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:

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