



WISCONSIN
UNIVERSITY OF WISCONSIN-MADISON

Request for Pilot Proposals

UW-Madison Comprehensive Diabetes Center

**** Deadline 5pm August 14, 2020 ****

The UW-Madison Comprehensive Diabetes Center invites interested investigators to submit proposals for pilot funding for 2020-2021. Funding will support animal costs and core services at two new core facilities supported by the Comprehensive Diabetes Center UW2020:

1. **Mouse Phenotyping and Surgery Core (MPSC)**. Services available at the MPSC include body composition analysis by EchoMRI, metabolic chambers that allow the measurement of energy expenditure by indirect calorimetry and spontaneous activity, and assessment of fitness using rotarod, grip strength meters, and treadmills. These measurements are critical to experiments analyzing whole animal metabolism and health in mouse models of obesity, diabetes, aging, and many other diseases. The MPSC can also sacrifice animals and collect samples for molecular analysis.
2. **The Advanced Lipidomics Platform (ALF)**. The ALF is based within the Mass Spectrometry Core facility of the Biotechnology Center, which has been outfitted with a liquid chromatography/quadrupole time of flight Mass Spectrometer (LC/QTOF-MS) instrument for global and targeted lipidomics. The ALF instrumentation has the capacity to identify over 600 different lipid species, provide guidance on data analysis, and allow users to align multi-omics datasets.

The results of pilot research projects are expected to be published and to lead to the submission of extramural research proposals (e.g. R03, R01, or other NIH funding).

Number of awards

Up to eight pilot awards are planned: **(2)** \$4,000 awards to support experiments that use the MPSC and **(6)** \$5,000 awards to support experiments that use either or both the MPSC or ALF.

Application Process

Prepare a 1-2 page proposal with a description of your research, budgetary needs, and attach a Biosketch. Submit proposals to Esther Schulman eschulman@medicine.wisc.edu by 5pm **August 14, 2020**.

Expected outcomes

Funded pilot projects will be expected to provide a final report, due the first week of September in the year after the pilot is awarded. We also expect you to let us know when an NIH application based on the pilot work is submitted, regardless of whether it is during the year of funding or in the future. All publications resulting from pilot-funded research must be submitted to PubMed Central and associated with the UW Madison Comprehensive Diabetes Center.

Selection criteria

Proposals will be evaluated by the UW-Madison Comprehensive Diabetes Center Pilot Grant Review Committee on the basis of (a) Feasibility (b) likelihood that proposed work will result in NIH R01 or other funding within 2 years; (c) likelihood the research will result in important publications with insights into metabolic diseases such as diabetes. Priority will be given to proposals that utilize both the MPSC (to phenotype mice and generate samples) and the ALF (to analyze samples) for a single experiment. Applications from early-career investigators, including postdocs, will be prioritized. Investigators may submit more than one proposal, but should provide a priority ranking for each. Note: Animals proposed for study at the MPSC must be clean (RARC breeding colony, Jackson, or other approved vendor; ask if questions).

For more information, contact:

MPSC: Dr. Dudley Lamming, dlamming@medicine.wisc.edu

ALF: Dr. Judith Simcox, jsimcox@wisc.edu