

## Atlanta Geological Society April 2019 PG Candidate Workshop

**Date:** Saturday, April 27, 2019  
**Time:** 10:00 am until 12:00 pm  
**Place:** Fernbank Science Center  
156 Heaton Park Drive, NE  
Atlanta, Georgia 30307  
<http://fsc.fernbank.edu/>  
678-874-7102  
[Map](#)

**Speaker:** Abigail Knapp

**Subject:** Petrology

Abigail graduated with MS in hydrogeology from UGA. Her interests include modeling, Hydrology and hydrogeology, and igneous petrology.

Abigail will present the basics of igneous petrology with a focus on major igneous rocks types and the minerals which define them. We will begin with the basic tectonic settings and processes of igneous rock formation as a foundation, after which we will link the lava types with the minerals which cool from them. We will go over the fundamental chemistry of growth rates, fractionation, and the Bowen's Reaction Series.

In addition to theory, we will review how to identify and classify igneous rocks in hand sample and thin section using their mineralogy and textures we will also review the use of phase diagrams and other useful tools for igneous petrology and geochemistry

Please join us and feel free to **forward this announcement to anyone that might be interested.**

Two Professional Development Hours will be offered and everyone is invited to attend. AGS Membership is not required, but certainly. Go to our web site ([atlantageologicalsociety.org](http://atlantageologicalsociety.org)) or Facebook page for more info. An application form is attached

AGS Professional Registration Committee

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