

Translational studies in the neuroscience of eating disorders

Supervisor: Prof Rebecca Park

My research group, OxBread explores the neural and psychological processes underpinning eating disorders in order to derive targets for treatment development. We use multimodal imaging, experimental psychology and behavioural experiments to inform the development of novel interventions. We are particularly interested in investigating neuromodulation and new psychobiological agents as strategies to aid recovery. For example, we are using Deep brain Stimulation as an experimental treatment for severe anorexia nervosa, and investigated the ethical aspects of this experimental approach. We try to understand how novel treatments may work, using neuroimaging, experimental psychology and qualitative interviews to better understand individual experience. We have active collaborations with expert colleagues in Neurosurgery, Wellcome Centres for Ethics and Humanities, and OHBA- Wellcome Centre for Integrative Neuroimaging – so allowing us to consider a range of projects.

Please get in contact with Rebecca if you would like to discuss a potential project in this area