cancer Research Program (CBCRP) believes that communities affected by breast cancer can take a leading role in research into the disease. Since 1997, our Community Research Collaboration (CRC) awards have funded community organizations—such as a breast cancer advocacy organization, community clinics, and other organizations serving women with breast cancer—to work in teams with well-trained, experienced research scientists. The teams work collaboratively through each stage of the research process, including: decision-making on which breast cancer questions are most important to them; determining the best research methods to use to answer these questions; gathering and interpreting data; and communicating findings to other community members, scientists, and the public. CRC teams have carried out sound and reliable research, and have generated results that can be applied to other communities. CRC teams are realizing the CBCRP's vision of funding innovative and important research that will reduce the suffering caused by breast cancer and impact public health outcomes by combining the existing knowledge, interest, expertise, and resources of communities and research scientists.

We invite you to become part of this tradition of innovative community-based participatory research by applying for a CRC award. More information about the CRC awards, including issues to consider and the types of projects we fund, can be found on our website at <https://www.cbcrp.org/funding-opportunities/crc/>.

Two CRC funding mechanisms are available:

- The **CRC Pilot award** supports the initial phase of the project, which includes strengthening collaborations, developing feasible methods and tools, and collecting pilot data.
- The **CRC Full award** funds projects with a fully developed research plan and supporting preliminary data, carried out by a well-integrated, experienced team of scientists and community members.

Project Duration & Budget Caps:

- **CRC Pilot award**
 - (a) **18 months** maximum duration
 - (b) **Budget cap for total project direct costs is \$150,000.**
- **CRC Full award**
 - (a) **3 years** maximum duration
 - (b) **Budget cap for total project direct costs is \$600,000.**

For both types of CRC awards, Non-UC institutions are entitled to full F&A of the Modified Total Direct Cost base (MTDC); UC institutional F&A is capped at 30% MTDC (not retroactive to prior grants). UC projects conducted off-campus, in accordance with UC Campus F&A Rate Agreements, should use the Off-Campus Organized Research rate, which is 26% MTDC.

Technical Assistance: Resources are available at the CBCRP to help CRC applicants with finding a partner, thinking through research ideas or partnership plans, and preparing applications for the CRC awards. We offer one-on-one assistance as well as online webinars.

In addition, each fall we offer an optional pre-application research plan review in which teams have the opportunity to have their research plans critiqued by active community-based participatory researchers before submitting the formal application. This process can be helpful for learning whether a research idea or partnership structure is on the right track. Teams can then speak with CBCRP staff about the feedback and receive additional technical assistance. Forms and guidelines, and submission procedures can be found at <https://www.cbcrp.org/funding-opportunities/crc/crc-guidance-and-assistance.html>.

Deadlines for pre-application research plan review:

Research Plan submission: November 4, 2021

Critiques returned to applicants: December 16, 2021

Contact Senaida Fernandez Poole at crcinfo@cabreastcancer.org or by calling (888) 313-BCRP (2277) to learn more about any of these technical assistance opportunities. Additional information on technical assistance can be found at <https://www.cbcrp.org/funding-opportunities/crc/crc-guidance-and-assistance.html>.

TRANSLATIONAL RESEARCH AWARD

Purpose/Requirements: The CBCRP is committed to supporting research that is on a critical path for practical application. Translational research to be supported by the CBCRP should have the potential for major impact in the areas of: (1) prevention, detection, diagnosis, or treatment of breast cancer; (2) improved quality of life for survivors; (3) reduction in the community and social burden caused by the disease in California, or (4) advances in medical practices, health systems changes, health policies or environmental modifications that will impact public health outcomes. To distinguish "translational research" from other types of research funding, the CBCRP will require the applicant to present a "critical path" that maps how the project fits along a defined research continuum leading to practical applications. We welcome applicants from all disciplines, including: basic/clinical sciences, behavioral/social sciences, public health/community-based health sciences, and health policy.

Project Duration & Budget Caps:

- **3 years maximum duration**
- **Budget cap for total project direct costs is \$750,000.** Non-UC institutions are entitled to full F&A of the Modified Total Direct Cost base (MTDC); UC institutional F&A is capped at 30% MTDC (not retroactive to prior grants). UC projects conducted off-campus, in accordance with UC Campus F&A Rate Agreements, should use the Off-Campus Organized Research rate, which is 26% MTDC.

To qualify for full application a letter of intent (LOI) must be submitted by the deadline. The information presented in the LOI must:

- Describe the *translational potential and impact specific* to breast cancer in the designated research topic.
- Focus on the study of human participants. *Support for projects using cell or animal models is not allowed.*
- Show evidence of PI qualifications for translational research and propose a project not fully supported by the PI's other funding.
- Show evidence of involvement of advocates. Specifically, name the advocacy/community organization, describe why the organization is appropriate for the proposed research project, describe the role of the advocate/s in the project design, implementation, interpretation, and dissemination, and attach written documentation (an email is sufficient) from the advocate or a representative of the advocacy organization demonstrating their willingness to explore participating in the research application, should the LOI be approved.

Translational Research LOI decisions and invitations to submit a full grant application will be communicated to PIs in December 2021.

INNOVATIVE, DEVELOPMENTAL AND EXPLORATORY AWARDS (IDEA)

Purpose/Requirements: To support speculative, exploratory, high-risk/high-reward projects with a *primary focus on breast cancer*. Applications for this award type should challenge existing paradigms, represent a new direction for the PI, and encourage innovation by the incorporation of techniques and approaches not yet well represented in mainstream breast cancer research. We encourage researchers to attempt breakthroughs that, if successful, could be leveraged into more substantial funding. Both established researchers and new investigators (see below) are welcome to apply.

Examples of research not responsive to the IDEA are projects that: (1) propose incremental advances for the underlying topic, (2) duplicate the aims of completed or funded research to the PI derived from non-breast

cancer studies without incorporating detailed breast cancer-specific justification, (3) overlap in topic and aims with current grant support to the applicant, or (4) represent portions of existing grants or are derived from larger, R01-type projects. *To be maximally responsive to the IDEA funding mechanism, the applicant must either be previously trained and have published in breast cancer or collaborate with an established breast cancer researcher.* IDEA applicants are required to explain how the research project is on a “critical path” to substantially advance the topic under investigation.

IDEAs for new investigators: Researchers at a career level beyond postdoctoral training and less than three years as an independent investigator, or entering research from another field, are encouraged to apply for IDEA grants. During the peer review process, the applicant’s prior research history and accomplishments will be rated less stringently than for IDEAs from established investigators.

Project Duration & Budget Caps:

- **18 months maximum duration**
- **Budget cap for total project direct costs is either \$100,000 or \$150,000** (higher cap is for projects using animal or human participants). Non-UC institutions are entitled to full F&A of the Modified Total Direct Cost base (MTDC); UC institutional F&A is capped at 30% MTDC (not retroactive to prior grants). UC projects conducted off-campus, in accordance with UC Campus F&A Rate Agreements, should use the Off-Campus Organized Research rate, which is 26% MTDC.

The Letter of Intent (LOI) must be submitted by the deadline in order to be considered. The LOI must:

- Provide a brief background, rationale or purpose for the project specific to breast cancer in lay terms.
- Describe a novel, innovative topic and/or approach for the proposed research that is linked to a CBCRP priority issue.
- Explain how the project is a key portion of the “critical path” from basic knowledge, hypothesis-testing to a practical application specific to breast cancer at either the patient or community level.
- Show evidence of involvement of advocates. Specifically, name the advocacy/community organization, describe why the organization is appropriate for the proposed research project, describe the role of the advocate/s in the project design, implementation, interpretation, and dissemination, and attach written documentation (an email is sufficient) from the advocate or a representative of the advocacy organization demonstrating their willingness to explore participating in the research application, should the LOI be approved.

IDEA LOI decisions and invitations to submit a full grant application will be communicated to PIs in December 2021.

CBCRP CONFERENCE AWARDS

CBCRP is offering two types of Conference Awards this year. The Standard award is open to all applicants who have the capacity to host an event that satisfies the criteria below. The Community-Led award supports grassroots organizations that need more time or resources to develop and execute a successful event. Community-Led Conference award applicants will submit a letter of intent prior to submitting a full application. The council will provide feedback that the applicant may use in preparing the application for the award.

Purpose/Requirements: To inform, stimulate ideas and foster research specific to breast cancer. Successful events will be designed to address one or more of the following goals:

- highlight resources particular to California
- encourage new collaborations
- recruit high quality researchers to the field
- examine and create solutions for disparities/inequities
- inspire paradigm-shifting research
- inform policy
- promote translational and/or outcome driven research that will impact public health outcomes
- create tools for educating members of the public about breast cancer

At least one major objective of the conference or event must focus on breast cancer and at least 50% of the event must be devoted to accomplishing the breast cancer objective(s). Funding preference will be given to events that bring together people with different perspectives who do not usually meet and exchange views, and to events that are more likely to lead to new research projects and new collaborations.

Events may take place in person, virtually or in some combination. Some format options include: (1) a symposium or webinar with formal presentations and targeted breakout sessions, (2) a retreat that emphasizes less formal interactions, or (3) a conference style 'roundtable' discussion of pertinent issues without pre-existing leadership roles established. It is expected that researchers and, breast cancer advocates/activists, and the general public will be included in the meeting planning, organization and participation.

The event organizers must designate a specific use of the CBCRP funds (e.g. scholarships, a specific session or activity) and give the CBCRP name recognition for it in event materials. The requested budget can exceed

the cost of the particular session or activity, but the additional items must also be distinguished from the overall budget. An awards banquet or reception is not appropriate for sponsorship.

The event must deliver a product that will further breast cancer research, education and/or policy development. Examples of products include, but are not limited to:

- A description of new breast cancer research aims/priorities identified by meeting attendees
- New cutting edge technology, instruments, communication tools
- A list and description of new investigators/potential researchers/advocates that have been introduced to the field
- Syllabus of presented papers and any planned papers
- Action plan for supporting new collaborations

It is strongly recommended that event organizers include a plan for video recording the key presentations for potential distribution on the organization's and CBCRP web site.

Advocates must be involved each phase of the event, including planning, implementation, participation in the program and attendance. CBCRP staff involvement in the event planning and implementation, and attendance by members of CBCRP staff and Council must be permitted.

Budget: Up to \$25,000 in direct costs will be awarded per successful application. F&A (indirect) costs are not allowed. CBCRP intends to fund at least one standard award and one community-led award and will distribute up to \$50,000 in Conference Awards each year.

If an award is made, then it can take up to three months to disburse funds. CBCRP will require a written conference report and a fiscal report within 90 days of completion of event activities.

Please contact Katherine McKenzie at conferenceaward@cabreastcancer.org or (888) 313-BCRP (2277) for questions.

PROGRAM-DIRECTED INITIATIVES

Purpose/Requirements: The program-directed initiatives are designed to support coordinated, directed, and collaborative research on the role of the environment and disparities in breast cancer, and primary prevention of the disease. The purpose is to leverage California's unique and diverse geographic, population, and research resources to support critical studies that significantly move these fields forward and create solutions.

Information about the program-directed initiative aims and background is available on [our website](#)

(<https://www.cbcrp.org/funding-opportunities/sri/>). Funding opportunities for the Program-directed Initiatives will be posted there as the information becomes available.

The CBCRP currently reserves 50% of annual research funds for program-directed initiatives. Three award mechanisms are used:

- **Request for Qualifications (RFQs)** to solicit applications to identify the most qualified researcher to conduct studies with specific pre-determined research questions and plans.
- **Program Directed Awards (PDAs)** to fund crucial projects identified during the Program-Directed Initiative strategy development proposed by the Steering Committee and approved by the CBCRP council.
- **Request for Proposals (RFPs)** investigator-initiated applications, similar to our Core Funding, responding to a specific initiative topic.

As with other CBCRP award mechanisms, applications are reviewed and scored for scientific merit by out-of-state peer and advocate reviewers to minimize possible conflicts of interest. The final funding recommendations are made by CBCRP's council.

POLICY INITIATIVE

Purpose/Budget: Up to \$150,000 will be allocated annually for a rapid-response mechanism to fund Policy research issues.

The Policy Initiative is intended to close the gap between research and policy (both public and private) by funding research that contributes to creating an environment in California that leads to less breast cancer. Using an open, competitive, peer-reviewed process, CBCRP is establishing a pool of pre-qualified policy research investigators/teams who are poised to quickly fill knowledge gaps to inform breast cancer relevant policy. We will select research questions and contract with our pre-qualified policy investigators/teams to generate answers and then effectively deliver those answers to policymakers.

Funding opportunities for the Policy Initiative are offered periodically and can be found at <https://www.cbcrp.org/funding-opportunities/health-policy-initiative/>. Those interested in receiving announcements of requests for qualifications to join the research pool are encouraged to contact healthpolicy@cabreastcancer.org. To submit ideas for policy research visit <https://www.cbcrp.org/priorities/sri/policy/call-for-topics.html>.

General Information

Note the following eligibility requirements and conditions for receiving grant support from the CBCRP. For questions about application requirements or procedures, email us at getinfo@cabreastcancer.org or call 888-313-2277 (BCRP).

Who May Apply	Conditions of Awards
<ol style="list-style-type: none"> 1. Any individual or organization in California may submit an application. The research must be conducted primarily in California. We welcome investigators from community organizations, public or privately-owned corporations and other businesses, volunteer health organizations, health maintenance organizations, hospitals, laboratories, research institutions, colleges, and universities. 2. We encourage researchers new to breast cancer to apply. We recommend that applicants who have limited experience in scientific research or in scientific grant-writing collaborate with established breast cancer researchers in order to maximize specificity and impact on breast cancer. 3. Re-submissions and previously funded PIs: All awards are open to re-submission from any two previous grant cycles. <u>Any resubmission for IDEA and Translational Research Awards must go through the LOI process.</u> Previously funded PIs are eligible to apply for new projects with distinct aims from the previous CBCRP grants. 4. Multiple applications and grant limits: A PI may submit more than one application, but each must have unique specific aims. A PI is limited to a <i>maximum of two (2) grants either as PI or co-PI, and these must be in different award types.</i> Research Initiative funding is not included in this limit. A PI may have more than one Initiative grant in a year. 5. University of California Campus Employees: In accord with University of California policy, investigators who are University employees and who receive any part of their salary through the University must submit grant proposals through their campus contracts and grants office ("Policy on the Requirement to Submit Proposals and to Receive Awards for Grants and Contracts through 	<ol style="list-style-type: none"> 1. All grant recipients must satisfy the standard requirements for receiving an award or modified requirements, if appropriate, as determined by the University of California. These requirements include fiscal management, accounting practices, liability insurance, bonding, indemnification of the UC Regents, non-discrimination in employment, and assurances regarding the treatment of animal or human subjects. Applicants do not have to meet these requirements at the time an application is reviewed, but no grant will be awarded until they are satisfied. 2. Assurances – Human Material and Animal Subjects: Approvals for use of human material and animal research subjects are not required at the time of application. Applicants are encouraged to apply to the appropriate board or committee as soon as possible in order to expedite the start of the project, and you must do so before or within 21 days of notification that an award has been offered. This deadline may be negotiable depending on the circumstances of the proposal. If all reasonable efforts are not made to obtain appropriate approvals in a timely fashion, funds may be reallocated to other potential grantees' proposed research projects. 3. Upon request, awardees must supply the following information or documents: <ol style="list-style-type: none"> a. Supply approved indirect (F&A) rate agreements as of the grant's start date and any derived budget calculations. b. Supply any missing application forms or materials, including detailed budgets and justifications for any subcontract(s). c. IRB or IACUC applications or approvals pertaining to the award. d. Resolution of any scientific overlap issues with other grants or pending applications.

the University," Office of the President, December 15, 1994).
Exceptions must be approved by the UC campus where the investigator is employed.

- e. Resolution of any Review Committee and Program recommendations, including specific aims, award budget, or duration.
- f. Modify the title and lay abstract, if requested.

4. All CBCRP grant recipients must abide by other pre- and post-award requirements pertaining to Cost Share, Indirect Cost Rates, Monitoring & Payment of Subcontracts, Conflict of Interest, Disclosure of Violations, Return of Interest, Equipment and Residual Supplies, Records Retention, Open Access, and Reporting as outlined in the Grants Administration Manual (GAM) available at: http://www.ucop.edu/research-grants-program/files/documents/srp_forms/rgpo-policy-updates-2014-15.pdf

5. Intellectual Property: CBCRP does not retain rights to a funded grant's intellectual property. Patentable inventions or discoveries conceived or reduced to practice shall belong to the grant recipient. Copyright works are the property of the recipient. Other discoveries made or reduced to practice which may not be protected by patent or copyright, such as biological materials, plasmids, and cell lines, remain the property of the recipient to be licensed in the public interest. The recipient shall use reasonable efforts to achieve expeditious practical application of the patents, copyrights, and tangible research results.

CBCRP Funding Information and Contacts

	Website address	Contact information
IDEA Award, Translational Research Award and CBCRP Conference Award	https://www.cbcrp.org/funding-opportunities/	Katherine McKenzie getinfo@cabreastcancer.org
Community Research Collaborations (CRC Pilot and Full Awards)	https://www.cbcrp.org/funding-opportunities/crc/	Senaida Fernandez Poole crinfo@cabreastcancer.org
Program-directed Initiatives (environment, disparities & prevention)	https://www.cbcrp.org/funding-opportunities/sri/	sri@cabreastcancer.org
Policy Initiative	https://www.cbcrp.org/funding-opportunities/health-policy-initiative/	healthpolicy@cabreastcancer.org
CBCRP-funded portfolio	https://www.cbcrp.org/funded-research.html	
International Cancer Research Portfolio (ICRP) website	https://www.icrpartnership.org/	
Questions about application instructions and forms		Research Grant Programs Office Contracts & Grants Unit RGPOgrants@ucop.edu 510-987-9386
Technical Support for SmartSimple (including account and institution updates)		RGPOgrants@ucop.edu 510-987-9386
General Information		getinfo@cabreastcancer.org 888-313-2277 (BCRP)

The California Breast Cancer Research Program (CBCRP) is part of the Research Grants Program Office of the University of California, Office of the President.

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