

## LIMITED SUBMISSION FUNDING OPPORTUNITY: National Science Foundation (NSF) Materials Innovation Platforms (MIP)

To apply for this program, please submit a [Notice of Intent](#) via the Research and Faculty Development support portal by **5:00 p.m. PT on November 21, 2018**.

Note: If we receive more NOIs than the number of proposals allowed by this program, we will contact PIs with a request to submit concept papers to determine which proposal will be submitted to NSF.

Materials Innovation Platforms (MIP) is a mid-scale infrastructure program in Division of Materials Research (DMR) that supports transdisciplinary research and education, cutting-edge tools, and knowledge sharing in key enabling areas of national priority. The MIP Program aligns with the [Materials Genome Initiative \(MGI\)](#), which strives to "discover, manufacture, and deploy advanced materials twice as fast, at a fraction of the cost."

**This second MIP competition focuses on the convergence of materials research with biological sciences for developing new materials.** New ways of synthesis/processing of complex materials with novel functionalities are of high priority. Scalable and sustainable synthesis/processing approaches are also of high interest. In addition, MIPs are expected to make full use of opportunities provided by engaging the emerging field of data science.

This collaborative and iterative process requires a team with the requisite expertise in synthesis/processing, characterization, theory/modeling/simulation, etc. The proposed projects are directed by a team of at least three Senior Personnel with complementary expertise. The whole MIP team also includes Senior Personnel and technical staff with expertise in tool development, data, and user facility operation. Advancement in characterization methodologies and theory/modeling/simulation approaches that benefit the research endeavor is also expected. While all instruments needed for world-class research facilities will be considered, a high priority for NSF is to support instruments with unique capabilities. The major activities of a MIP include:

- Developing next-generation experimental and computational tools, as well as advancing the capabilities of the current state-of-the-art tools;
- Conducting in-house research by a transdisciplinary team in a focused topic designed to address a grand challenge of fundamental science and meet a national need;
- Operating a user facility that provides unique materials research tools, samples, data, and technical services open to a diverse community of external researchers at various institutions; and
- Serving as an educational focal point for training the next generation of tool developers and users.

[Download the NSF program solicitation.](#)

**Limit on Number of Full Proposals per Organization: 1**

**Limit on Number of Full Proposals per PI, Co-PI or Senior Personnel: 1**

**Timeline** (all deadlines are at 5:00 p.m. Pacific Time)

Nov 20, 2018: Deadline to submit NOI

Dec 11, 2018: Deadline to submit concept papers (if needed - PIs will be notified)

Jan 4, 2019: Notifications to PI selected to advance to the NSF full proposal stage

Feb 4, 2019: Deadline to submit full proposal to NSF

**For more information**, please contact Research & Faculty Development at [ored-rfdteam@uidaho.edu](mailto:ored-rfdteam@uidaho.edu)