



Funding Opportunity (No Match Required) Shared Resources and Infrastructure Grant (Cycle 1) Request for Proposals

Andy Hill Cancer Research Endowment

The Andy Hill Cancer Research Endowment (CARE) Fund was established in 2015 by the state legislature as a bold public-private partnership to promote cancer research in Washington. With the establishment of the CARE Fund, the state is making a commitment to enrich the cancer research ecosystem with sustained investment to promote cancer research, aimed at improving the quality of life of the people of Washington. The objectives of the Andy Hill CARE Fund (from RCW 43.348.005) include the following:

- Optimize the use of public funds by giving priority to research utilizing the best science and technology with the greatest potential to improve health outcomes;
- Increase the value of our public investments by leveraging our state's existing cancer research facilities and talent, as well as clinical and therapeutic resources;
- Incentivize additional investment by requiring private or other non-state resources to match public funds;
- Create jobs and encourage investments that will generate new tax revenues in our state; and
- Advance the biotech, medical device, and health care information technology industries in Washington.

Shared Resources and Infrastructure Grant Overview

Much of current cancer research is dependent upon access to resources such as new technologies, well curated specimens and associated data, databases of existing cancer related data, and targeted animal models, to name a few. It is critical for researchers and organizations located across Washington State to leverage resources such as these to advance cancer research and accelerate biologic discoveries to improve cancer care and health outcomes. The Shared Resources and Infrastructure grant is intended to bolster Washington State's cancer research ecosystem by supporting efforts to plan, develop, or support shared resources that will advance cancer research in Washington State. Shared resources are research tools, materials, and services that will provide access to, or be used by, multiple cancer research projects or institutions and may include but are not limited to population-based databases, biospecimen acquisition programs, and animal models. Infrastructure is broadly defined as essential to support a shared resource. The grant may not be used to purchase real property.

Scope

Two grant award tracks, Planning grants and Implementation grants will be available to achieve this objective.

Planning Grant Track

The planning grant will support the initial exploration and development of a shared resource that has the potential to advance cancer research in Washington State. The grant may support activities related to the:

- Establishment of the research team
- Formation of partnerships or collaborations, including outreach to diverse patient population groups
- Development of data sharing agreements and addressing other legal and regulatory issues related to the shared resource
- Development of the operational plan to develop the resource, including the ongoing maintenance and support of the resource
- Development of the resource
- Piloting the resource to assess long-term feasibility

Implementation Grant Track

The Implementation grant will support implementation and use of a shared resource, including expanding the reach and use of an existing resource, to advance cancer research in Washington State. The grant may support activities related to:

- Extending the use and availability of an existing shared resource
- Extending participation in providing data to a shared resource
- Enhancing the data or materials available in a shared resource, including linking to other databases and increasing enrollment of patients
- Building a self-sustaining (outside of additional CARE Fund investment) infrastructure to support the long-term availability of a shared resource, including but not limited to databases or specimen collection infrastructure, to advance cancer research
- Purchase of shared equipment, equipment that is needed for operationalizing the shared resource, or support the operational costs associated with shared equipment used in cancer research

The above activities listed under the Planning and Implementation grant tracks are examples and are not meant to be an exhaustive list. All cancer-related resources that have the potential to advance cancer research are eligible and may be supported.

All proposals must discuss how the resources will enable cancer research and provide a sustainability plan for how multiple users will benefit from the shared resource, whether at the same or other institutions.

Applicants proposing a project involving a **non-shared** resource are directed to the CARE Fund Life Science Start-Up and Development Grant Cycle 1 funding opportunity.

Application Characteristics

Eligibility

- Organizations in Washington State, including companies, universities, research institutions, local health jurisdictions, tribal governments, tribal entities, and Urban Indian Organizations are eligible to apply. Applicants must have a substantial presence in Washington, as determined by the CARE Board based on factors including, but not limited to, the following: number and type of staff in Washington; state of incorporation; location of headquarters, research, or manufacturing facilities in Washington; or any combination of such factors.
- Organizations may submit up to five (5) applications for this funding opportunity.
- Matching funds are not required.

Grant Award and Use of Funds

- The project period may be up to two years (24 months); Budget expenses may be allocated over the project period as needed, commensurate with the timeline and milestones.
- The total grant request (direct and indirect costs) over the project period may not exceed:
 - \$300,000 for a Planning grant
 - \$2,000,000 for an Implementation grant
- Grant funds may be used to purchase shared equipment, equipment that is needed for operationalizing the shared resource, or support operational costs for shared equipment essential to cancer research.
- Projects with collaborations outside of Washington State are allowed; however, the principal investigator and the primary research activities must be located in Washington State and the majority of the CARE Fund grant award must be allocated to recipients conducting research in Washington State.
- All grants will be made in accordance with the CARE Fund’s policies and applicable laws, including the CARE Fund statute (Chapter 43.348 Revised Code of Washington).

Timeline and Application Process

Organizations that intend to submit a full application must submit a letter of intent (LOI) for each proposal through the CARE Fund grants management system. The Shared Resources and Infrastructure Grant LOI can be accessed via the Shared Resources and Infrastructure Grant page on the CARE Fund website. **The LOI must be submitted by Thursday, October 27, 2022, 5:00 p.m. (PT).**

After the LOI is reviewed by the CARE Fund and/or contractors, selected applicants will be invited to submit a full application online via the CARE Fund grants management system. The full Shared Resources and Infrastructure grant application will be available to applicants after they are invited. **The full application must be submitted by Thursday, January 5, 2023, 5:00 p.m. (PT).**

The LOI and full application prompts and questions are available on the Shared Resources and Infrastructure page on the CARE Fund website.

Award decisions for this opportunity are anticipated to be made in May 2023. Applicants will be notified of award decisions via email.

Application Process and Estimated Timeline

Call for Proposals Announced	October 6, 2022
Letter of Intent (LOI) Deadline	October 27, 2022
LOI Review and Applicants Invited to Submit Full Application	November 2022
Full Application Deadline*	January 5, 2023
Independent Scientific Peer Review	January–April 2023
CARE Board Award Decision	May 2023
Award Agreements Executed	June/July 2023
Anticipated Start Date	July 2023
Project Support	Up to 2 years from project start date

* By invitation only

Application Review Process

Stage 1: Letter of Intent (LOI) Review

CARE Fund and/or contractors will screen the LOIs to assess the following:

- Does the LOI contain all required elements?
- Is the applicant eligible to apply under this funding opportunity?
- Is the proposed project appropriate for this funding opportunity?
- The potential of the proposed project to meet CARE Fund objectives and priorities.

CARE Fund will then invite selected applicants to submit a full application. The full online application will be available to applicants after they are invited.

Stage 2: Full Application Eligibility Screening

CARE Fund and/or contractors will screen submitted applications for eligibility and completeness to assess the following:

- Is the applicant organization eligible to apply under this funding opportunity (per the eligibility requirements listed in the RFP)?
- Is the application responsive to this funding opportunity?
- Does the proposal contain all required elements of the application?

If all questions above are answered “Yes,” the application will move to Stage 3: Peer Review. An application may be returned to the Applicant for completion or clarification, then re-submitted, per the judgment of the CARE Fund Executive Director.

Stage 3: Peer Review

Independent peer review will be conducted by the American Institute of Biological Sciences (AIBS), or a comparable organization. AIBS, or a comparable organization, will recruit a panel of independent, expert, scientific reviewers with expertise in technological resources used for cancer research. Reviewers will evaluate the merit of the applications against the review criteria listed below. The review panel will then discuss the initial review findings, taking into consideration the CARE Fund program objectives and priorities, to arrive at final scores and ratings for each application. Reviewers will summarize the review results for each application in a final review, which will include a justification of the final scoring, rating, and ranking (when applications are ranked) of the applications in the cohort.

The CARE Board will be provided with the final reviews, the cohort’s ranked scores (when available) and associated ratings, and a narrative summary of the review panel’s funding recommendations.

Stage 4: CARE Board Assessment and Award Decision

The CARE Board will make award decisions based on the scores and recommendations made by the independent scientific reviewers and will ensure that reviews align with the CARE Fund objectives and priorities. When deciding between applications of similar merit, the CARE Board may also consider program objectives and priorities, including but not limited to cancer research discipline, type of cancer or geographic distribution of grantee organizations. The CARE Board will act in accordance with its Conflict-of-Interest Policy as well as Chapter 42.52 RCW (Ethics in Public Service) to avoid actual, potential, or perceived conflict of interest.

After the independent scientific review of the research proposal, at the CARE Board's discretion, exceptional or promising proposals that are awarded a grant under this opportunity may be invited to submit a supplemental funding request. The supplemental funding request must aim to fund work that further advances or extends, but does not materially deviate from, the project that was reviewed by the independent scientific review panel.

Review Criteria

Eligible applications will be evaluated against each of the following criteria:

Significance and Impact – 20 points

- What is the significance of the proposed shared resource to address an important problem or a critical barrier in cancer research?
- What is the degree to which successful development or use of the shared resource will have an extended impact on cancer research and cancer care, especially among populations for which cancer disparities are most prevalent and/or persistent?
- What is the potential of the proposed shared resource to have a sustained impact beyond the project period?
- What is the evidence of commitment of the partners, collaborators, and stakeholders to develop and support the shared resource?
- What is the potential of the proposed shared resource, if made available, to drive economic growth in Washington State (e.g., commercialization, stimulation of employment in the state, life science industry growth, etc.)?

Innovation – 10 points

- What is the degree to which the proposed resource is original or innovative (e.g., utilization of novel theoretical concepts, approaches or methodologies, instrumentation, or interventions to shift current research or clinical practice paradigms)?
- What is the potential that the resource is critical to transformational research that will extend understanding or open new pathways in cancer care or the cancer research field?

Scientific and Technical Merit of Approach – 20 points

- What is the strength of the scientific premise of the proposed resource?
- What is the degree to which the approach and methodologies are appropriate to meet the proposed goals and objectives of developing and implementing the shared resource?
- Are milestones, timeline, and benchmarks for success for completing the goals and objectives feasible?
- Is the proposed resource sharing plan appropriate to maximize the value of the resource to researchers throughout Washington State?
- Are potential barriers to success and alternative strategies presented?
- Is there a suitable strategy for adhering to any applicable regulations, including protection for human subjects?

Investigators and Research Environment – 10 points

- Is there evidence of the Principal Investigator's qualifications to lead and manage the proposed project?
- Is there evidence of complementary collaborations that provide appropriate expertise and perspectives to strengthen the approach?
- Is the time allocated to the activities by the investigators appropriate for accomplishing the project during the project period?

- Is the applicant organization’s infrastructure (e.g., instrumentation, facilities, financial support, and other resources) adequate to support the proposed project?

Budget – Required element, but unscored

In addition to the criteria listed above, the review panel will take into consideration:

- Is the proposed budget justified and cost-effective?
- Is the proposed budget aligned with the milestones and timeline and sufficient to support completion of the project aims?

Rating	Description of Rating	Total Score
Highly Recommended	Demonstrates very high potential to impact the goals of cancer research or cancer care, excellent scientific merit, and a strong approach. Meets or exceeds the stated goals and objectives of the funding opportunity. Extremely well-organized and well-constructed Proposal.	50–60
Recommended	Demonstrates high potential to impact the field of cancer research or cancer care and strong scientific merit and approach. Meets the stated goals and objectives of the funding opportunity. Well-constructed Proposal.	40–49
Worthy of Consideration	Demonstrates good scientific merit and some potential to impact the field of cancer research or cancer care and meet the stated goals and objectives of the funding opportunity. Sufficiently constructed Proposal.	30–39
Not Recommended	Demonstrates major weaknesses that will likely decrease the potential for successful completion of the proposed project and impact in the field of cancer research or cancer care. Limited potential to meet the stated goals and objectives of the funding opportunity. Unsatisfactorily constructed Proposal.	0–29

Overall Application Ranking

Applications within the cohort may be ranked numerically (1 = highest ranked) based on the (i) final score, (ii) rating, and (iii) the CARE Fund objectives and priorities for funding decisions. When applications are ranked, rankings will concur with the ratings assigned to all applications and will reflect the review panel’s funding recommendations.

Intellectual Property

Grantees must report all inventions developed through CARE grant-funded activities or research projects to the CARE Fund. The CARE Fund does not intend to assert ownership of any invention that is derived from CARE funded research. However, if the grantee organization, or any subcontractor, decides not to take title and file an application for intellectual property protection, the CARE Fund would then have the option to take title. The grantee must notify the CARE Fund prior to any publication of the invention to allow the CARE Fund to take title and pursue or maintain intellectual property protection.

The CARE Fund does not expect to require payback of grants awarded based on income generated from sale or commercialization of any inventions resulting from CARE grant-funded activities or research. This approach is intended to minimize intellectual property-related barriers for

potential applicants and encourage pursuit of transformational research. Successful projects will stimulate economic development through job creation and infusion of additional research funds to Washington. Products derived from these inventions will then be available to the public, with the expectation that it will improve health outcomes for the people of Washington and globally.

The CARE Fund must be listed as a funder in all presentations, publications, and patent applications. Please contact the CARE Fund for specific guidelines.

Confidentiality

Information in grant LOIs and applications is received by the CARE Fund with the understanding that it shall be used or disclosed for the evaluation of applications or as required by law. The CARE Fund holds all applications confidential in accordance with its confidentiality procedures and subject to the public disclosure laws of the state of Washington. All applicants are advised that information provided to the CARE Fund, including an applicant's proprietary and confidential information, are considered public records under Washington's Public Records Act, Chapter 42.56 RCW. Generally, public records are subject to disclosure unless an exemption to disclosure applies. Information provided to the CARE Fund may be protected from potential Public Records request disclosure to the extent provided under RCW 42.56.270(29).

The CARE Fund may make use of information contained in applications for purposes of transparency and publicity, including, but not limited to applicant name; applicant organization; project title; funding amount requested; and applicant profile. For unfunded applications, the CARE Fund will not publicly release the abstract or narrative of the proposed work, budget details, or any identifiers regarding co-applicant organizations, to the extent disclosure of this information might reasonably be expected to result in private loss to the applicant organizations, and as is consistent with public disclosure laws of the state of Washington or as otherwise required by law. If a proposal is funded, the CARE Fund may make public additional information from the application, including, but not limited to: project abstract; funding amount; names and profiles of the investigators or collaborating organizations.

The CARE Fund reserves the right to publicly disseminate information about a grantee's activities through public reports, its website, press releases, speaking engagements, and other public venues. To the extent allowable under Washington State law, the CARE Fund shall not publicly disclose information that has been marked as proprietary or confidential if such information has not been previously disclosed to the public, or other information to the extent that provision of such information would reasonably be expected to result in private loss to the providers of such information.

Contact Information

Please contact Tasha Florez (tasha@wacarefund.org) for questions regarding this announcement.