



bioMT Pilot Project Program RFP

The COBRE Institute for Biomolecular Targeting (bioMT) requests proposals for pilot projects relating to its theme: the identification, validation, or development of molecular targets associated with human disease. Two types of proposals will be accepted: 1) mentored junior-faculty projects; and 2) interdisciplinary projects. Proposals for either mechanism should capitalize on the use of bioMT core resources (<http://biomt.dartmouth.edu/cores/>). For interdisciplinary projects, we are particularly interested in proposals that could lead to the submission of a P01 or other multi-project application.

Funding:

1. Mentored junior faculty: maximum of \$50K/year for 2 years
2. Interdisciplinary projects: maximum of \$100/year for 2 years

Timeline:

- Full Proposals due: **Friday, June 30, 2023 (by 5:00 PM)**
- Target date to start (subject to NIGMS approval): January 1st, 2024

Eligibility: The PI must hold a tenure-track/tenured or independent research-track appointment at the rank of assistant, associate, or full professor in the Faculty of Arts & Sciences, the Geisel School of Medicine, or the Thayer School of Engineering, or an AMS-line appointment at Geisel. Applicants may not have other research project support from an IDeA Program award. Junior-faculty project PIs may not have tenure, and must identify a senior faculty mentor. Preference may be given to early-stage candidates without prior research project awards (e.g., R01, NSF, or foundation funding; except for pilot or career-development awards). Interdisciplinary projects must include faculty from distinct disciplines and propose work that would engage the Molecular Tools Core or Molecular Interactions & Imaging Core. Investigators are limited to a single application as PI.

Proposals must include the following:

- Cover page that states the name, title, department for all PIs, proposal title, and amount requested.
- An NIH face page (PHS 398 form).
- An NIH abstract page (PHS 398 page 2).
- Specific Aims Page.
- Three-page Research Design section (consistent with standard NIH formatting requirements). This section needs to be written by all applicants, including senior faculty who are not experts in the particular research field. It should contain:
 - A. Significance (particularly the relevance to the bioMT mission)
 - B. Innovation
 - C. Approach/Research Plan
 - D. Potential use of the cores (not more than 1/4 page)

E. Impact of the pilot award on funding strategy. This section should describe how the data generated by the pilot will facilitate the submission or revision of a grant application. For proposed multi-project submissions, it should include a strategy to engage program officers(s) and other potential intramural funding sources. (Not to exceed 1 page)

- References (counted separately from the three-page limit).
- Budget: should be appropriate for the scale of the work being proposed. Budgets should outline all expenditures and should include a detailed (non-modular) budget justification. The award period is 2years. Budgets may not exceed \$50,000 per year for mentored projects and \$100,000 per year for interdisciplinary projects. Award amounts may vary depending on the scope of the project.
- NIH Biosketches (with all current support listed) for the PI and other personnel.
- Human Subjects and Animals: It is not necessary to obtain approval prior to submitting a proposal. However, final approval by NIGMS will depend on submission of any necessary IRB or IACUC documentation.

Submit as a single PDF [named "lastname_bioMTPilot"] by email to Shaniqua Jones (Shaniqua.A.Jones@Dartmouth.edu) by Friday, June 30th, 2023 (5:00pm).

Review of Full Proposals:

Proposals will be reviewed internally for completeness and then by the COBRE bioMT External Advisory Committee (EAC). They will rank proposals relative to the following criteria. Brief review comments may be provided. Priority will be given to projects that:

- Address a basic, translational, and/or clinical research problem relating to human health or disease.
- Present high-quality, high-impact science. Scientific excellence is a prerequisite for funding.
- Show clear potential to generate new biomedical research funding (e.g., produce preliminary data supporting significance, innovation, or experimental design). Funded faculty must clarify the relationship to existing projects.
- Incorporate interdisciplinary, cross-programmatic, collaborative approaches.
- Interact strongly with the bioMT cores.

Additional Post-Award Requirements:

- All awards will require participants to attend weekly bioMT and Faculty Research Club (FRC) seminars and to present their research annually.
- Applicants will provide written interim progress reports in advance of EAC meetings and a final progress report within 60 days of the conclusion of the pilot project grant.
- Applicants must cite/acknowledge COBRE award in all related publications/presentations.

For more information, please email: Shaniqua Jones (Shaniqua.A.Jones@Dartmouth.edu).