

MADELEINE DEAN
4TH DISTRICT, PENNSYLVANIA

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Congress of the United States
House of Representatives
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March 19, 2026

The Honorable Tom Cole
Chairman
Committee on Appropriations
H-305, the Capitol
Washington, D.C. 20515

The Honorable Rosa DeLauro
Ranking Member
Committee on Appropriations
1036 Longworth HOB
Washington, D.C. 20515

Dear Chairman Cole and Ranking Member DeLauro,

I am requesting funding for AI-Enhanced Research Capacity in Quantum Information, Molecular Science, and Advanced Biological Modeling in Fiscal Year 2027. The entity to receive funding for this project is Ursinus College, located at 601 E. Main Street, Collegeville, PA 19426.

The funding would be used for a state-of-the-art GPU supercomputer to support undergraduate and faculty research in quantum information, biology and molecular science. High-performance computing enables AI-enhanced research by rapidly analyzing large datasets, simulating complex systems, and reducing reliance on costly physical experimentation. This supercomputer would serve as a transformative and cost-effective research asset, significantly accelerating discovery timelines while improving research accuracy compared to traditional methods. By enabling thousands of virtual experiments, the proposed supercomputer would reduce reliance on slower, costlier physical trials. As federal research budgets face increasing pressure, a relatively modest investment in high-performance computing at Ursinus would establish a durable foundation for translational and applied research within Pennsylvania's Fourth Congressional District.

The project is an appropriate use of taxpayer funds because the supercomputer will be integrated directly into undergraduate education, providing students with hands-on experience in high-performance computing, AI, and data-intensive research. These skills are highly transferable and in strong demand within the region's biotechnology and pharmaceutical industries. Broad student access to this resource will support workforce preparation and help develop a pipeline of highly skilled workers. Establishing this level of research infrastructure within the Fourth Congressional District has the potential to attract new industries, create jobs, and stimulate additional local investment..

The project has a federal nexus because the funding provided is for purposes described in section 272 of title 15, United States Code.

I certify that I have no financial interest in this project, and neither does anyone in my immediate family

Sincerely,

A handwritten signature in blue ink that reads "Madeleine Dean". The signature is written in a cursive style with a prominent initial "M" and a decorative flourish at the end.

Madeleine Dean
Member of Congress