

Potential Supervisors

[Professor Mark Jenkinson](#)

Professor of Neuroimaging, Wellcome Centre for Integrative Neuroimaging, FMRIB, Nuffield Department of Clinical Neurosciences



Prof. Mark Jenkinson was born in Adelaide, Australia where he obtained first class Honours degrees in Electrical and Electronic Engineering, as well as Mathematical Physics. His doctoral work was done in the University of Oxford in the area of Computer Vision. After this he moved into medical imaging and joined the FMRIB centre where his research has concentrated on developing methodology for the analysis of structural MRI, structural-functional relationships, and correction of MR artefacts. Prof. Jenkinson is also co-founder and principal developer of the FSL software package (see below). In 2014, 2015 and 2016 he was included in Thomson Reuter's list of *Highly Cited Researchers*. He is currently Head of the Structural Image Analysis Group in the Wellcome centre for Integrative Neuroimaging (WIN), at FMRIB, Nuffield Department of Clinical Neurosciences.

Software Tools Developed

FSL – FMRIB Software Library, is the world's most widely used software package for the analysis of structural, functional and diffusion MRI neuroimaging data. It was developed by academics in the FMRIB Analysis Group, University of Oxford, and was initially released in June 2000. In the last year alone (2017) it was downloaded over 25,000 times, from users in 150 different countries at over 2,000 different institutions. The three main papers describing the methods have, jointly, been cited over 10,000 times, and this is the largest commercial software licensing project run by the university's technology transfer arm, Oxford University Innovations (OUI). FSL is available for free for non-commercial purposes, and this includes access to the source code. It has been used in clinical trials and many large and small enterprises, from contract research organisations to large pharmaceutical companies, purchase licenses for use through OUI.

Involvement of DTC Students

FSL has had contributions from many individuals since its inception and this includes many DTC students. In particular, the following have made notable contributions:

- [Courtney Bishop](#)
- [Adrian Groves](#)
- [Samuel Harrison](#)
- [Vaanathi Sundaresan](#)