



MICHIGAN REGIONAL COMPREHENSIVE METABOLOMICS RESEARCH CORE (MRC)²

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(MRC)² Pilot and Feasibility Grant Program

PURPOSE OF PILOT AND FEASIBILITY STUDIES:

The University of Michigan Regional Comprehensive Metabolomics Resource Core (MRC)² is offering funding for exploratory projects utilizing metabolomics technology.

The P/F program is intended to provide opportunities for investigators to advance basic, clinical and translational biomedical science by incorporating metabolomic technologies into their research program.

The goal of this program is to enable investigators to generate a sufficient body of preliminary information for a successful application for major research funding from NIH or other national granting agencies.

NOTE: All Investigators who receive a P/F from the RCMRC will be required to follow the Common Fund Metabolomics Program policy for data deposition and data sharing outlined at http://grants.nih.gov/grants/policy/data_sharing/.

For additional P/F funding opportunities, visit the other RCMRCs:

[NIH West Coast Metabolomics Center at UC Davis](#)

[NIH Eastern Regional Comprehensive Metabolomics Resource Core](#)

[Southeast Center for Integrated Metabolomics \(SECIM\)](#)

[Metabolomics Core at Mayo Clinic](#)

[Resource Center for Stable Isotope-Resolved Metabolomics](#)

Please note that the same application cannot be sent to more than one RCMRC.

APPLICATION DEADLINE:

March 16, 2017

ELIGIBILITY:

Faculty or equivalent [eligible to apply for NIH funding](#) . We especially encourage applications from **junior faculty (Assistant Professor or below) and those who have not previously utilized metabolomics in their research.**

Note: Investigators who have extensive use of metabolomic technology in their research program are generally ineligible for funding.

LEVEL OF FUNDING:

The budget for the P/F application cannot exceed \$50,000/year in direct costs for a 12-month project period.

At least **50% of the budget should be for use of the metabolomics infrastructure** at the (MRC)². This includes methods development, sample analysis and post-analysis statistical and bioinformatic support. Review of current service costs can be found on the Metabolomics Core website:

<https://medicine.umich.edu/medschool/research/office-research/biomedical-research-core-facilities/metabolomics/services-fees>.

The funding for metabolomics infrastructure will remain at the University of Michigan; therefore indirect costs will not be applied. The remainder of the funds will be awarded through a subcontract to the awardee's institution (for non- UM applicants) at the appropriate federally negotiated rate.

Please note that P&F funds cannot be used to cover PI salary.

REVIEW PROCESS:

Applications to the (MRC)²'s P/F program will be submitted through the University of Michigan Medical School, Office of Research's Competition Space site (<https://umms.infoready4.com/#>).

A three stage review process will occur:

First, applications will be triaged for eligibility and applicability to the (MRC)² mission.

Second, proposals considered to be technically feasible will be reviewed by outside reviewers who are content area specialists to judge relative scientific merit using standard NIH review formats. Criteria will be the overall scientific quality and the potential for future NIH funding utilizing metabolomics to investigate biomedical questions.

Third, competitive grants from the participating RCMRCs will be prioritized for by the Metabolomics Program Executive Committee.

Priority for Funding

1. New investigators without current or past NIH funding (R01 or equivalent) as a PI, collecting preliminary data for an NIH submission
2. Established NIH investigators who are incorporating metabolomics into their research program
3. Established investigators who have developed a new or innovative idea in a research area of direct interest to the RCMRC communities

APPLICATION:

NIH application guidelines will be followed. Applications will be prepared using standard NIH PHS398 forms (<http://grants.nih.gov/grants/funding/phs398/phs398.html>).

The applications will include:

A Face Page (Note: signature required for non U-M applicants)

Abstract

Budget and Budget Justification

Biosketch of Principal Investigator and other Key Personnel

Resources

Research Proposal. The proposal will be limited in to **5 pages**, Specific Aims page included, and should follow and must include the following elements:

- Specific Aims
- Background
- Significance, including rationale for the use of metabolomics to address the problem
- Impact
- Preliminary Results, if available (but not required)
- Experimental Approach

Additional information to be provided (**not** included in the 5 page limit):

- Plans for Future Funding
- Eligibility Statement. A very brief description of the PI's eligibility
- References
- Protection of Human and/or Animal Subjects

NOTE: Any project involving animal or human samples must provide proof of UCUCA or IRB permission prior to initiation of the project. If this is not obtained within 60 days of the funding date for the project, funding will be withdrawn.

SUBMISSION:

Applications should be submitted through the U-M Medical School Office of Research's Competition Space site (<https://umms.infoready4.com/#>).

RESPONSIBILITY OF INVESTIGATORS FUNDED BY THE (MRC)²:

Investigators must agree in writing that they will abide by NIH data deposition and data sharing rules, and will deposit metabolomics data and associated metadata in the Data Repository and Coordinating Center ([DRCC](#)).

Pilot and Feasibility Grant Awardees are required to submit a final progress report to the (MRC)² within 2 months of the end of the funding period.

Any unspent funds will need to be returned to the (MRC)².

QUESTIONS:

Questions about the P/F grant program can be directed to:

Alla Karnovsky, PhD.

Director, (MRC)² P/F Grant program

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