

2024 Center for Prevention Science in Child and Family Health Pilot Application

Purpose

The Center for Prevention Science in Child and Family Health is seeking proposals for pilot projects that involve studying the influence of family on child health and chronic disease prevention. The goal of the pilot project is to allow investigators to pursue novel and innovative ideas that will improve the likelihood of obtaining extramural funding. This funding is also meant to allow investigators to explore novel and innovative ideas, collect preliminary data for future grant applications, and build new collaborations in areas pertinent to child and family health and prevention.

The Center for Prevention Science in Child and Family Health is a new, emerging center at Wake Forest University School of Medicine and Atrium Health Enterprise. This innovative center is geared towards leveraging the family system as a means to improve the health of children and families. The family is one of the primary influences on the health and wellbeing of a child. Unfortunately, the family is not taken into account in health care, aside from socio-demographic considerations, or a singular focus on a parent-child dyad. Understanding the deeper complexities of the family dynamic are too often not included in research plans, including inter- personal relationships, communication, stress, and parenting. The Center's initial focus will be in three topic areas that independently and synergistically impact the development of chronic disease:

1. Lifestyle and Health Behaviors, especially childhood obesity;
2. Assessing/improving adherence to treatment regimens; and
3. Social Determinants of Health

Priority will be given, but not limited to, proposals that feature:

- Measures of the family, including: family dynamics, stress, communication, and structure
- A focus on child health, well-being, or disease of childhood
- Community engagement, involvement of target population in study design, or involves a community member advisory board
- Focus areas of lifestyle and health behaviors, adherence to treatment, and social determinants of health
- The Learning Health System

One project will be funded this year. The successful applicant will receive up to \$20,000 to be spent within a 12-month project period. Completed applications are due December 13, 2023 (see below).

Successful proposals may include:

- Applications with or leverage funding from Centers
- Utilization of the Center core facilities
- Applications with multi-PIs, cross-departmental and new collaborations

Eligibility

These awards are open to investigators with faculty rank across the Southeast region of Advocate Health. This includes Atrium Health, Atrium Health Navicent, and Atrium Health Wake Forest Baptist, including Wake Forest University School of Medicine.

Key Dates

| Date | Detail |
|--------------------|-------------------------|
| 12/13/23, 11:59 pm | Application Deadline |
| 1/6/24 | Selection of Awardees |
| 2/1/24 | Project Start Date |
| 1/31/25 | Latest Project End Date |

Funding

The Center for Prevention Science in Child and Family Health will fund up to \$20,000 in direct costs per project. See section on Budget Guidelines for more details on allowable and non-allowable budget items.

Application Procedure

Investigators are invited to apply by submitting their complete application through [the ePilot electronic submission system](#), by the deadline noted above. Application instructions are summarized below.

Complete Application Deadline: 12/13/2023 by 11:59 pm

Format Specifications

- Arial font and no smaller than 11 point
- Margins at least 0.5 inches (sides, top and bottom)
- Single-spaced lines
- Consecutively numbered pages

Submission/Applicant Information

- Project Title
- Submitting Investigator, Co-Investigator(s), and other Key Personnel information

Abstract (300 words max)

Research Plan (6 pages max)

- *Specific Aims*
- *Significance* – Explain how the project addresses an important problem, how it will improve scientific knowledge, technical capability and/or clinical practice.
- *Investigator(s)* – Describe how each member of the team will contribute to the project. Include their expertise and experience that will be utilized on this project.
- *Innovation* – Explain how this project uses novel concepts, approaches or methodologies, instrumentation or interventions.
- *Approach* – Describe the overall strategy for this project, including potential problems, alternative strategies and benchmarks for success.
- *Projected Timeline* - (examples can be found in [Appendix I](#))
- *Identify if application is under submission or submitted for other Center awards*

References (no page limit)

Information Regarding Human Subjects, If Applicable.

Address the following if the project **involves human subjects**.

- Provide a one-page document addressing the Protection of Human Subjects, if applicable.
- IRB Approval Status (please note: IRB approval is not required for full application submission, however a **delay in IRB approval does not alter the project end date**)

Information Regarding Live Vertebrates, If Applicable.

- IACUC Approval Status (please note: IACUC approval is not required for full application submission, however a **delay in IACUC approval does not alter the project end date**)

Budget and Justification (budget template plus 1-page justification)

- Complete the [budget template form](#) provided along with a brief justification for the funds requested for this RFA. Please include explanation of other resources that may be leveraged to support the project.
- Sub-awards to other institutions to carry out work on a project are not allowed.

NIH-style biographical sketch for all Key Personnel (new style)

Budget Guidelines

The budget period is for 12-months ending no later than January 31, 2025. Up to \$20,000 in direct costs may be requested.

Grant funds may be budgeted for:

- Salary support for the PI or faculty collaborators (using NIH salary cap)
- Research support personnel (including undergraduate and graduate students)
- Travel necessary to perform the research
- Small equipment, research supplies, participant incentives, and core lab costs, or
- Other purposes deemed necessary for the successful execution of the proposed project

Grant funds may **not** be budgeted for:

- Office supplies or communication costs, including printing
- Meals or travel, including to conferences, except as required to collect data
- Professional education or training
- Computers or audiovisual equipment, unless fully justified as a need for the research
- Manuscript preparation and submission, or
- Indirect costs

Awarded funds must be used to conduct the work proposed. All direct charges to this award must adhere to federal regulations and requirements regarding the use of Center for Prevention Science in Child and Family Health funds. The Center for Prevention Science in Child and Family Health reserves the right to revoke funding in the event it is determined that funds were not spent in accordance with the approved protocol. The general criteria for determining allowable direct costs on federally sponsored projects is set forth in 2 CFR Part 200: Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (The Uniform Guidance).

Multiple Submissions

The PI must identify whether the application is submitted to CTSI or other Wake Forest University School of Medicine Centers for consideration of funding.

Review Criteria and Process

The Center for Prevention Science in Child and Family Health proposals are competitive and peer reviewed. Proposals will be evaluated by the Center for Prevention Science in Child and Family Health Pilot Fund Committee members based on NIH review criteria and scoring. Final award approval will be at the recommendation of the Center for Prevention Science in Child and Family Health Pilot Fund Committee.

Funding decisions will be made based on the reviews of an evaluation of the projects' connection with the goals of the Center for Prevention Science in Child and Family Health. Any IACUC and/or IRB protocols must be approved prior to funding of the approved pilot.

Reviewers will score applications from 1 to 9 based on:

1. Significance of the problem to be addressed;
2. Innovation in the proposed solutions;
3. Strength and breadth of the investigative team;
4. Methodological rigor and feasibility with clear milestones;
5. Likelihood the innovation will be broadly applicable and have impact on translational research, and;
6. A reporting plan regardless of whether the study yields positive or negative results;
7. Other elements to be considered in the review include: the likelihood that the investment will lead to external funding or a licensable innovation, early-career faculty involvement, race/gender inclusiveness of the research team and inclusion of women, minorities, older adults and children as potential participants.

Program Expectations

If any significant issues arise, the study team will be required to work with the Center for Prevention Science in Child and Family Health to define an intervention strategy for the study to be successfully completed (or in rare cases, terminated).

Specific Deliverables Include:

- Disclosure of implementation/dissemination results and efforts to seek extramural funding beyond the pilot grant and subsequent notification of any funds obtained and/or related publications or significant collaborations from the project for a minimum of 4 years.

Other Guidelines

1. Prior to receiving funds, research involving human subjects must have appropriate approvals from the IRB. Either an IRB approval letter or an IRB response to a “Determination Whether Research or Similar Activities Require IRB Approval” must be submitted to the Center for Prevention Science in Child and Family Health prior to funds being released. Human subjects must be reviewed in accordance with the institution’s general assurances and HIPAA. All key personnel must have certification of training in the protection of human subjects prior to the start of the grant period.
2. Prior to receiving funds, research involving live vertebrates must have appropriate approvals from IACUC. Either an IACUC approval letter or documentation on why activity does not require IACUC approval must be submitted to the Center for Prevention Science in Child and Family Health prior to funds being released.
3. The Center for Prevention Science in Child and Family Health staff will work closely with funded teams throughout the grant period to monitor progress and, when necessary, provide assistance. A final progress report will be required. We expect PIs to report over the lifetime of the work the outcomes achieved due to the pilot award, e.g., subsequent external funding, publications, presentations and patents.
4. All publications that are the direct result of this funding must reference: “Research reported in this publication was supported by the Center for Prevention Science in Child and Family Health at Wake Forest University School of Medicine.” Publications must also be registered in PubMed Central.
5. Any awardee who leaves his or her position should contact the Center for Prevention Science in Child and Family Health to discuss future plans for the project.

Grant Administration

The Principal Investigator is responsible for the administration of grant funds. Projects will be for a 12-month period of time.

Contacts

Questions about your research project or the ePilot electronic submission system should be directed to Kaleb Sizemore, ksizemor@wakehealth.edu.

Appendix I

Below are examples to show different methods to provide study milestones, outcomes, and timeline. However, these formats are not required.

Example 1:

- **Milestone 1 (0-1.5 months):** Milestone 1 Details **Outcome:** Outcome 1 Details
- **Milestone 2 (1.5- 4 months):** Milestone 2 Details **Outcome:** Outcome 2 Details
- ...

Example 2:

| Timeline and Milestones | | | | |
|--------------------------|---|---|---|---|
| Quarters | 1 | 2 | 3 | 4 |
| Activity/Aim/Milestone 1 | X | X | X | |
| Activity/Aim/Milestone 2 | X | X | | |
| Activity/Aim/Milestone 3 | | X | X | X |