

Postdoctoral Research Fellow

JCU aims to create a brighter future for life in the tropics world-wide through graduates and discoveries that make a difference.

- Full time, fixed term opportunity to 31 December 2024
 - Based in tropical North Queensland, Cairns
- Academic Level A, Step 50 \$82,357 p.a. plus 17% super



Be part of an influential team who is supporting the development of new treatments for Type 2 diabetes.

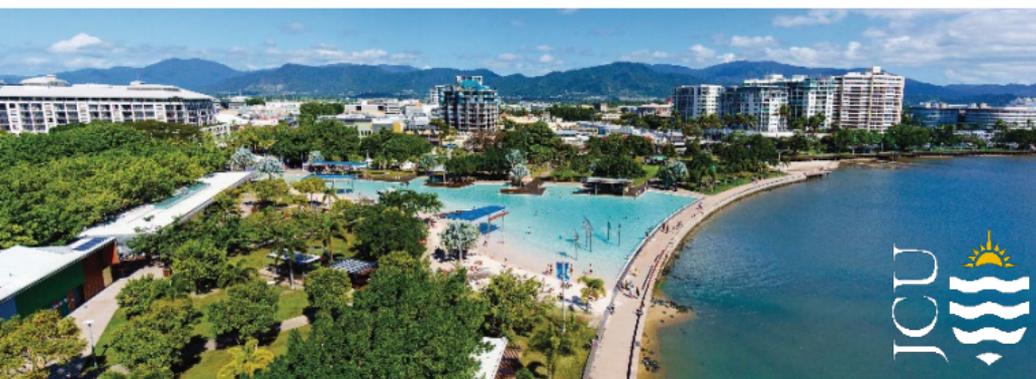
What you can support with accomplishing

The project is looking to develop new treatments for Type 2 diabetes from the protein secretions of parasitic worms. Clinical trials have already explored if parasitic worms, such as hookworms, can protect infected humans from developing Type 2 diabetes by targeting inflammation - a major contributing factor to some metabolic conditions, like Type 2 diabetes.

This project targets these proteins and replicates them in the lab using pharmaceutical industry standards. You will perform research and in vitro screening experiments using human or mouse immune cells to test for hookworm-derived proteins that promote specific cytokine responses as well as using mice to test for hookworm-derived proteins that induce particular immune responses that may be beneficial in Type 2 diabetes.

What you can bring to the role

You will bring a completed doctorate degree with a focus on science, biomedical science, and/or disciplines such as immunology, biotechnology, endocrinology or cell biology. It is also essential to have experience working with research projects involving the use of animal models of disease, and downstream analytical techniques such as flow cytometry, qPCR, ELISA or cytometric bead arrays.



Why JCU

Consistently ranked in the top 2% of universities worldwide, JCU is one of the world's leading institutions focusing on the tropics and offers a culturally diverse working environment with opportunities for professional and personal growth. JCU prides itself on being dedicated to teaching, learning and research that is not only high quality, but also delivers practical benefits to the peoples and industries of the region.

We support our people through the provision of:

- generous superannuation scheme with 17% employer contributions
- professional and career development
- five weeks' annual recreation leave
- attractive options for salary packaging

How to Apply

Visit the Careers at JCU website - vacancy reference 17652

