

## **Position Available: Post-doctoral Research Scientist**

### **Job Description**

The Advanced MRI Methods Group at the Florey Institute of Neuroscience and Mental Health (The Florey; [www.florey.edu.au](http://www.florey.edu.au)) is internationally recognised for the development and implementation of advanced diffusion and perfusion MRI techniques, with the advantage that this work is taking place within a world-class clinical neuroscience research environment. The MRI group has developed the widely used MRtrix diffusion software. The Florey is an independent research institute that is affiliated to the University of Melbourne, and contains some of the major neuroscience research groups in Australia (and indeed the world).

The Post-Doctoral MR position will be for a 3 year period initially; the successful candidate will undertake the development and implementation of novel MR acquisition and/or processing and display techniques in diffusion MRI fibre-tracking. The development work will be performed on the Institute's two 3T Siemens research scanners. Furthermore, there will be access to a new 7T Siemens scanner expected to be operational in early 2014 on the University of Melbourne Campus.

The MRI Methods Group has active collaborations with both basic and clinical neuroscience research groups, and our development work has the ultimate goal of applicability to problems in the relevant fields.

### **Requirements for applicants**

A doctorate in MR physics or equivalent, and experience in MRI technical development in diffusion MRI methods are essential. Previous experience in MR pulse sequence programming is highly desirable.

For further information please email [mrtrix@brain.org.au](mailto:mrtrix@brain.org.au)