Acknowledgments

First of all, I am especially grateful to my supervisor, Karl Friston, for his constant support, guidance and encouragement. Karl’s work provided a good foundation from which many of the ideas included in this thesis were derived from. I think that he and Richard Frackowiak should also be thanked for twisting my arm and persuading me to undertake a part-time PhD in the first place.

I also owe a great deal of gratitude to a number of other friends and colleagues at the Wellcome Department of Cognitive Neurology – both past and present. Those especially deserving of a mention include Andrew Holmes, Chloe Hutton, Christophe Phillips, Jean-Baptiste Poline, Jesper Andersson, Oliver Josephs, Ralf Deichman, and Stefan Kiebel. I have learned a great deal from all of them – and from their books that I was constantly borrowing.

Other WDCN members have also been immensely helpful by allowing me to use some of their data – either knowingly or unknowingly. Catriona Good, Eleanor Maguire and Ingrid Johnerude have donated particularly large numbers of images.

Thanks are also in order for a number of people outside the WDCN. Our neighbours, Nick Fox and Bill Crumb, of the Dementia Research Group have provided some especially useful serial images. I also owe thanks to Hava Lester who taught me a great deal, both from conversation and from the large number of important references for warping methods that she sent me.

Further afield, Keith Worsley has provided much more of an input to this thesis than he probably realises. I would also like to thank all the other people at McGill who made me feel so welcome during my three month period at Montréal Neurological Institute a few years ago.

This research was supported by the Wellcome Trust. Finally, I have to thank Steve, Suren, Isabelle and Ann Marie – mostly for their support and encouragement – but also because they want a mention in this thesis.