

Personalized Food and Nutritional Metabolomics for Health

Discovery Themes at The Ohio State University



Learn more at dlscovery.osu.edu

Foods for Health (FFH) Discovery Theme & Food Innovation Center (FIC) Seed Grants

The FFH-FIC Seed Grant Competition is a university-wide initiative with a primary goal of advancing the use of [metabolomics-based technology](#) in food and nutrition research for the improvement of global health. Successful proposals will focus on food and nutritional metabolomics, are innovative, collaborative, create value, result in professional presentations and peer review publications, and stimulate the submission of competitive extramural grants.

Dates:

- RFP announced: February 3, 2017
- Proposal deadline: **April 14, 2017**
- Award notice: May 12, 2017
- Earliest start: May 22, 2017
- Midterm report due: 6 months after Official Start Date
- Final report: 11 months after Official Start Date

Budget: Up to \$25,000 in direct costs for 11 months per award. A total pool of \$125,000 is available for distribution. No faculty salaries, fringe, or capital equipment (>\$2,500 purchase price) are allowed. Travel essential for research is permitted while conference travel is not. Funds may be expended, starting at the earliest on May 22, 2017 and lasts 11 months past the start date. Funds will be incrementally transferred to the PI's unit on award and again on receipt of a midterm report (50% to begin and 50% upon receipt of report). If awardee desires extension for use of funds, a maximum of 6 months will be allowed.

Eligibility:

- Must have one faculty member as principal investigator (PI) per application along with one or more collaborating Co-PI(s). At least one co-PI must be from a different department than the PI.
- No PI recipient of the 2016 FFH-FIC Seed Grant Award may apply as PI for the 2017 competition. However, there is no restriction on the number of awards for which one may serve as co-PI.
- Co-PIs may be OSU faculty, research scientists or post-doctoral researchers.

What is Metabolomics? *Metabolomics* refers to the systematic identification and quantification of small molecules and their metabolic products (the set of metabolites, or metabolome) of a biological system (cell, tissue, organ, biological fluid or organism) at a specific point in time. Mass Spectrometry and NMR Spectroscopy are the techniques most often used for metabolome profiling. Metabolomics refers to the study of a multitude of metabolites at the same time, therefore, the analysis of only a handful of metabolites is not considered metabolomics.

Metabolomics Inventory: A list of laboratories with metabolomics capabilities at OSU [and](#) the NIH Metabolomics Centers can be found at <http://discovery.osu.edu/focus-areas/foods-for-health/resources.html>.

Reviewer Scoresheet: Proposals will be peer-reviewed using these criteria:

- 40 Significant and innovative project that advances metabolomics profiling
- 20 Well-written project with a reasonable budget and timeline
- 20 New collaboration distinct from ongoing activities and other funding
- 20 Plan and timeline for extramural funding is feasible

To apply, submit the following to ffh@osu.edu by **April 14, 2017, 5PM**. Watch for confirmation that your proposal was received. All documents should be letter-sized pages, 11 or 12 point font, single spaced, with 1 inch margins, in Word or PDF. **Confidentiality:** Please indicate trade secret or confidential material in **red-colored text**, with all other text in black. Red text will not appear in reports, not be copied nor sent to anyone other than the FFH Executive Committee and staff.

Three-page core proposal: Items one through nine below are limited to a maximum of three pages.

1. Title
2. PI and collaborator(s) names, email, phone, academic units and colleges
3. Lay abstract of up to 250 words
4. Background and hypothesis
5. Justification
 - a. How does the work create a healthier future for individuals and populations through the application of metabolomics to food and diets?
 - b. What is novel and innovative?
 - c. How is this work distinct from other projects (proposals and awards) of the members of the research team?
6. Preliminary data, if available, anticipated metabolomics methods and expected results
7. Timeline and deliverables
8. Strategies for securing external support indicating **specific** programs, grants, or sponsors
9. References, not included in 3 page limit

Budget: (up to one page, need not be part of three-page limit) **Combine with three core pages into a single Word or PDF file.** Matching or cost share is not required, but should be clearly shown in this budget.

- Itemize and justify costs via footnotes or budget narrative
- Clearly indicate role of each co-PI along with outline of funds for each collaborator
- Please describe how cost per sample in your proposed studies was determined. A supporting letter from director of lab that will perform metabolomics analysis and/or necessary informatics is required should the individual not be PI.

Note for Resubmissions: Resubmissions may include a supplementary ½ page narrative, in addition to the revised proposal, in response to summary comments forwarded for the seed grant competition in Autumn, 2016.

Appendices: Combine all into a **single file**, separate from the three-page core and the budget. Biosketches and current and pending support for all team members. Please follow NIH, NSF or USDA style.

Awardee Responsibilities:

All research complies with all regulations including IRB or IACUC. A midterm report and final report of results and plans for continued funding is due 6 months and 11 months after official start date, respectively. These reports help members qualify for future competitions, and conversely, inadequate reports will jeopardize future consideration. If funds are awarded, recipients must acknowledge support from the Foods for Health Discovery Theme on publications and abstracts. Desired outcomes of these seed grants include successful extramural grant applications, publications, dissertations, new collaborations, abstracts, and professional presentations.

Questions? Suggestions? Contact Bisma Abbaoui at 614-292-8878 or ffh@osu.edu. To learn more about metabolomics and our scientific mission visit: <http://discovery.osu.edu/focus-areas/foods-for-health/about>. Learn more about the mission of the Food Innovation Center at <http://fic.osu.edu/>

Good luck to your team!