

Ph.D. Student Opportunity, Lehigh University, Department of Earth and Environmental Sciences

Support is available for a Ph.D. student working on the (bio)geochemical cycling of nitrogen (and other volatiles) among major Earth reservoirs, with possible ties to astrobiology. This work will in part explore key pathways for the transfer of initially biological N (and C) among Earth's crust-mantle reservoirs. Parts of the field work would likely be done in the European Alps, building on work done by this group over the last twenty years, and would be collaborative with researchers in France and Italy. Some of the work characterizing materials could be conducted at the Institute for Planetary Materials, Okayama University, located in Misasa, Japan.

<http://www.misasa.okayama-u.ac.jp/eng/>
<https://pml.misasa.okayama-u.ac.jp/home.php>

The Ph.D. student in this position would be given full financial support while conducting their dissertation research (given satisfactory progress), including full coverage of salary and all tuition costs. This support could come from a combination of fellowships, research assistantships (e.g., from National Science Foundation grants), and teaching assistantships. The student would begin at Lehigh University in either the summer or fall, 2021, possibly with some initial field work during that summer (depending on any travel restrictions related to COVID-19). In general, a Ph.D. project at Lehigh University is expected to have a duration of four years, depending in part on the prior experience level of the student.

Lehigh University is located in eastern Pennsylvania, 60 miles north of Philadelphia and 90 miles WSW of New York City. This Ph.D. work would be done in the Department of Earth and Environmental Sciences (see the web links below).

<https://www1.lehigh.edu/>
<https://ees.cas.lehigh.edu/>

Please contact Professor Gray E. Bebout (geb0@lehigh.edu) with any questions regarding this opportunity.

<https://ees.cas.lehigh.edu/content/gray-bebout>
<https://www.lehigh.edu/~geb0/geb0.html>

For information regarding applications, see: <https://ees.cas.lehigh.edu/node/337>