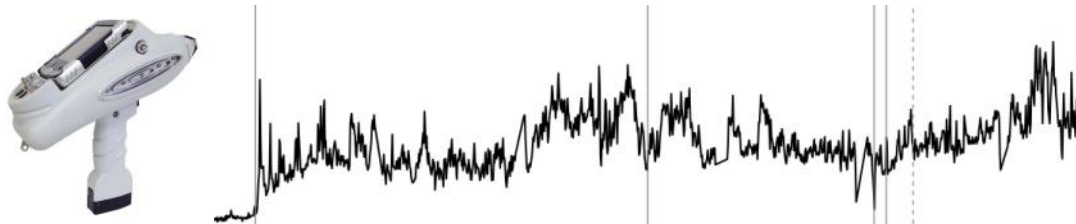


# UNDERGRADUATE RESEARCH OPPORTUNITY IN SEDIMENTOLOGY/PALEOBOTANY

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Chris Schiller, a postdoc in the Strömberg Lab (<http://www.stromberglab.org/>) where we study ancient ecosystems, focusing on fossil plants, is currently seeking an undergraduate student to fill a paid laboratory position collecting data on the elemental geochemistry of fossil-bearing rocks from Idaho.



This position is part of an NSF-funded project titled, “Mid-Miocene climate, vegetation, and disturbance dynamics of the Pacific Northwest”. We are focused on reconstructing vegetation changes at high resolution to study the causes of abrupt ecosystem changes in the mid-Miocene, when temperatures were 4-7°C warmer than pre-industrial conditions, close to the most dire projections for warming at the end of the 21st century. One part of this project is to reconstruct landscape stability through elemental geochemistry measured through X-ray fluorescence of sediments.

The candidate will conduct X-ray fluorescence analysis of sediment samples housed at the Burke Museum. The opportunity also exists to continue this line of research, beyond the currently funded 16 weeks, for credit. We also encourage the candidate to become academically vested in the project, with the potential to present their research at a professional conference and/or contribute to a peer-reviewed paper.

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## Expectations:

- Work approximately 10 hours/week for negotiable 16-week period
- Work *in person* at the Burke Museum
- Have good attention to detail, good handwriting, and careful note-taking skills

## Optional, but preferred:

- Be self-motivated with an interest in applying for graduate school and a career in research
- Have some experience in sedimentology or geochemistry (e.g. ESS 316)

**How to apply:** Send your CV (or resumé) and a brief (~1 page) statement describing your research interests and goals to [cschill2@uw.edu](mailto:cschill2@uw.edu) by **January 29**. Feel free to email with questions!

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We acknowledge that the geosciences remain one of the least diverse fields among the STEM (science, technology, engineering, and math) disciplines. Therefore, we welcome applications from students of all backgrounds who will enrich our lab with their unique experiences regarding race, national origin, gender, veteran status, disability, and/or being a first-generation college student.

