

## **18) Materials Research Institute**

Equipment and Research Support Services

Millennium Science Complex, University Park Campus

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Penn State's investment in its interdisciplinary research institutes, including the Materials Research Institute (MRI), has created a culture of strong collaborations across disciplines. At Penn State, many researchers have the support of both their academic departments and the university-wide institutes, such as MRI. By encouraging crosscutting research, MRI and its sister institutes open up traditional silos of knowledge to the stimulus of other viewpoints and new ideas. This mingling of disciplines, often called "convergence," brings together the physical and life sciences with engineering and computation to solve the most complex problems facing society today and in the future. [www.mri.psu.edu](http://www.mri.psu.edu)

**2D Crystal Consortium (2DCC)**- The 2DCC-MIP is focused on advancing the synthesis of 2D materials within the context of a national user facility. <https://www.mri.psu.edu/mip>

**Materials Characterization Lab (MCL)** - The MCL is a fully-staffed, open access, analytical research facility charged with enabling research and educating the next generation of highly qualified researchers. <https://www.mri.psu.edu/materials-characterization-lab>

**Materials Computation Center (MCC)** - Our primary goal is to support internal and external users working in computer-based simulations of materials across the various length and time scales. <https://www.mri.psu.edu/materials-computation-center>

**Nanofabrication Laboratory** - Our staff scientists and engineers will enable users to transition fundamental research in nanomaterials to innovation-driven multicomponent integrated devices and systems. <https://www.mri.psu.edu/nanofabrication-lab>