

POSTDOCTORAL FELLOWSHIP

Influence of plant stress on methane oxidation in soils

Crown Research Institute Scion is committed to enhancing the environmental and economic transformation of New Zealand, working toward a more sustainable, bio-based future. With more than 60 years of heritage in forestry science, Scion today demonstrates national leadership, world-class innovation and excellence in research and development.

Scion seeks a skilled and enthusiastic scientist to investigate the influence of plant stress on soil methane oxidation. The successful candidate will be working with the Forest Environment team and you must have a PhD and research experience in assessing the composition of the soil atmosphere and the dynamics of multiple gases. Preference will be given to candidates who have demonstrated experience working with ethylene and methane in the soil environment.

These analytical skills combined with your experience in isolating microbial species based on enzymatic capability will be used to investigate a novel pathway by which soil microbes in the rhizosphere may determine methane oxidation rates in soil. Experience in working with genetically modified plants would also be a valuable asset for this project.

You will have an excellent track record of successful research with publications in international journals. This is a full-time position, available as a fixed-term two year contract.

Based in Christchurch, you will work closely with a team of highly committed scientists and technical staff as well as with their colleagues in Rotorua. You will be encouraged to develop close collaborations with researchers at other Crown Research Institutes and at Canterbury and Lincoln Universities.

Scion is home to creative science minds and a vibrant culture. All 320 people who work at Scion pursue innovation and excellence, providing leadership in science and technology, and support services. Scion is proud to offer talented and motivated individuals the unique opportunity to pursue a fulfilling professional career. To assist the successful applicant in developing career science skills, Scion offers a variety of training such as science writing and presentation courses.

Closing date: 16 January 2012

All applications must be lodged through our website www.scionresearch.com where you will find a position description and online application form.

For further information please contact Human Resources Ph: +64 (07) 343 5874.