

# Stanford

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## Emily Ellefson

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

### Research & Scholarship

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#### 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

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#### 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