



UCD School of Geological Sciences

UCD Science Education and Research Centre (West),
University College Dublin,
Belfield, Dublin 4, Ireland

T +353 1 716 2331
F +353 1 283 7733

Scoil na nEolaíochtaí Geolaíochta UCD

Ionad Léann agus Thaighde Eolaíochta UCD (Iarthar),
An Coláiste Ollscoile, Baile Átha Cliath,
Belfield, Baile Átha Cliath 4, Éire

geology@ucd.ie
www.ucd.ie/geology

Postdoctoral Researcher (Level II)/Research Fellow Position available

The Seismology Laboratory at the School of Geological Sciences University College Dublin seeks a Postdoctoral Researcher (Level II)/Research Fellow in seismic source (numerical) modelling at glacier-covered volcanoes. The aim is to identify candidate processes capable of generating the range of observed tremor signals in such environments, through numerical simulations. A further goal is to better understand the role played by glacier-volcano interactions in seismic signal generation. The position is funded through the European Commission FutureVolc volcano supersite project and the successful candidate will be expected to play an active collaborative role within FutureVolc.

Field seismic tremor data are available (through FutureVolc) for comparison with simulation outputs, with a geographical focus on the western Vatnajökull region, which has two seismic arrays specifically designed for tremor location. A primary objective of the work is to move towards adopting tremor as a quantitative early warning tool for both sub-glacial eruptions and sub-glacial floods (jökulhlaup). The successful candidate will have a strong background in numerical simulations of seismic sources, tremor sources in any environment and/or ice-quakes.

The position is for two years (Postdoctoral Researcher Level II) or a minimum of 18 months (Research Fellow). All applications received by the closing date will be considered, however if a suitable candidate is not found the position will be reopened.

For more information:

www.ucd.ie/vacancies

All applications must be made through the UCD online system

www.futurevolc.hi.is

www.ucd.ie/geophysics