

**JOB DESCRIPTION**

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| **Job Title:** Research Associate in Volcanology | **Present Grade:** 6 |
| **Department/College:** Lancaster Environment Centre (LEC) |
| **Directly responsible to:** Dr Thomas Jones (LEC)  |
| **Supervisory responsibility for:** n/a |
| **Other contacts**  |
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| **Major Duties:**The post-doctoral role will directly contribute to the UKRI funded project entitled “Flow and fragmentation of melts and magmas: developing a unified view through experimental, numerical and field investigations”. You will be working and based within Dr Jones’ research group at Lancaster University.For appointment at Grade 6 Post-Doctoral Researcher you will:* Contribute to the project by performing lab characterization of pyroclasts (e.g., bubble/crystal number density, grain size, shape, density)
* Lead the analysis, interpretation, and integration of these new datasets.
* Use these textural and petrographic datasets to model the associated magma decompression/ascent rate.
* Engage with all project partners and the wider research team.
* Make results accessible and ultimately targeted to the needs of end users.
* Lead the preparation and submission of journal papers for publication of project findings.
* Participate in writing new research proposals that build on the expertise developed in this project.
* Be an active and enthusiastic member of the (GFD) research group and contribute regularly to relevant research seminars, lab management, and collaborative research activities.
* Attend and present research and represent the interests of the research group and Lancaster University at major national and international conferences.
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