

Stanford



Ryan Hamnett

Postdoctoral Research Fellow, Neurosurgery

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Cambridge (2017)
- Master of Science, University of Bristol (2013)
- Bachelor of Science, University Of Birmingham (2012)

Publications

PUBLICATIONS

- **The cell-autonomous clock of VIP receptor VPAC2 cells regulates period and coherence of circadian behaviour.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
Hamnett, R., Chesham, J. E., Maywood, E. S., Hastings, M. H.
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- **The VIP-VPAC2 neuropeptidergic axis is a cellular pacemaking hub of the suprachiasmatic nucleus circadian circuit.** *Nature communications*
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- **Insulin/IGF-1 Drives PERIOD Synthesis to Entrain Circadian Rhythms with Feeding Time** *CELL*
Crosby, P., Hamnett, R., Putker, M., Hoyle, N. P., Reed, M., Karam, C. J., Maywood, E. S., Stangherlin, A., Chesham, J. E., Hayter, E. A., Rosenbrier-Ribeiro, L., Newham, P., Clevers, et al
2019; 177 (4): 896+
- **Chandelier Cells Swipe Right for LICAM.** *Neuron*
Hamnett, R., Kaltschmidt, J. A.
2019; 102 (2): 267–70
- **Vasoactive intestinal peptide controls the suprachiasmatic circadian clock network via ERK1/2 and DUSP4 signalling.** *Nature communications*
Hamnett, R., Crosby, P., Chesham, J. E., Hastings, M. H.
2019; 10 (1): 542
- **Temporally chimeric mice reveal flexibility of circadian period-setting in the suprachiasmatic nucleus** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Smyllie, N. J., Chesham, J. E., Hamnett, R., Maywood, E. S., Hastings, M. H.
2016; 113 (13): 3657–62