

## ADVERTISEMENT FOR PhD POSITION WITHIN OPUS 28 PROJECT

**Title Opus 28 project:** Volatiles mobilization and redistribution during orogenesis

**PI:** Dr. Alessia Borghini

**Where:** AGH University of Krakow, <https://www.agh.edu.pl/en>

### **Requirements:**

- Holder of Master's degree obtained in universities within Poland or abroad, having the right to apply for a doctoral degree in Poland (see regulation here: <https://sd.agh.edu.pl/en/candidates/terms-and-conditions-of-admissions-to-the-agh-doctoral-school#c10384>);
- Master's degree in metamorphic petrology, igneous petrology or geochemistry;
- Excellent ability in the study of rocks with optical microscope, fieldwork experience, and desirable experience with microprobe and micro-Raman spectroscopy;
- Advanced level of proficiency in spoken and written English;
- High motivation, serious approach to work and good communication skills, and ability to work in a team.
- Mobility during the PhD duration, as the student is expected to participate in conferences and travel abroad for data collection (within Europe and Japan).

### **Description of tasks:**

- Fieldwork for the collection of rock samples in different localities in the Caledonides, also including remote areas;
- Study of rock samples with an optical microscope and microprobe;
- Characterization of melt and fluid inclusions from the petrological and geochemical point of view with micro-Raman spectroscopy and Field-emission scanning electron microprobe;
- Re-homogenization experiments of melt inclusions with piston cylinder and multi-anvil press;
- Trace elements and volatiles analyses of the inclusions and host with LA-ICP-MS and NanoSIMS;
- U-Pb garnet and zircon geochronology.

**Deadline application:** Please submit an application by email to [borghini@agh.edu.pl](mailto:borghini@agh.edu.pl) by **21<sup>st</sup> of July**, end of the day. The candidates selected for the interview will be informed by 23<sup>rd</sup> of July, and the interviews will be held July **31<sup>st</sup> – August 1<sup>st</sup>** via Teams or Zoom.

**Employment conditions:** The selected **candidate, after the interview, must register and submit the required documents to the AGH Doctoral School**

**following the regulations at: <https://sd.agh.edu.pl/en/candidates>. The deadline for registration at the doctoral School is 8<sup>th</sup> of August.**

**The starting date of the PhD is October 1<sup>st</sup> 2025.** The awarded PhD candidate will be enrolled for 4 years from 1<sup>st</sup> October 2025 to 30<sup>th</sup> September 2029. They will receive two scholarships: the Doctoral School will provide a stipend consisting of **3466.90 PLN** before mid-term evaluation (first two years) and of **5340.90 PLN** after the mid-term evaluation; NCN (project call OPUS 28) will provide an additional scholarship of **5000 PLN/month** for the entire duration of the PhD.

**Additional information:** Candidates should hold a Master's degree by July 2025. To apply, please send via email to [borghini@agh.edu.pl](mailto:borghini@agh.edu.pl) by the 21<sup>st</sup> of July:

-a cover letter;

-a CV (including scientific background, publications/research achievements, scholarships/awards, and participation in research workshops, training courses, and research projects);

-a copy of the Master's diploma and abstract of master's thesis.