

California Breast Cancer Prevention Initiatives 2011-2015

STRATEGY DEVELOPMENT PLAN

12/2/11

Approved by the California Breast Cancer Prevention Initiatives Steering Committee 11/16/11

Approved by the California Breast Cancer Research Program Research Council 12/2/11

A joint project of the California Breast Cancer Research Program, University of California, Office of the President & the Program on Reproductive Health and the Environment, University of California, San Francisco

California Breast Cancer Prevention Initiatives 2011-2015

CALIFORNIA BREAST CANCER RESEARCH PROGRAM AND UCSF PROGRAM ON REPRODUCTIVE HEALTH AND THE ENVIRONMENT

TABLE OF CONTENTS

<u>Steering Committee.....</u>	<u>3</u>
<u>I. BACKGROUND</u>	<u>4</u>
THE CALIFORNIA BREAST CANCER RESEARCH PROGRAM	4
TOWARD AN INNOVATIVE RESEARCH AGENDA: THE SPECIAL RESEARCH INITIATIVES.....	4
BUILDING ON THE SUCCESS OF THE SPECIAL RESEARCH INITIATIVES	6
<u>II. California Breast Cancer Prevention Initiatives</u>	<u>6</u>
<u>2011-2014 STRATEGY DEVELOPMENT PLANNING PROCESS.....</u>	<u>6</u>
EXPERT GROUPS	6
<i>Steering Committee</i>	6
<i>Stakeholders</i>	7
<i>Strategy Advisors</i>	8
<i>Science Assessment Advisors</i>	8
PRODUCTS TO SUPPORT DECISION-MAKING.....	10
<i>Science Assessments</i>	10
<i>Prioritized Research Questions</i>	11
<i>Concept Proposals</i>	11
<u>III. STAFFING.....</u>	<u>14</u>
PROGRAM ON REPRODUCTIVE HEALTH AND THE ENVIRONMENT.....	14
CALIFORNIA BREAST CANCER RESEARCH PROGRAM	16

TABLES

TABLE 1. SPECIAL RESEARCH INITIATIVES - -FUNDED RESEARCH	5
TABLE 2: LIST OF PRODUCTS ON ENVIRONMENT AND DISPARITIES.....	12
TABLE 3: LIST OF PRODUCTS ON POPULATION-LEVEL INTERVENTIONS	13
TABLE 4: LIST OF PRODUCTS ON TARGETED INTERVENTIONS FOR HIGH RISK INDIVIDUALS.....	13

Steering Committee

Marion H. E. Kavanaugh-Lynch, MD, MPH Co-Chair	Director, California Breast Cancer Research Program Office of the President, University of California
Tracey J. Woodruff, PhD, MPH Principal Investigator/Co-Chair	Associate Professor, Department of Obstetrics, Gynecology, and Reproductive Sciences and Director, Program on Reproductive Health and the Environment; Institute for Health Policy Studies, University of California, San Francisco
Julia G. Brody, PhD	Executive Director, Silent Spring Institute
Margaret L. Kripke, MD	Professor of Immunology and Chair Emerita The University of Texas M.D. Anderson Cancer Center
Jeanne Rizzo, RN	President and CEO, Breast Cancer Fund
Saraswati Sukumar, PhD	Professor of Oncology and Professor of Pathology Co-Director, Breast Cancer Program Sidney Kimmel Comprehensive Cancer Center Johns Hopkins University
Engelberta (Beti) Thompson, PhD	Full Member and Associate Program Head Fred Hutchinson Cancer Research Center
David R. Williams, PhD	Florence and Laura Norman Professor of Public Health and Professor of of African and African American Studies Harvard University
Marc Hurlbert, PhD Ex-Officio Member	Executive Director, Avon Foundation Breast Cancer Crusade
Chandini Portteus, MPH(c) Ex-Officio Member	Vice President, Research, Evaluation and Scientific Programs Susan G. Komen for the Cure, Medical & Scientific Affairs

Staff

Plumblin Coaching and Consulting, Inc.

Marj Plumb, Dr.PH, Collaborating Investigator
Emily Galpern, MPH, Associate

California Breast Cancer Research Program, UCOP

Catherine Thomsen, MPH, Environmental Health & Health Sciences Program Officer
Katherine McKenzie, PhD, Clinical and Prevention Sciences Program Officer
Senaída Fernandez, PhD, Community Initiatives & Public Health Sciences Program Officer
Lisa Minniefield, Program Specialist

UCSF Program on Reproductive Health and the Environment

Patrice Sutton, MPH, Research Scientist
Carrie Dickenson, Research Coordinator
Jason Harless, Program Analyst

I. BACKGROUND

The California Breast Cancer Research Program

The California Breast Cancer Research Program (CBCRP) is the nation's largest state-funded breast cancer research effort and among the largest breast cancer research funders in the world. The program's mission is to eliminate breast cancer by leading innovation in research, communication, and collaboration in the California scientific and lay communities. The CBCRP was founded in 1993, when breast cancer activists, scientists, clinicians, state legislators, and University of California officials collaborated to win passage in the state legislature of the California Breast Cancer Act.¹ The CBCRP is funded by a tax on tobacco products, voluntary state personal income tax form check-off, and individual contributions.

The CBCRP is led by the Director, Marion H. E. Kavanaugh-Lynch, M.D., M.P.H. Program funding recommendations and planning future directions of the organization are the responsibility of the Breast Cancer Research Council (Council), a group of 15 people chosen to represent those affected by breast cancer and the institutions that can help find a solution. The CBCRP supports new approaches that other agencies may be reluctant to fund. Since 1994, the CBCRP has awarded more than \$225 million in 920 grants to 103 institutions across the state.

Toward an Innovative Research Agenda: The Special Research Initiatives

To prepare for its second decade of research funding, in 2001 the CBCRP initiated a comprehensive review of the program. The Director, staff, and Council evaluated grants made by the CBCRP in relation to the program's mission and funding criteria. Scientists, clinicians, and advocates contributed to this review by preparing position papers, making presentations, and participating in Council meetings.

The review culminated in March 2004 with a decision by the Council to allocate 70 percent of the program funding between 2004 and 2009 to the most successful types of awards previously made, and 30 percent of funds to Special Research Initiatives (SRI) to support research that addressed:

1. The effects of the environment on the development of breast cancer; and
2. Disparities in breast cancer, i.e., the reasons why some groups of women are more likely to get breast cancer or to die from the disease.

The goal of the SRI was to fund research that not only increased knowledge about these questions, but also pointed to solutions that would reduce the suffering from breast cancer and move science closer to eliminating the disease.

A multi-year strategy development process was subsequently launched to move the SRI research agenda forward. The process was designed to leverage California's unique and diverse geography, population, and research resources and to avoid duplicating previous research. The SRI strategy development effort was led and supported by dozens of advisors who provided the most up-to-date knowledge and the perspectives of advocates and experts from California and across the nation. The process culminated in a set of research recommendations to advance the goals of the SRI. In March 2008, the Council reviewed the recommendations and determined the SRI research areas.

In total, 26 grants totaling about \$21 million were awarded to address the environmental causes of breast cancer and the unequal burden of the disease (Table 1).

¹ 1993 Breast Cancer Act (i.e., AB 2055 (B. Friedman) [Chapter 661, Statutes of 1993] and AB 478 (B. Friedman) [AB 478, Statutes of 1993])

Table 1. Special Research Initiatives - - Funded Research

Disparities

- Race & Ethnicity in Stage-specific Breast Cancer Survival. A pilot project for six researchers to explore combining data from California studies to explain racial and ethnic differences in breast cancer survival resulted in a collaborative study examining the effects of variations in socioeconomic and contextual factors, physical activity, body size and co-morbidities within and between racial and ethnic groups. (11 awards)
- Demographic Questions for California Breast Cancer Research. Scientists and community advocates working to identify demographic measures that will improve understanding of disparities in breast cancer. (1 award)
- Immigrant Experience and Breast Cancer Risk in Asians. Exploring how discrimination and other factors may affect breast cancer risk, how risk changes over the lifespan, and how it is affected by community. (1 award)

Environment

- California Chemicals Policy & Breast Cancer. Developing recommendations for a state chemicals policy that considers breast and other hormonal cancers. (1 award)
- Making Chemicals Testing Relevant to Breast Cancer. Creating and validating tools for toxicity testing specific to breast cancer, including new methods for screening chemicals. (5 awards)
 - Biologically Relevant Screening of Endocrine Disruptors.
 - Xenoestrogen-Specific Perturbations in the Human Breast.
 - Cell Bioassays for Detection of Aromatase Gene Activators.
 - Biomarkers for Environmental Exposures in Breast Cancer.
 - Building on National Initiatives for New Chemicals Screening.

Both Environment and Disparities

- Environmental Causes of Breast Cancer across Generations. Investigating how prenatal exposure to environmental toxins is related to breast cancer risk. (1 award)
 - Persistent Organic Pollutants (POPs) and Breast Cancer Risk. Exploring the risk of breast cancer associated with POPs and examining racial, ethnic and other disparities in exposure. (2 awards)
 - Statistical Methods to Study Interacting Factors that Impact Breast Cancer. (3 awards)
 - Model-building with Complex Environmental Exposures.
 - New Methods for Genomic Studies in African-American Women.
 - Cancer Mapping: Making Spatial Models Work for Communities.
 - New Paradigm of Breast Cancer Causation and Prevention. Developing a complexity-theory model of breast cancer causation to aid researchers and communities. (1 award)
-

Building on the Success of the Special Research Initiatives

In March 2010, after another thorough review of Program achievements and goals, the Council decided to build on the existing SRI by devoting 50 percent of CBCRP research funds between 2011 and 2015. This new effort is titled the California Breast Cancer Prevention Initiatives. Approximately \$24 million will be dedicated to directed, coordinated, and collaborative research to pursue the most compelling and promising approaches to:

1. Identify and eliminate environmental causes of breast cancer.
2. Identify and eliminate disparities/inequities in the burden of breast cancer in California.
3. Population-level interventions (including policy research) on known or suspected breast cancer risk factors and protective measures.
4. Targeted interventions for high-risk individuals, including new methods for identifying or assessing risk.

To focus these research efforts, the CBCRP issued a Request for Qualifications to fund a team to collaborate with the CBCRP to develop and implement the California Breast Cancer Prevention Initiatives. In 2010, the grant was awarded to Tracey Woodruff, PhD, MPH, Associate Professor and Director of the University of California, San Francisco, Program on Reproductive Health and the Environment (PRHE). PRHE is dedicated to creating a healthier environment for human reproduction and development by advancing scientific inquiry, clinical care and health policies that prevent exposures to harmful chemicals in our environment. PRHE is housed in the Department of Obstetrics, Gynecology and Reproductive Sciences in the UCSF School of Medicine, one of the nation's most prestigious medical schools, and it is also a core program of the National Center of Excellence in Women's Health.

II. California Breast Cancer Prevention Initiatives

2011-2015 STRATEGY DEVELOPMENT PLANNING PROCESS

To implement the California Breast Cancer Prevention Initiatives, science and advocate experts and interested individuals/organizations will contribute to the development of research strategies and recommendations made to the Council over the course of this four-year process.

Expert Groups

This expertise will be incorporated through participation in one or more of the four groups that will be engaged: Steering Committee, Science Assessment Advisors, Strategy Advisors and Stakeholder Participants. The composition, charge, and responsibility of each group are described below. Table 2 outlines how each group of experts and stakeholders will contribute to the activities and products. The Council will make the final decisions regarding research strategies for the CBCRP to pursue.

Steering Committee

Composition

Dr. Marion (Mhel) Kavanaugh-Lynch (CBCRP Director) and Dr. Tracey Woodruff (PRHE Director and California Breast Cancer Prevention Initiatives Principal Investigator) will serve as co-chairs of the Steering Committee. Additional members will include some members of the initial SRI Steering Committee as well as new members. At least one member will be an advocate. The Steering Committee will possess outstanding leadership and vision and encompass expertise in the science of cancer disparities, environmental health, breast cancer, population-level interventions, and targeted interventions for high-risk individuals. The Steering Committee will also include ex-officio (non-voting) members from the funder community.

To avoid conflicts of interest, the Steering Committee members will primarily be from outside of California and therefore ineligible for CBCRP research funding. Any potential conflicts of interest will be made public. Steering Committee members will represent their particular areas of expertise while coming together for cross- and multi-issue deliberations and selection of research recommendations.

Charge and Responsibilities

- Guide, review and approve the Strategy Development Plan;
- Identify and recruit Science Assessment Advisors and Strategy Advisors;
- Determine focus areas for, and oversee development of, Science Assessments to address the four topic areas chosen by the Council:
 1. Identify and eliminate environmental causes of breast cancer.
 2. Identify and eliminate disparities/inequities in the burden of breast cancer in California.
 3. Population-level interventions (including policy research) on known or suspected breast cancer risk factors and protective measures.
 4. Targeted interventions for high-risk individuals, including new methods for identifying or assessing risk.
- Engage in meetings, and one-on-one discussions, with experts in the fields of interest to gain broad-based insight into the science and identify important research topics;
- Determine promising research questions for developing Concept Proposals related to the four topic areas;
- Oversee development of, review, and approve final Concept Proposals;
- Present Concept Proposals to the Council; and
- Assist in developing Requests for Proposals on Concept Proposals adopted by the Council.

Stakeholders

CBCRP actively involves a variety of people and organizations on the Council that sets the research priorities for the Program. Breast cancer advocates are also involved in reviewing grant applications and the implementation of CBCRP-funded research. To include the voices of as many experts, affected communities and other interested people and organizations, information will be routinely disseminated and input sought. High stakeholder involvement will:

- Educate Stakeholders;
- Bring more Stakeholders to the process and provide them with the opportunity to give input on different aspects of the project as it moves forward;
- Foster a body of people interested in the outcomes of the project;
- Translate the findings back to the public; and
- Contribute to CBCRP's communications strategy.

Composition

A variety of stakeholders will be engaged by openly and actively inviting them to join a listserv. These will include potential applicants; other research funding agencies; academic researchers; breast cancer, disparities and environment advocates; members of California communities affected by breast cancer; others interested in any of the topics to be addressed; and anyone expressing interest in participating.

Charge and Responsibilities

- Engage in on-line discussions, annual webinars and/or the 2015 California Breast Cancer Prevention Initiatives Symposium.
- Provide personal and/or organizational perspective on topics chosen for review (e.g., generating potential research questions.)

Strategy Advisors

Composition

CBCRP and PRHE will engage up to 20 Strategy Advisors including members of the advocacy community. The Strategy Advisors will be recruited from throughout California and outside the state. Recruitment of individuals with expertise in more than one of the primary areas will be prioritized.

Responsibilities of Strategy Advisors include providing input on the Science Assessment related to their topic(s) and providing input on the development of the related Concept Proposals and RFP's. The time commitment of the Strategy Advisors focused on population-level interventions and targeted interventions for high-risk individuals will be greater than that of those focused on the environment and disparities, since they will be developing topics that are new to this research initiative.

Each Strategy Advisor will be required to: attend at least one and as many as three face-to-face meetings; participate in three two-hour conference calls; and contribute 25 hours of writing, reviewing, and replying to requests. As above, an individual who serves on more than one topic would have a concomitant increase in time commitment.

Beyond the convening of Strategy Advisors, advice will also be solicited from a larger pool of experts by holding a total of two additional in-person meetings at the time of a U.S. based scientific conference related to one or more of the primary topic areas. Meetings will be held before or during the conference, to solicit input from select conference attendees; the Steering Committee Co-Chairs, at least two additional members of the Steering Committee and key staff will host these meetings.

Charge and Responsibilities

Strategy Advisors will:

- Assess draft Science Assessments and research questions in their topic area, provide feedback and advise Science Assessment Advisors on future iterations;
- Propose to the Steering Committee their ideas for the best research questions to pursue;
- Assist in developing Concept Proposals on research questions prioritized by the Steering Committee; and
- Assist in developing Requests for Proposals for Concept Proposals adopted by the Council.

Science Assessment Advisors

Composition

Content area experts and various others as identified by the Steering Committee will be engaged to conduct the Science Assessments on the four chosen topics. Science Assessment Advisors will include:

- Research Scientists at PRHE and CBCRP;
- Content area experts in the environment, cancer disparities, population-level interventions, and targeted interventions for high-risk individuals; and

- Scientists from the Stanford-UCSF Evidence-Based Practice Center and/or other academic institutions skilled in the practice of systematic reviews.

Charge and Responsibilities

Science Assessment Advisors will be engaged to conduct Science Assessments for each of the four topic areas specified by the Council, i.e., environment, disparities, population-level interventions, and targeted interventions for high-risk individuals. The Steering Committee will determine the specific focus of each Science Assessment. Each Science Assessment will include a list of possible research questions for consideration by the Steering Committee.

Science Assessment Advisors will be engaged for each of the focus areas as follows.

Environment and Disparities

In consultation with the Steering Committee and Strategy Advisors for these two topic areas, PRHE and CBCRP Research Scientists will:

1. Design, conduct, analyze and compile interviews of the Principal Investigators funded through the SRI;
2. Design, conduct, analyze and compile interviews of the Strategy Team members from the SRI;
3. Review and summarize the research questions and approaches identified in the development and implementation of the SRI that were not funded;
4. Identify and compile the preliminary results and impacts of the awards made in the SRI;
5. Conduct targeted scans of the 2007 *Identifying Gaps in Breast Cancer Research (Gaps)* document to identify substantive changes in the science in the intervening years (e.g., new mechanisms, new findings about an environmental contaminant, fundamental new findings on disparities, new hypotheses for understanding disparities, etc.);
6. Engage subject-area experts (Science Assessment Advisors) to conduct assessments on up to 6 additional topics identified by the Steering Committee related to any new science and/or topics that were not included in the Gaps document; and
7. Synthesize the results of these activities into Science Assessment products (described in Table 2 and below, under “Products to Support Decision-Making”).

Population Interventions and Targeted Interventions for High-Risk Individuals

In consultation with the Steering Committee and Strategy Advisors for these two topic areas, PRHE and CBCRP Research Scientists will:

1. Engage Science Assessment Advisors with topic expertise in population-level interventions and targeted interventions for high-risk individuals and identify scientists from the Stanford-UCSF Evidence-based Practice Center and/or other academic center who are skilled in the practice of systematic reviews;
2. Oversee the conduct of six assessments related to population-level interventions and targeted interventions for high-risk individuals and the preparation of manuscripts for peer-review publication.

Products to Support Decision-Making

Several types of materials will be created to inform the Steering Committee and the CBCRP's Council throughout the planning process. Three of the most significant products, to be used in determining future research directions, include:

1. Science Assessments;
2. Prioritized Research Questions; and
3. Concept Proposals with research strategies and recommendations.

Each Concept Proposal chosen for funding will require the creation of a Request for Proposals.

These products are described below, and outlined on Tables 2-4, with the responsible groups or persons noted.

Science Assessments

Different methodologies will be used to review, analyze and compile the relevant science to inform the development of research questions, strategies and recommendations. Science Assessments will be staggered over the four years.

Environment and Disparities

The Environment and Disparities Science Assessments will compile updated and/or yet to be explored science related to breast cancer, the environment and disparities. The methodology for the preliminary assessments will be detailed in a protocol for approval by the Steering Committee. The Environment and Disparities Science Assessments will have multiple components (see Table 2) that will ultimately be compiled as follows:

- One Supplement to the 2007 Gaps document. This supplement will present in summarized form the results of the targeted scans of the Gaps document and the up to six expert assessments of environment and disparities topics. The supplement to the Gaps will include methods and supporting information as appendices.
- The findings of the interviews with the Principal Investigators funded through the SRI and the Strategy Team members from development of the SRI will be summarized for the Steering Committee and then developed into manuscript(s) to be submitted for publication in the peer-reviewed literature. This paper may also include aspects of the Gaps supplement, as determined by the Steering Committee.

Population-Level Interventions and Targeted Interventions for High-Risk Individuals

These Science Assessments will focus on the two new topics: population-level interventions and targeted interventions for high-risk individuals. The methodology for the assessments will be detailed in a protocol for approval by the Steering Committee. Briefly, to conduct the Population-Level Intervention and Targeted Intervention for High-Risk individuals Science Assessments, the Steering Committee, in consultation with Strategy Advisors, will identify and refine specific questions based on their expert opinions. The most effective type of review (e.g., systematic) will be specified by the Steering Committee, depending on the specific topics. A total of six assessments will be conducted:

- Three on population level interventions (including policy research) and three on targeted interventions for high-risk individuals, including new methods for identifying or assessing risk.
- The findings of the six assessments will be presented to the Steering Committee and then developed into manuscripts to be submitted for publication in the peer-reviewed literature.

Prioritized Research Questions

The Steering Committee will generate a list of Research Questions. These questions will come from any and all participants (Science Assessment Advisors, Strategy Advisors, Stakeholders and Steering Committee members), at all stages of the process and will be compiled by staff. There is no limit to the number of potential research questions that might be generated in this iterative process. The Steering Committee will choose research question priorities to develop into Concept Proposals.

Concept Proposals

Up to five Concept Proposals for each of the four topic areas (up to 20 in total) will be developed over the course of the planning process. Each Concept Proposal will be developed by one or more of the following: Steering Committee members, Strategy Advisors, Science Assessment Advisors, PRHE and CBCRP staff. Concept Proposals will generally be developed subsequent to completion of the relevant Science Assessment, but may be developed at any time the Steering Committee identifies the need. Concept Proposals will suggest research strategies and recommendations on specific innovative ideas for research projects that address the specific aims of the California Breast Cancer Prevention Initiatives. Concept Proposals will include a synthesis of the relevant science, an overview of the proposed methods, and financial estimates for project completion.

Submit Concept Proposals to Council

The Steering Committee will present Concept Proposals, along with their recommendations, to the Council for consideration at the regularly scheduled meetings.

Table 2: List of Products on Environment and Disparities

Products	Responsible Group or Person
Compilation/presentation of the 10 initiatives of the SRI, including response to RFQ's/RFP's, projects funded, preliminary results and impacts of the awards made in the SRI	Catherine Thomsen
Summarized list of the research questions and approaches identified in the development and implementation of the SRI that were not funded	Catherine Thomsen
List of all research questions generated in the SRI	Catherine Thomsen
Summary report and presentation of results of interviews with Principal Investigators funded in the SRI	Carrie Dickenson
Summary report and presentation of results of interviews with Strategy Team from the SRI	Patrice Sutton/ TBD
Individual reports of targeted scan for each chapter of Gaps document	Patrice Sutton/ TBD
Summary report of targeted scans of Gaps document chapters (1 paragraph on each chapter)	Patrice Sutton/ TBD
Recommendations for Science Assessments to Steering Committee	Strategy Advisors
Direction for number, topic, breadth, and scope of Science Assessments	Steering Committee
Science Assessments	Topic Experts TBD
Gaps Supplement document	Patrice Sutton/ TBD
List of research questions for consideration by the Steering Committee	Staff
Prioritized research questions	Steering Committee
Concept proposals	Steering Committee, Strategy Advisors, Science Assessment Advisors, Staff
Requests for Proposals (funding announcements)	CBCRP Staff, Steering Committee, Strategy Advisors, Science Assessment Advisors
Journal article(s) synthesizing the results of the interviews with SRI PIs, SRI Strategy Team members, the Gaps supplement document (optional) and prioritized research questions	PRHE, CBCRP, other Authors TBD

Table 3: List of Products on Population-Level Interventions

Products	Responsible Group or Person
Direction for number, topic, breadth, and scope of Science Assessments	Steering Committee
Science Assessments	Science Assessment Advisors
List of research questions to consider	Staff
Prioritized research questions	Steering Committee
Concept proposals	Steering Committee, Strategy Advisors, Science Assessment Advisors, Staff
Requests for Proposals (funding)	CBCRP Staff, Steering Committee, Strategy Advisors, Science Assessment Advisors
Journal article(s) on Population-Level Intervention topic assessments and prioritized research questions	Science Assessment Advisors; PRHE & CBCRP Staff

Table 4: List of Products on Targeted Interventions for High Risk Individuals

Products	Responsible Group or Person
Direction for number, topic, breadth, and scope of Science Assessments	Steering Committee
Science Assessments	Science Assessment Advisors
List of research questions to consider	Staff
Prioritized research questions	Steering Committee
Concept proposals	Steering Committee, Strategy Advisors, Science Assessment Advisors, Staff
Requests for Proposals (funding announcements)	CBCRP Staff, Steering Committee, Strategy Advisors, Science Assessment Advisors
Journal article(s) on Targeted Interventions for High Risk Individuals and prioritized research questions	Science Assessment Advisors; PRHE & CBCRP Staff

III. STAFFING

Tracey J. Woodruff, PhD, MPH, Associate Professor and Director of PRHE is the Principal Investigator (PI) of the California Breast Cancer Prevention Initiatives, and, in conjunction with CBCRP's Director, Marion Kavanaugh-Lynch, MD, MPH, she will Co-Chair the Steering Committee that will oversee the strategic planning process. Dr. Woodruff, Collaborating-investigator Marj Plumb, DrPH, MNA and other key staff have extensive experience conducting research and initiating and leading highly successful interdisciplinary and community-based processes to advance scientific inquiry, research agenda setting, and public health protection.

Program on Reproductive Health and the Environment

Tracey Woodruff, PhD, MPH, Principal Investigator and Co-Chair of the Steering Committee

- Will be responsible for the planning, directing, and executing all scientific, programmatic and administrative aspects of the proposed project, in close coordination and cooperation with the CBCRP.
- Will partner with the CBCRP to develop and carry out the strategy development plan that incorporates six main steps. Working with the CBCRP she will:
 1. Work with the Steering Committee to identify topic area experts and advocates from both outside and inside of California to serve as Strategy Advisors and Science Assessment Advisors;
 2. Oversee the analysis of Science Assessments to identify successes and opportunities to continue or build on research efforts;
 3. Ensure the gathering and synthesizing of recent research findings to update the data that informed the SRI and provide background knowledge on new topics, as needed;
 4. Oversee the creation and implementation of a plan to ensure that Stakeholders and interested communities are informed about the planning process, and have opportunities to provide input; and
 5. Co-Chair the Steering Committee to make recommendations to the CBCRP's Council for their consideration, ongoing discussion and decision-making.
- Will convene meetings of PRHE and CBCRP core staff to track and evaluate progress, and to problem solve and ensure the California Breast Cancer Prevention Initiatives is on track.
- Will respond to requests for additional information by the CBCRP Council.

Patrice Sutton, MPH, Research Scientist

- Will oversee the day-to-day conduct of the Science Assessments;
 - These analyses will be guided by the Steering Committee, which will review the results, identify potential projects, and consult with Strategy Advisors and Stakeholders to determine how these data will inform future funding.
- Will conduct the environmental component of the targeted scan of the Gaps document;
- Will coordinate the efforts of the Science Assessment Advisors;
- Will coordinate the development of Concept Proposals based on Steering Committee priorities of focused, innovative ideas for coordinated, directed, and collaborative research projects that address the specific aims of this initiative and meet previously established SRI criteria for research strategies; and
- Will coordinate the submission of peer-reviewed-publications based on the Science Assessments and planning process.

Carrie Dickenson, MA, Research Coordinator

- Will develop the protocol, conduct the interviews, prepare a summary report, and make a presentation to the Steering Committee and Strategy Advisors of results of interviews with Principal Investigators funded by the SRI;
- Will assist Ms. Sutton in coordinating the efforts of Science Assessment Advisors;
- Will assist Ms. Sutton in coordinating the development and the production of Concept Proposals;
- Will assist Ms. Sutton in coordinating the submission of peer-reviewed publications based on the Science Assessments and planning process.

TBD

- Will co-lead the Environment and Disparities Science Assessment;
- Will develop the protocol, conduct the interviews, prepare a summary report, and make a presentation to the Steering Committee and Strategy Advisors of results of interviews with the SRI Strategy Team;
- Will conduct the disparities component of the targeted scan of the Gaps document;
- Will assist Ms. Sutton in coordinating the efforts of Science Assessment Advisors;
- Will assist Ms. Sutton in coordinating the development and the production of Concept Proposals;
- Will assist Ms. Sutton in coordinating the submission of peer-reviewed publications based on the Science Assessments and planning process.

Jason Harless, Program Analyst

- Will provide organizational support, including preparation of grant reports and tracking of consultant and subcontract agreements;
- Will manage the processing of travel reimbursements for UCSF staff and honoraria for Science Assessment Advisors engaged in this project.

Plumblin Coaching and Consulting, Inc.

Marj Plumb, DrPH, MNA, Collaborating Investigator

- Will have primary responsibility for the collaboration components of the California Breast Cancer Prevention Initiatives, working primarily with the Steering Committee, Strategy Advisors and Stakeholder groups;
- Will ensure the development and functioning of the Steering Committee, the Strategy Advisors, and the engagement of Stakeholders;
- Will work with the Steering Committee to identify the topics of interest for the Science Assessments;
- Will coordinate the completion and submission of the final Concept Proposals to the Council.

Emily Galpern, MPH, Staff Associate

- Will assist Marj Plumb in collaborative aspects of this project;
- Will assist Marj Plumb with smooth functioning of the Steering Committee, Strategy Advisors and Stakeholders;
- Will negotiate with vendors for meeting space, prepare travel arrangements and hotel accommodations for meetings, and manage the processing of honoraria and travel reimbursements for Steering Committee and Strategy Advisors.

California Breast Cancer Research Program

Marion (Mhel) Kavanaugh-Lynch, MD, MPH, CBCRP Director, Co-Chair Steering Committee

- Will work with PRHE in the planning, directing, and executing all scientific, programmatic and administrative aspects of the proposed project
- Will work with PRHE to develop and carry out the strategy development plan that incorporates six main steps. Working with the PRHE she will:
 1. Work with the Steering Committee to identify topic area experts, advocates and impacted individuals from both outside and inside of California to serve as Strategy Advisors and Science Assessment Advisors;
 2. Oversee the analysis of Science Assessments to identify successes and opportunities to continue or build on research efforts;
 3. Ensure the gathering and synthesizing of recent research findings to update the data that informed the SRI and provide background knowledge on new topics, as needed;
 4. Oversee the creation and implementation of a plan to ensure that stakeholders and interested communities are informed about the planning process, and have opportunities to provide input; and
 5. Co-Chair the Steering Committee to make recommendations to the CBCRP's Council for their consideration, ongoing discussion and decision-making;
- Will participate in meetings of PRHE and CBCRP core staff to track and evaluate progress, and to problem solve and ensure the California Breast Cancer Prevention Initiatives is on track;
- Will facilitate communication with the CBCRP Research Council.

Catherine Thomsen, MPH, Program Officer

- Will manage contract relationship with PRHE for the California Breast Cancer Prevention Initiatives;
- Will collaborate with PHRE to oversee Science Assessments and work of the Strategy Advisors;
- Will compile and present the preliminary results and impacts of the awards made in the SRI;
- Will summarize the list of research questions and approaches identified in the development and implementation of the SRI that were not funded;
- Will compile a list of research questions from the SRI;
- Will oversee the development of Concept Proposals;
- Will coordinate the funding competition announcements (RFA/RFQ/Contract);
- Will oversee the submission of peer-reviewed publications based on the Scientific Assessments and planning process;
- Will ensure CBCRP communication efforts on behalf of the California Breast Cancer Prevention Initiatives and facilitate community input into the planning process.

Katherine McKenzie, PhD, Program Officer

- Will attend meetings and contribute to Science Assessments in her areas of expertise;
- Will assist with development of Concept Proposals and Requests for Proposals;
- Will coordinate implementation of California Breast Cancer Prevention Initiatives communications efforts for CBCRP.

Senaida Fernandez, PhD, Program Officer

- Will attend meetings and contribute to Science Assessments in her areas of expertise;
- Will assist with development of Concept Proposals and Requests for Proposals.

Lisa Minniefield, Program Specialist

- Will provide organizational support, including assisting CBCRP staff with preparation of documents and meeting logistics;
- Will manage the processing of travel reimbursements for CBCRP staff.