



Summer Studentship Project 2019-2020

Project Four

Title of project: Can we predict a phenotype for schizotypy using MRI

Supervisors: A/Prof Bruce Russell, Dr Richard Linscott

Project description:

This research requires MR imaging of year 13 high school students who have reported psychosis experiences (confirmed by interview with a clinical psychologist). MRI sequences will be run to determine grey matter volume changes (MPRage sequence, differences in white matter integrity (Diffusion weighted imaging), ¹H MR spectroscopy to measure Glu/GLx levels in the ventromedial prefrontal cortex and functional MRI to observe changes in resting-state networks. Student(s) will facilitate patient imaging and undertake analysis of either MPRage or DTI data OR MRS and fMRI sequences.