

BASSER
CENTER
FOR BRCA



2022

Grants Program for Penn Investigators
Application Instructions

Letter of Intent Deadline: February 1, 2022

Grant Submission Deadline: March 1, 2022

1. Request for Applications for Basser Faculty Research Awards:
\$75,000-\$150,000 yearly x 2 years
2. Request for Applications for Basser Early Career (Postdocs, Fellows, Instructors) Research Awards:
\$75,000 x 1 year

Release Date: December 10, 2021

Due Date:

Letter of Intent- February 1, 2022 by 5:00pm

Full Application- March 1, 2022 by 5:00pm

PLEASE NOTE – THERE WILL BE NO EXCEPTIONS

Funding begins: July 1, 2022

Background and Purpose

The Basser Center for BRCA has the unique opportunity to catalyze research to change the paradigm of discovery, innovation, and care for issues related to *BRCA1* and *BRCA2* mutations. Germline mutations in *BRCA1* and *BRCA2* significantly increase the risk of breast and ovarian cancer and also are associated with prostate cancer and pancreatic cancer. Towards this end, the Basser Center is seeking applications that propose innovative approaches to the study of BRCA-related cancers.

The Basser Center will review and consider any application on any area of research relevant to increasing our understanding of *BRCA1* and *BRCA2* and improving clinical care for individuals carrying *BRCA1* and *BRCA2* mutations. Example areas of research might include basic science of *BRCA1/2* function and haploinsufficiency, population science studies including *BRCA1/2* mutation carriers, translational science around understanding tumor biology or relevant drug development. This year, we are particularly interested in any aspect of research applicable to disease interception and prevention.

There are two types of awards in this RFA:

1. Faculty awards are for two years with a funding level of \$75,000-\$150,000 per year
2. Early career awards for Fellows, Postdocs and Instructors with up to \$75,000 for one year

Submission Guidelines

Eligibility:

- Faculty applicants must be at the Research Assistant Professor level or above.
- Early career applicants include Fellows, Postdocs and Instructors
- Only one application will be accepted per investigator. Investigators may not be Co-PI on more than one application.

Phase I: A mandatory letter of intent (LOI) is due by February 1, 2022.

The LOI must be submitted here: https://www.med.upenn.edu/apps/pgacc/users/sign_in

- Search for program “2022 Basser Center for BRCA Grants for Penn Investigators-Letter of Intent”
- Under the “Basic Info” tab, please provide the information requested.
- In the “PI/Co-PI” tab, please provide the name of your Co-PI(s), if applicable. ***Each PI needs to be registered in the online submission system, or you will not be able to enter them into the data field.***
- Please designate in the LOI to which of the two types of awards you are applying.
- In the “Documents” tab under “Abstract”, please submit a one page letter of intent including:
 - Title of proposed project
 - PI/Co-PI (if applicable) names, degree(s) and position
 - Description of the project including specific aims and relevance to *BRCA1/2*

The purpose of the LOI is to allow the Basser Center time to assemble appropriate reviewers - not to invite grants for full submission. There will be no feedback provided to applicants regarding the LOI and anyone submitting an LOI is welcome to follow through with a full grant application.

Phase II: Full grant applications (due March 1, 2022)

1. Applicants must use the Bassett Center for BRCA Application Form (located at the bottom of this announcement).
2. Only one application will be accepted per investigator. Investigators may not be Co-PI on more than one application.
3. Applications must be submitted using this website:
https://www.med.upenn.edu/apps/pgacc/users/sign_in
 - Search for program “2022 Bassett Center for BRCA Grants for Penn Investigators-Grant Application”
 - Under the “Basic Info” tab, please provide the information requested. Standard NIH formatted Biosketches are sufficient. If there are multiple PIs, please combine all Bios *into one single PDF file* and upload.
 - Under the “Co-PI(s)” tab, please provide the name of your Co-PI(s), if applicable.
 - Under the “Documents” tab, please upload your Research Proposal *as one single PDF file*, using the Bassett Center for BRCA Application Form. Application Forms must include:
 - Abstract
 - Specific aims, not to exceed one page
 - Significance*
 - Background*
 - Research Plan*
 - References
 - Budget with justification

Note: Significance, Background and Research Plan must not exceed **five total pages*
4. Formatting requirements: Arial 11 font, single spaced, no less than ½ inch margins all around.
5. Page numbering is recommended, and should use sequential numbers, e.g., do not use 2a and 2b, etc.
6. Supplemental/Appendix material is limited to letters of support/collaboration and PDFs of papers in press and not yet publically available. Any other additional material will be discarded.

Preparation of Budgets: No specific budget format is required, but be sure to include adequate details and corresponding justification. Faculty awards will be funded for a period of 2 years for \$75,000-\$150,000/year contingent on significant progress year to year. Early career awards will be funded up to \$75,000 for one year. Awards are also contingent on the availability of funds.

Allowable expenditures include:

- Salary support for investigator
- Research supplies and animal maintenance
- Travel when necessary to carry out the proposed research program
- Publication costs, including reprints
- Costs of computer time
- Special fees (pathology, photography, etc.)
- Equipment costing less than \$5,000. Special justification is necessary for items exceeding this amount, and permission must be obtained from the Bassett Center for the purchase of such equipment

- Registration fees at scientific meetings
- Technician/laboratory personnel support

Non-allowable expenditures include:

- Secretarial/administrative personnel
- Honoraria and travel expenses for visiting lecturers
- Per diem charges for hospital beds
- Non-medical services to patients
- Construction or building maintenance
- Major alterations
- Purchasing and binding of periodicals and books
- Office and laboratory furniture
- Office equipment and supplies
- Rental of office or laboratory space
- Recruiting and relocation expenses
- Dues and membership fees in scientific societies

Review Process

The review process will be completed by a committee of outside scientists, which is expected to include a subset of members of the Basser Center External Scientific Advisory Board. Successful applicants will be announced in June 2022. Funding will have a start date of July 1, 2022. Review Criteria will include:

1. **Impact:** What is the likelihood that the proposed research will have a transformative impact on science with a goal toward an impact on clinical care pertaining to BRCA?
2. **Innovation:** Is the proposed application creative and original? If successful, will the work produce dramatic paradigm shifts in research and clinical practice by using novel concepts, methodologies, and/or interventions?
3. **Investigative Team:** Does the proposed PI have a strong track record of leadership of innovative science?
4. **Approach:** Are the general strategies and translational approaches sufficiently rigorous to ensure generation of important data? Is the proposed research BRCA1/2 specific? Are metrics of success and plans for sustainability presented and reasonable?

Ongoing Review and Evaluation

Funded awardees will be expected to submit semi-annual progress reports, which will be evaluated by the Basser Center leadership and Internal Advisory Board and possibly by outside advisors. Metrics of success and

progress toward achieving scientific goals will be considered. Continuation of funding will depend on progress.

Link to application form: [2022 Basser Internal Research Grant Program Application Form](#)

Link to online submission: https://www.med.upenn.edu/apps/pgacc/users/sign_in

For questions relating to this RFA, please contact:

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