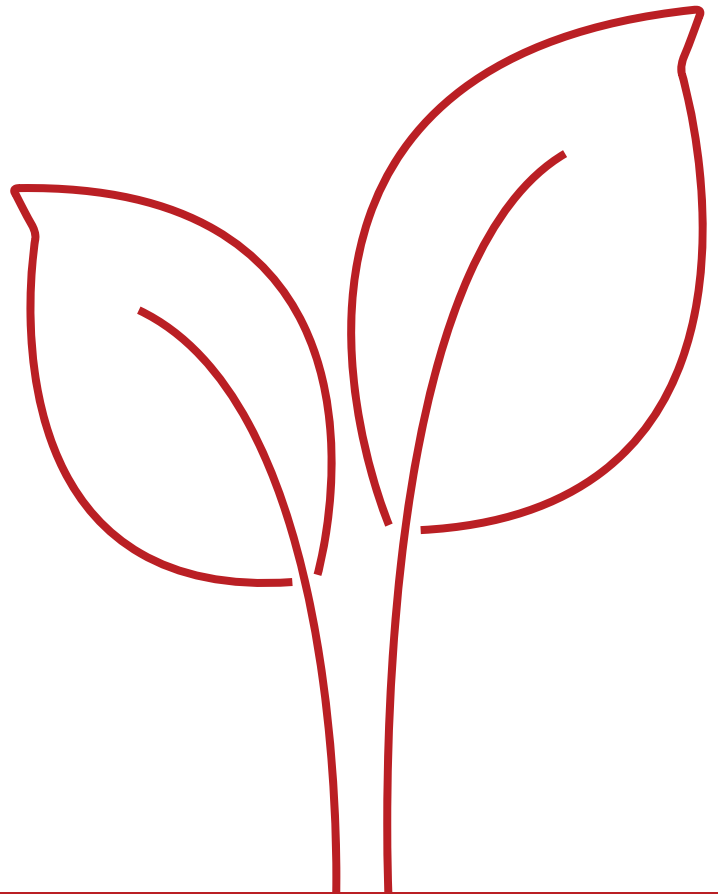




THE OHIO STATE UNIVERSITY



FFH

SEED

GRANTS

2 0 2 1

INTRODUCTION

The Foods for Health Discovery Theme is seeking proposals from the Ohio State community for our Spring 2021 award cycle.

The FFH Seed Grant Program has three primary goals:

1. Foster new collaborations and encourage exploration into promising, novel areas of research.
2. Enable the generation of data, novel tools, and methods needed for successful applications for extramural funding.
3. Advance the vision and mission of FFH.

These goals will be achieved through the funding mechanisms described in this packet. Please address all questions to Matt Teegarden and Julie Manning at ffh@osu.edu.

ABOUT FFH

The Foods for Health Discovery Theme is Ohio State's premier initiative for interdisciplinary research that defines the health impacts of foods using modern technology and informatic approaches. Our growing community is made up of researchers in diverse disciplines across 12 academic units.

OUR VISION

Healthier lives through scientific discovery across food, nutrition, and diet.

OUR MISSION

To advance multidisciplinary research that defines the relationship between foods, disease prevention, and health promotion.



FFH promotes research within the framework of a dual approach to precision nutrition.



Advances are needed to understand how factors such as an individual's health status, dietary habits, microbiome, metabolome, genome, and lifestyle can all be integrated to produce tailored dietary recommendations for improved health.



At the same time, progress must be made to advance healthy food by understanding the chemical underpinnings of acceptability, elucidating health promoting components, and optimizing production of crops and consumer products.

AWARD OVERVIEW

FFH is pleased to announce three new seed grant mechanisms for the 2021 cycle. Each grant type is summarized below, and more information can be found on subsequent pages in this packet.

	INNOVATE	STRENGTHEN	FACILITATE
	New collaborations & new lines of research	Complete critical studies for grant submissions	Fill in missing pieces for grants & publications
Award amount	\$50,000	\$20,000	\$5,000
Award length	2 years	1 year	1 year
Number available	Up to 2	Up to 5*	Up to 5

* Up to 3 STRENGTHEN grants will be awarded to proposals addressing the special notice described on page 6 of this packet.

TIMELINE

January

13

Request for proposals released

February

5

INNOVATE and STRENGTHEN award letters of intent due

March

26

All final proposals due by 5:00 PM- [submit to ffh@osu.edu](mailto:ffh@osu.edu)

May

7

Applicants informed of award decision (FFH reserves the right to adjust this date as necessary to facilitate the review process)

INNOVATE

INNOVATE awards provide up to \$50,000 in direct costs for a two-year project. The purpose of this funding mechanism is to foster new collaborations and provide funding that allows investigators to explore new lines of scientific inquiry outside of their established research program.

ELIGIBILITY

- This opportunity is open to all FFH affiliated faculty.
- One faculty member will serve as principal investigator along with a minimum of one collaborating faculty member as Co-PI.
- Investigators must represent distinct disciplines, and multi-college/academic unit collaborations are strongly encouraged.
- Additional non-funded investigators may also be listed on the application.
- Projects must be distinct from ongoing activities and/or represent significant new collaborations.
- The same individual may not serve as PI on more than one FFH Seed Grant application per cycle. PIs may serve as Co-PI on other applications.

AWARD TERMS

- All awards will be transferred to and administered by the PI's home department. Funds are valid for two years from the date of initial fund transfer.
- No faculty salaries, faculty fringe benefits, or capital equipment (>\$5,000 purchase price) will be supported.
- Travel necessary for completion of research is allowed. Travel expenses for presentation of results is allowable up to \$2,000. Planned travel should be conducted in accordance to University policy in place at the time of travel.
- 50% of funds will be transferred at the start of the award period, with the second 50% released upon submission of an acceptable mid-term report. Alternative disbursement schemes will be considered if strongly justified.
- No-cost extensions are discouraged, though permissible only in extenuating circumstances.
- A final report must be submitted by the end of the two-year award period. Failure to submit a final report will result in disqualification from future funding opportunities from FFH.
- FFH support must be acknowledged in all resulting publications and presentations.
- Cost center CC10677 must be included at 0% effort level in the associated PA005 for any future proposal submissions that use data collected with these funds. This will allow FFH to track effort and return on investment to ensure the longevity of the FFH Seed Grant Program.

EXPECTED OUTCOMES

Recipients of this award are expected to submit publication(s) to peer-reviewed journal(s) and/or application(s) for extramural funding related to the project within one year of project completion.

LETTER OF INTENT (REQUIRED)

All interested teams must submit a letter of intent outlining the following within 2 pages:

- PI and Co-PI, including short descriptions of past work and expertise, and how your proposed team and research topic is interdisciplinary
- General description of research area and key questions that the team will address
- The significance of this research area in terms of future fundability and impact
- Justification as to why this team is novel and/or why the proposed research is new to the team
- Format: 2 pages, single-spaced, ½ inch margins, 11-pt type (Calibri or Times New Roman)

APPLICATION FORMAT

Applications are limited to three pages including figures and tables. Section III is not counted towards the page limit. Applications must be saved as a single PDF file using the naming convention “PI-Name_INNOVATE-21.pdf” (e.g., Buckeye_INNOVATE-21.pdf). Documents should be single-spaced with ½ inch margins and 11-point type (Calibri or Times New Roman). Applications will be submitted to ffh@osu.edu. In the submission email, please include the names and contact information of three potential internal reviewers. Sections will include:

I. Introduction

- a. Title of proposal
- b. PI/Co-PI including names, colleges, and departments
- c. Lay abstract (250 words max)
- d. Problem statement: what is the research question being addressed? Why is it significant, and how does it fit within the goals of FFH? What is the hypothesis?
- e. Innovation statement: What is novel or innovative about the proposed research?

II. Approach and Outcomes

- a. Materials and Methods: describe the study design and the methodology that will be used to collect and analyze data. Address current or potential limitations and how those will be overcome.
- b. Expected Results: describe anticipated findings using applicable references and preliminary data, if available. Discuss the technical value these findings would have.
- c. Outcomes: Describe how the proposed work will be used to advance competitive extramural funding applications. In addition, discuss additional ways in which results will be used (i.e., grant applications, publications, teaching, etc.). Be as specific as possible in terms of use cases and timelines.

III. Project Team, Timeline, and Budget

- a. Team: Provide the name, contact information, title, college, and department for each supporting team member (including students). Also describe the relevant expertise and proposed contributions of each member.
- b. Timeline: Briefly describe how work will progress over the 24-month award.
- c. Budget: Fill out the FFH Seed Grant Budget Table
- d. Budget Narrative: Justify costs, including how cost/sample was calculated (if applicable).

STRENGTHEN

STRENGTHEN awards provide up to \$20,000 in direct costs for a one-year project. The purpose of this funding mechanism is to enable faculty to complete critical studies needed to round out competitive, interdisciplinary extramural funding applications.

ELIGIBILITY

- **All applicants must submit a 2-page (maximum) letter of intent with a short description of the project and team.**
- This opportunity is open to all FFH affiliated faculty.
- One faculty member will serve as principal investigator along with a minimum of one collaborating faculty member as Co-PI.
- Investigators must represent distinct disciplines, and multi-college/academic unit collaborations are strongly encouraged.
- Additional non-funded investigators may also be listed on the application.
- The same individual may not serve as PI on more than one FFH Seed Grant application per cycle. PIs may serve as Co-PI on other applications.

AWARD TERMS

- All awards will be transferred to and administered by the PI's home department. Funds are valid for one year from the date of initial fund transfer.
- No faculty salaries, faculty fringe benefits, or capital equipment purchase will be supported.
- Salary support for post-candidacy students is strongly preferred given the short time frame of this award.
- Travel necessary for completion of research is allowed, but must be strongly justified. Travel expenses for presentation of results is allowable up to \$1,000. Planned travel should be conducted in accordance to University policy in place at the time of travel.
- 50% of funds will be transferred at the start of the award period, with the second 50% released upon submission of an acceptable mid-term report. Alternative disbursement schemes will be considered if strongly justified.
- No-cost extensions are discouraged, though permissible only in extenuating circumstances.
- A final report must be submitted by the end of the 12-month award period. Failure to submit a final report will result in disqualification from future funding opportunities from FFH.
- FFH support must be acknowledged in all resulting publications and presentations.
- Cost center CC10677 must be included at 0% effort level in the associated PA005 for any future proposal submissions that use data collected with these funds. This will allow FFH to track effort and return on investment to ensure the longevity of the FFH Seed Grant Program.

EXPECTED OUTCOMES

Recipients of this award are expected to submit application(s) for extramural funding within one year of project completion.

The NIH recently released their new 2020-2030 Strategic Plan for Nutrition Research. FFH has released dedicated funding for interdisciplinary teams to STRENGTHEN capabilities in areas that address the strategic plan. The goal of this special funding is to build a strong foundation for future competitive opportunities that stem from this plan.

Terms

In addition to the terms outlined for STRENGTHEN grants, applicants must clearly articulate why the proposed activities address the Strategic Plan for Nutrition Research. This should be described in an additional subsection in section III, after the budget narrative.

Expected outcomes

Recipients of these special STRENGTHEN awards are expected to demonstrate productivity through extramural funding applications, joint publications, and/or conference abstracts within one year of project completion. Thus the response to II c. below may be adapted.

APPLICATION FORMAT

Applications are limited to three pages including figures and tables. Section III is not counted towards the page limit. Applications must be saved as a single PDF file using the naming convention “PI-Name_STRENGTHEN-21.pdf” (e.g., Buckeye_STRENGTHEN-21.pdf). Documents should be single-spaced with ½ inch margins and 11-point type (Calibri or Times New Roman). Applications will be submitted to ffh@osu.edu. In the submission email, please include the names and contact information of three potential internal reviewers. Sections will include:

I. Introduction

- a. Title of proposal
- b. PI/Co-PI including names, colleges, and departments
- c. Lay abstract (250 words max)
- d. Research statement: What is the overarching goal of this aspect of your/the team’s research? Why is it significant? What is the proposed study (or studies) and how do they fit in to the research narrative that will be submitted for extramural funding?

II. Approach and Outcomes

- a. Materials and Methods: describe the study design and the methodology that will be used to collect and analyze data. Address current or potential limitations and how those will be overcome.
- b. Expected Results: describe anticipated findings using applicable references and preliminary data. Discuss the technical value these findings would have.
- c. Outcomes: Describe how the proposed work will be used to advance competitive extramural funding applications. Discuss specific funding opportunities you plan to apply to with this preliminary data. Be as specific as possible in terms of organizations and timelines

III. Project Team, Timeline, and Budget

- a. Team: Provide the name, contact information, title, college, and department for each supporting team member (including students). Also describe the relevant expertise and proposed contributions of each member.
- b. Timeline: Briefly describe how work will progress over the 24-month award.
- c. Budget: Fill out the FFH Seed Grant Budget Table
- d. Budget Narrative: Justify costs, including how cost/sample was calculated (if applicable).
- e. (If applicable) NIH Strategic Plan for Nutrition Research alignment statement.

FACILITATE

FACILITATE awards provide up to \$5,000 in direct costs for immediate, well-defined, near-term needs. The purpose of this funding mechanism is to enable investigators to utilize core facilities at Ohio State to gather final datapoints needed for publication and/or grant submissions.

ELIGIBILITY

- This opportunity is open to all FFH affiliated faculty.
- One faculty member will serve as principal investigator
- Additional non-funded investigators may also be listed on the application.
- The same individual may not serve as PI on more than one FFH Seed Grant application per cycle. PIs may serve as Co-PI on other applications.

AWARD TERMS

- All awards will be transferred to and administered by the PI's home department. Funds are valid for one year from the date of initial fund transfer.
- All funds will be transferred at the start of the award period.
- No faculty salaries, faculty fringe benefits, travel, or capital equipment will be supported
- No-cost extensions are discouraged, though permissible only in extenuating circumstances.
- A final report must be submitted by the end of the 12 month award period. Failure to submit a final report will result in disqualification from future funding opportunities from FFH.
- FFH support must be acknowledged in all resulting publications and presentations.
- Cost center CC10677 must be included at 0% effort level in the associated PA005 for any future proposal submissions that use data collected with these funds. This will allow FFH to track effort and return on investment to ensure the longevity of the FFH Seed Grant Program.

EXPECTED OUTCOMES

Recipients of this award are expected to submit publication(s) to peer-reviewed journal(s) and/or application(s) for extramural funding related to the project within one year of project completion.

APPLICATION FORMAT

Applications are limited to two pages including figures and tables. Applications must be saved as a single PDF file using the naming convention "PI-Name_FACILITATE-21.pdf" (e.g., Buckeye_FACILITATE-21.pdf). Documents should be single-spaced with ½ inch margins and 11-point type (Calibri or Times New Roman). Sections will include:

APPLICATION FORMAT (cont'd)

I. Introduction

- a. Title of proposal
- b. PI/Co-PI including names, colleges, and departments
- c. Research statement: What is the overarching goal of the research project that this data will contribute to? What are the missing datapoints that will be gathered, and how do you expect they will substantiate the conclusions you are making or the research you are proposing?

II. Approach

- a. Materials and Methods: describe the study design and the methodology that will be used to collect and analyze data. Address current or potential limitations and how those will be overcome.
- b. Expected Results: describe anticipated findings using applicable references and preliminary data. Discuss the technical value these findings would have.

III. Project Team, Timeline, and Budget

- a. Team: Provide the name, contact information, title, college, and department for the person at the core facility you plan to work with. Also provide the same information for any other investigators that will contribute to the study.
- b. Timeline: Briefly describe how work will progress over the 12 month award.
- c. Budget: Fill out the FFH Seed Grant Budget Table
- d. Budget Narrative: Justify costs, including how cost/sample was calculated (if applicable).

IV. Deliverables

- a. Describe how the proposed work will be used in either manuscript submission or funding applications within a year of completing this project.