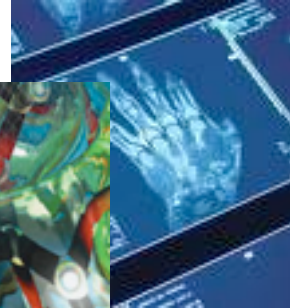
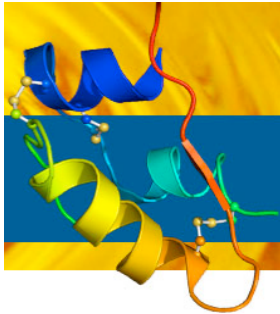




PhD Project

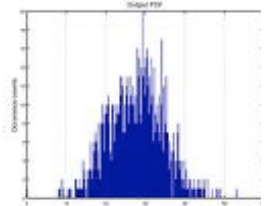


An exciting opportunity has arisen which will develop approaches for analysis of next-generation sequencing data, with a focus on copy number variable (CNV) regions and identification of single base variations as surrogate CNV markers. Statistical approaches for the de novo assembly of sequence from genomic regions with complex rearrangements would also be developed, using both likelihood based frequentist methods, and Bayesian techniques.

This project would involve working closely with both bioinformaticians and biomedical genetics researchers, and includes the possibility of learning skills in laboratory work, if desired. You will be doing this project at New Zealand's top ranked University for Research – the University of Otago, (Dunedin campus) in the Department of Biochemistry,; co supervised by Dr Mik Black and Associate Professor Tony Merriman. (<http://www.otago.ac.nz/genetics/staff/black.html> , <http://www.otago.ac.nz/genetics/staff/merriman.html>)



A living allowance of \$25,000 pa (paid in monthly instalments) and payment of tuition fees will be offered to the successful candidate upon approval of admission to the University of Otago PhD Programme and completion of the enrolment procedure. The stipend is provided through the Foundation of Research Science and Technology (FRST) within the NZ-wide Virtual Institute of Statistical Genetics. The tenure of the Stipend by a PhD student is for three years, or until the thesis is submitted (whichever period is the shorter), subject to the provision of satisfactory Annual PhD Progress Reports.



This project would suit someone with a strong undergraduate background in statistics and/or bioinformatics, although people with other suitable backgrounds are encouraged to apply. You should have an interest in biomedical research, be highly motivated and able to work as part of a team. This project is open to Domestic and International Students (who fit the University of Otago prerequisites for Postgraduate admission).

Please send a covering letter, CV (including three referee's contact details (two academic)) and supporting documents such as your academic transcript by 21st May 2010 to: Dr Mik Black

Biochemistry Department, University of Otago, PO Box 56, DUNEDIN 9054
or email this information to:- mik.black@otago.ac.nz



For further information please contact: mik.black@otago.ac.nz or tony.merriman@otago.ac.nz.