Sheri Singerling

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Biography:
Sheri Singerling (she/her/hers) is a self-described mineralogist who specializes in the study of astromaterials (meteorites and stardust) utilizing electron microscopy, specifically the SEM, EPMA, and TEM. She received her BS in Geology (2010) at the University of North Carolina, where she was first introduced to meteorites during her senior thesis project. She went on to attend the University of Tennessee for graduate school, where she received her MS in Geology (2012) studying glasses in howardite meteorites with Dr. Hap McSween. Sheri took a year off from graduate school to work at the Smithsonian's National Museum of Natural History in the Department of Mineral Sciences as a geologist contractor. While there, she assisted with the classification of meteorites from the ANSMET program, responded to public inquiries regarding potential meteorite finds, and digitized the NMNH polished thin section collection. Sheri returned to graduate school and received her PhD in Geology (2018) at the University of New Mexico studying sulfides in carbonaceous chondrites with Dr. Adrian Brearley. From 2019 to 2021, she did a postdoc at the U.S. Naval Research Laboratory, where she studied stardust using the TEM with Dr. Rhonda Stroud. In 2021, Sheri started a research faculty position at Virginia Polytechnic Institute and State University working as a TEM specialist for NanoEarth, the NSF-funded National Nanotechnology Coordinated Infrastructure node at Virginia Tech. In her role at NanoEarth, she performs nanoscale studies of earth and environmental materials for other researchers as well as performs her own research on astromaterials.

Research Interests etc.:
- Mineralogy
- Planetary science
- Cosmochemistry
- Chondrite meteorites
- Presolar grains (aka stardust)
- Transmission electron microscopy
- Nanoscience