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