



Dorothy Tse is a senior lecturer at Department of Psychology, Edge Hill University. She is also affiliated with Centre for Discovery Brain Sciences, Edinburgh Neuroscience, University of Edinburgh. Her scientific interest is in understanding the neurobiology of learning and memory, in particular how different factors affect episodic, semantic and spatial memory. After her PhD in 2011, she continued her postdoctoral research in understanding how prior knowledge (schema) affects learning (Science 2007, 2011) in Professor Richard Morris's group. Her research approach combines state of the art techniques, ranging from animal behaviour to calcium imaging, optogenetics and pharmacological manipulations. She is interested in both animal and human studies and is establishing her own learning and memory group this year.

Dorothy has been an EBBS member since her PhD. The EBBS community and symposiums have inspired her. She thinks it is time for her to contribute back to the EBBS community. Her belief is to lead, inspire and share. She was one of the co-chairs and speakers in the recent BNA symposium that was convened and supported by the EBBS. In addition, she values the importance of knowledge exchange and outreach activities. She leads and contributes effectively to a range of activities to promote neuroscience to the public. For example, she is the executive committee member of British Brain Bee and the director of Edinburgh Brain Bee. She would like to become an EBBS committee member to continue to promote brain behavioural research and EBBS activities. In addition, she hopes to facilitate more scientific interaction and communication between senior scientists with early-stage researchers in the field.

Representative publications:

Alonso A, van der Meij J., **Tse D**, Genzel L. (2020) Naive to expert: Considering the role of previous knowledge in memory. *British Neuroscience Advances*.

Broadbent N, Lumeij L, Corcoles M, Ayres AI, Ibrahim Z, Masatsugu B, Moreno A, Carames JM, Begg E, Strickland L, Mazidzoglou T, Padanyi A, Munoz M, Takeuchi T, Peter M, Morris RGM and **Tse D** (2020). A stable home-base promotes allocentric memory representations of episodic-like everyday spatial memory. *EJN*. ejn.14681

**Tse D**, Takeuchi T, Kakeyama M, Kajii Y, Okuno H, Tohyama C, Bito H and Morris RGM (2011) Schema Dependent gene activation and Memory Encoding in Neocortex. *Science*. 333: 891-895

**Tse D**, Langston R F, Kakeyama M, Bethus I, Spooner P A, Wood E R, Witter M P and Morris R G M (2007) Schemas and memory consolidation. *Science*, 316, 76-82