



Ph.D. Scholarship

Chemistry Department

Otago University, New Zealand

Switchable and/or catalytically active molecules

A Ph.D. Scholarship funded by the MacDiarmid Institute is available to an excellent candidate. Our interests are in metal complexes which can switch between two or more states (e.g. *JACS* **2014**, 878) and/or are catalytically active (in progress). In exploiting our initial breakthroughs, the successful candidate will join an experienced team and develop their skills in a range of areas, from multi-step organic and inorganic synthesis, to structure determination plus a wide range of appropriate characterisation techniques. For complexes showing appropriate function, ligands bearing a suitable linker 'out the back' will be designed and prepared, so that attempts to immobilise the functional complex onto a range of solid supports can also be undertaken, in collaboration with the groups of Dr Meledandri/Prof Travas-Sejdic/Prof Downard.

The successful candidate will have a B.Sc. Honours or M.Sc. degree or equivalent in chemistry. [Applications from international, as well as domestic, students are welcomed \(N.B. no fees distinction is currently made between domestic and international students at PhD level\).](#) Experience and interest in organic synthesis, and preferably also in coordination chemistry, would be an asset. The tenure of the scholarship is for three years. Start date: preferably in 2015 or very early in 2016, but negotiable.

Students who are interested in joining "Brookers Bunch" should contact me (preferably by email, with a full CV plus course transcripts attached) ASAP:

Prof. Sally Brooker, Chemistry Department, University of Otago, P.O. Box 56, Dunedin, New Zealand.

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<http://neon.otago.ac.nz/research/sab/sab-res.htm>