Stanford



Emily Ellefson

Ph.D. Student in Geological Sciences, admitted Autumn 2021

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I am a palynologist, that is, I study fossilized pollen and spores! Previously I have worked on Permian-Triassic and Jurassic-Cretaceous palynology, but here at Stanford I'm excited to be exploring a new time interval and will be working on Silurian-Devonian palynology. My research will focus on how the evolution of terrestrial plants affected the marine redox record through palynology, paleobotany, and geochemistry.

Publications

PUBLICATIONS

- **Endospores associated with deep seabed geofluid features in the eastern Gulf of Mexico.** *Geobiology*
  Rattray, J. E., Chakraborty, A., Elizondo, G., Ellefson, E., Bernard, B., Brooks, J., Hubert, C. R.
  2022