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## **ELLICOTT CITY TEEN AWARDED \$10,000 FOR RESEARCH INTO EQUILIBRIUM OF SUPERCOOLED LIQUIDS Nadine Meister to be Named a 2020 Davidson Fellow Scholarship Winner**

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Ellicott City, Md. – The Davidson Fellows Scholarship Program has announced the 2020 scholarship winners. Among the honorees is 18-year-old Nadine Meister of Ellicott City. Meister won a \$10,000 scholarship for her project, *Cooperative Relaxation in Supercooled Liquids: Kadanoff's Block Construction and Wilson's Renormalization Group Transformation*. She is one of only 20 students across the country to be recognized as a scholarship winner.

“I am incredibly honored to be named a Davidson Fellow and be a part of this inspiring community,” said Meister.

For her project Meister researched the time it takes for supercooled liquids to return to equilibrium when disturbed by an external force. Her research has the potential to improve the strength, elastic strain and wear resistance of metallic glasses which can be used for medical sensors and other biomedical applications.

Meister will be attending Harvard University in the fall, and plans to study physics with a minor in mathematics or computer science. She hopes to continue to use mathematics and physics to tackle problems in different fields.

“We are proud to announce the 2020 Davidson Fellows Scholarship recipients and applaud them for their hard work and achievement in their fields of study,” said Bob Davidson, founder of the Davidson Institute. “By being awarded this recognition, these students have shown immense skill and work ethic, and they should be commended as they continue their educational and research journeys while continuing to work to solve some of the world’s most vexing problems.”

The 2020 Davidson Fellows will be honored during a digital reception on September 30, 2020.

The Davidson Fellows Scholarship program offers \$50,000, \$25,000 and \$10,000 college scholarships to students 18 or younger, who have completed significant projects that have the potential to benefit society in the fields of science, technology, engineering, mathematics, literature and music. The Davidson Fellows Scholarship has provided more than \$8.2 million in scholarship funds to 366 students since its inception in 2001, and has been named one of the most prestigious undergraduate scholarships by *U.S. News & World Report*. It is a program of the Davidson Institute for Talent Development, a national nonprofit organization headquartered in Reno, Nev. that supports profoundly gifted youth.

### **About the Davidson Institute**

Founded by Bob Davidson in 1999, the Davidson Institute for Talent Development recognizes, nurtures and supports profoundly intelligent young people, and provides opportunities for them to develop their talents to make a positive difference. The Institute offers support through a number of programs and services, including the Davidson Fellows Scholarship and the [Davidson Academy of Nevada](http://www.DavidsonAcademyofNevada.org). For more information about the 2020 Davidson Fellows, please visit [www.DavidsonGifted.org/Fellows-Scholarship](http://www.DavidsonGifted.org/Fellows-Scholarship).

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*High-resolution photos are available at [www.DavidsonGifted.org/Fellows-Scholarship](http://www.DavidsonGifted.org/Fellows-Scholarship).*