

The University of Auckland

School of Environment

PhD in Structural Geology

New Zealand is on the boundary of the Australian and Pacific plates, and therefore provides an ideal natural laboratory for learning about active earth processes such as earthquakes, volcanism, and geothermal activity. Auckland, the largest city in New Zealand, sits on an active intraplate basalt volcanic field, and is close to the active Taupo Volcanic Zone, as well as the extinct volcanic field of the Coromandel Peninsula. During its life from 18 to 2 Ma, the Coromandel Volcanic Zone recorded major regional scale, tectonic events related to the changing tectonic plate configuration of New Zealand and the southwest Pacific, notably the opening of the South Fiji Basin and the migration of the Australia-Pacific plate boundary, the creation of the Colville Ridge, the generation of voluminous silicic crustal melts, and the emplacement of significant epithermal gold deposits. Indeed, the Coromandel Volcanic Zone preserves more of the tectonic history of the southwest Pacific than any other landmass. The School of Environment at the University of Auckland currently has funding for a PhD project in structural geology of the epithermal ore deposits in the Coromandel Peninsula, and we are looking for a high quality student who would like to work on challenging topics in a multidisciplinary environment. The ideal applicant will have strong skills in structural geology and GIS. Background in mineralogy, petrology, geochemistry, or geophysics would be beneficial, but is not required.

Additional Information

For more information, please contact Julie Rowland, at j.rowland@auckland.ac.nz

Applications

Students who are interested in applying should send a CV, transcripts, a list of at least 2 referees, description of motivation, and a description of talents, experience, and strengths that are relevant to the research project to Julie Rowland, at j.rowland@auckland.ac.nz

Deadline

The deadline is 6 September 2010, unless filled prior.