Dr Brianna Vandrey, Postdoctoral Research Fellow
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I am a postdoctoral researcher at the University of Edinburgh, UK. I am interested in how the brain forms episodic memories. Specifically, my research distinguishes circuits that integrate non-spatial ('what') and spatial ('where') information using a combination of electrophysiology, optogenetics, and behaviour in rats and mice. I completed my undergraduate in Psychology at the University of St Andrews, UK (2009-2013), followed by an MSc in Cognitive Neuroscience at Durham University, UK (2013-2014). I returned to the University of St Andrews to undertake a PhD in Neuroscience (2014-2018) and subsequently accepted a position as a postdoctoral researcher at the University of Edinburgh. Outside of research, I am enthusiastic about ECR representation and keen to work with EBBS to represent their ECR members. I am an active member of my local postdoctoral society (George Square Postdoctoral Society) and a member of a Research Staff Committee that supports ECRs across the Centre for Medicine and Veterinary Medicine. I am also a representative for the University of Edinburgh in a national working group that organised virtual events for Postdoc Appreciation Week in 2020, and has now rebranded as 'Postdoc Futures', a group dedicated to improving research culture for ECRs in the UK.

Publications

Vandrey, B., Duncan, S., & Ainge, J.A. (2021). Object and object-memory representations across the proximodistal axis of CA1. Hippocampus. *In press.*

Gerlei, K., Passlack, J., Hawes, I., Vandrey, B**.,** Stevens, H., Papastathopoulos, I., & Nolan, M.F. (2020). Grid cells are modulated by local head direction. Nature Communications. *11*, 4228.

Vandrey, B., Garden, D.L.F., Ambrozova, V., McClure, C., Nolan, M.F., & Ainge, J.A. (2020). Fan cells in layer 2 of the lateral entorhinal cortex are critical for episodic-like memory. Current Biology. *30*, 169–175.