

## Limited Submission Announcement

### National Science Foundation (NSF) - Designing Materials to Revolutionize and Engineer our Future (DMREF)

The Office of Research Development invites faculty to submit internal applications for the [NSF's Designing Materials to Revolutionize and Engineer our Future \(DMREF\)](#) program. This limited submission opportunity is restricted to five (5) proposals per organization as lead, and proposals must align with NSF's guidelines and goals for advancing materials research through collaborative, iterative approaches integrating experiment, computation, and theory.

#### Key Program Details:

- **Program Overview:** DMREF seeks to accelerate the materials discovery-to-deployment timeline through interdisciplinary research teams leveraging data science, machine learning, and the materials innovation infrastructure. The program emphasizes collaborative, iterative “closed-loop” processes among theorists, computational scientists, and experimentalists.
- **Funding Amount:** \$1,500,000 – \$2,000,000 over four years (pending availability of funds).
- **Estimated Number of Awards:** 20–25.
- **Eligibility:** Proposals must involve at least two Senior/Key Personnel with complementary expertise. Each PI/Co-PI may only participate in one proposal submitted as part of this solicitation.

#### Internal Competition Details:

Rowan University may serve as the lead institution on up to **five (5) proposals**. To ensure compliance with NSF's submission limits, an internal competition will determine which proposals are selected for submission to NSF.

#### Internal Application Requirements:

1. **Cover Page:** Project title, names of PIs and Co-PIs, and departmental affiliations.
2. **Project Summary (2 pages max):** Overview of the research goals, interdisciplinary collaboration, and alignment with DMREF priorities.
3. **Preliminary Budget:** Estimated costs and justification.
4. **PI and Co-PI CVs:** (2 pages max per person).
5. **Team Composition and Roles:** Brief description of how team members' expertise complements the project.

**Internal Due Date:** December 13, 2024, by 5:00 PM (local time).

Submit applications via email to [ORD@rowan.edu](mailto:ORD@rowan.edu) with the subject line “NSF DMREF Internal Submission.”

**Important Dates:**

- **Internal Deadline:** December 13, 2024.
- **NSF Proposal Window:** January 21, 2025 – February 4, 2025.

**Additional Information:**

Detailed program guidelines and eligibility criteria can be found in the [NSF solicitation](#). Faculty members are encouraged to contact the Office of Research Development for guidance and resources to strengthen their submissions.

**Contact Information:**

Office of Research Development

Email: [ORD@rowan.edu](mailto:ORD@rowan.edu)