

**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. | |