



My name is James Ainge and I am a Senior Lecturer and Director of Research in the School of Psychology & Neuroscience at the University of St Andrews. I am interested in the neural and psychological processes underlying episodic and spatial memory. I approach this from a systems neuroscience perspective using molecular and genetic tools in combination with *in vivo* electrophysiology and behaviour to both record and manipulate the medial temporal lobe memory system. Specific recent projects have examined the role of lateral entorhinal cortex (LEC) and its interactions with

the hippocampus. We have shown functional heterogeneity within this LEC-hippocampal network, giving an insight into the part of the network that first degrades in Alzheimer's disease. My work has been published in leading journals in the field including Science, Nature Communications, Neuron, Current Biology and Journal of Neuroscience. I have spent over 20 years in the field I have worked in the UK (Edinburgh, Stirling & St Andrews) and Europe (NTNU, Trondheim). My work is funded by the UK research councils (BBSRC) and charities such as the Wellcome Trust, Alzheimer's Research UK, and the Carnegie Trust. I am an active member of FENS, through the British Neuroscience Association (BNA), and EBBS and take an active role in chairing and participating in symposia across European neuroscience meetings. I am also Senior Editor of Brain and Neuroscience Advances, the BNA open access journal. I am keen to support EBBS and contribute to maintaining its position as one of the leading European neuroscience societies.