Employment

Research Associate
Research Only
Division of Diabetes, Endocrinology & Gastroenterology (L5)
The University of Manchester
16 Dec 2019 → present

Research Associate
Research Only
Division of Diabetes, Endocrinology & Gastroenterology (L5)
The University of Manchester
1 May 2019 → 15 Dec 2019

Research Associate
Research Only
Division of Neuroscience & Experimental Psychology (L5)
The University of Manchester
26 Sep 2016 → 30 Apr 2019

Doctor of Philosophy, PhD Neuroscience 3.5yr (NEP)
Division of Neuroscience & Experimental Psychology
The University of Manchester
12 Sep 2012 → 1 Feb 2017

Research outputs

Extensive cone-dependent spectral-opponency within a discrete zone of the lateral geniculate nucleus supporting mouse colour vision
Mouland, J., Pienaar, A., Williams, C., Watson, A., Lucas, R. & Brown, T., 13 May 2021, In: Current biology .

Modulations in irradiance directed at melanopsin, but not cone photoreceptors, reliably alter electrophysiological activity in the suprachiasmatic nucleus and circadian behaviour in mice
Mouland, J., Brown, T., Martial, F. & Lucas, R., 27 Apr 2021, In: Journal of Pineal Research. 70, 4, e12735.
DOI: 10.1111/jpi.12735

The spectral sensitivity of cone vision in the diurnal murid, Rhabdomys pumilio
Allen, A., Mouland, J., Rodgers, J., Bano Otalora, B., Douglas, R., Vulgar, A. A., Brown, T. & Lucas, R., 20 Apr 2020, (Accepted/In press) In: The Journal of Experimental Biology.

Cones support alignment to an inconsistent world by suppressing mouse circadian responses to the blue colours associated with twilight
Mouland, J., Martial, F., Watson, A. R., Lucas, R. & Brown, T., 16 Dec 2019, In: Current biology . 29, 24, p. 4260-4267.E4
DOI: 10.1016/j.cub.2019.10.028

Multiplexing Visual Signals in the Suprachiasmatic Nuclei
Stinchcombe, A. R., Mouland, J., Wong, K. Y., Lucas, R. J. & Forger, D. B., 7 Nov 2017, In: Cell Reports. 21, 6, p. 1418-1425 8 p.
DOI: 10.1016/j.celrep.2017.10.045

Responses to spatial contrast in the mouse suprachiasmatic nuclei (SCN)
Mouland, J., Stinchcombe, A. R., Forger, D. B., Brown, T. & Lucas, R., 18 May 2017, In: Current Biology. 27, 11, p. 1633-1640
DOI: 10.1016/j.cub.2017.04.039

Colour as a signal for entraining the Mammalian circadian clock.
Walmsley, L., Hanna, L., Mouland, J., Martial, F., West, A., Smedley, A. R., Bechtold, D. A., Webb, A. R., Lucas, R. J. & Brown, T. M., 17 Apr 2015, In: PLoS Biology. 13, 4, p. 0 e1002127.
DOI: 10.1371/journal.pbio.1002127