

**Post-doc in Mars Petrology and Geochemistry
Brock University**

Applications are being sought for a one-year postdoc to work with Dr. Mariek Schmidt at Brock University, located in St. Catharines, Ontario, Canada and starting in Fall, 2024. The successful applicant will join the Mars 2020 PIXL instrument team and will be expected to contribute to mission operations. The specific research direction may depend on interest and discoveries made by the Mars 2020 Perseverance rover and could include using PIXL results to interpret the petrology of igneous rocks, mineralogy based on PIXL X-ray data, aqueous alteration, and/or dust or coating history on natural surfaces. Opportunities for teaching and student co-supervision in the Earth Sciences Department may also be available.

Qualifications:

PhD in geology or planetary sciences

Experience with some or all of the following is helpful but not required:

- Supervising students
- Planetary materials
- Petrological or geochemical modeling

Please contact Mariek Schmidt, mschmidt2@brocku.ca if interested.

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Mariek E. Schmidt (she/her)

Professor

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