



WORK IN NEW ZEALAND!

Postdoctoral Position in Bioengineering

Diagnostics & Control Research Centre

**Auckland University of Technology
Private Bag 92006
Wellesley Campus
Auckland, New Zealand
<http://www.dcrc.info>**

Job Description

A postdoctoral position is immediately available for a highly-motivated individual with a PhD in biomechanical engineering to work in a team of staff, graduate and undergraduate students.

The team is highly involved in various methods of occlusion identification within the lung as well as the acoustic and vibration response of the respiratory system and tissue. The required expertise includes but is not limited to: Modelling and simulation of lung and lung tissues; Experimental validation using lung simulators and experimental testing on smooth muscles. It is expected that the candidate will have some modelling/numerical computation experience with particular application to human tissues.

The candidate should have a Ph.D. in Engineering or Life Sciences and strong background in respiratory system dynamics. Experience in modelling, optimisation and development of respiratory devices is highly desirable, but not necessary. Excellent work ethic and the ability to interact with a team are required. It is expected that this position will strengthen the performance of this group and contribute to maximising research grants. The position will also help lead research and programme development work at the Diagnostics and Control Research Centre (DCRC).



The Diagnostic and Control Research Centre

The Diagnostics and Control Research Centre was founded in 1998 as a multi-disciplinary research and consultation unit in the Faculty of Science and Engineering at the Auckland University of Technology. The Centre focuses on serving the industrial community within New Zealand in research, consultation and development with particular emphasis on developing and optimising respiratory equipment. The centre also has a very strong research program in biomechanical engineering with application to the vibration and acoustic response of the lungs.

FOR MORE INFORMATION, please contact

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