



The Magma Degassing group at the Department of Earth and Planetary Sciences invites applications for:

***A postdoctoral researcher in volcanology applications of  
Laser Induced Breakdown Spectroscopy (LIBS)***

The Magma Degassing (MAD) group focuses on understanding the dynamics of processes involved in magma degassing - the exsolution, transport and escape of volatiles - using isotopic and elemental disequilibria. A new tandem LIBS instrument (Applied Spectra) was installed in 2016. The instrument is connected to an iCAP Qc ICP-MS and has a 213 laser and a CT-detector.

In discussion with Kim Berlo the successful candidate will develop their own research project using the new tandem LIBS. Additionally the postdoctoral researcher will carry out development of methods for applications. The position is for 1 year initially with the continuation depending on performance and funding successes. The postdoctoral researcher will be expected to participate in the funding application process. The starting date can be as soon as early 2017.

The ideal candidate will have a strong academic background in volcanology and/or igneous petrology as well as an analytical background, preferably in LIBS or LA-ICP-MS and an interest in understanding LIBS.

Quebec law limits the postdoctoral status to those researchers who are within 5 years of obtaining their PhD degree. McGill is an English-speaking University, but Montreal is a French-speaking city so speaking French is an advantage.

A full application including a CV, publication list and 1-page research statement as well as the contact information of 2 references should be forwarded to [kim.berlo@mcgill.ca](mailto:kim.berlo@mcgill.ca). Review of the applications will commence on the 15<sup>th</sup> of November and continue until the position is filled.