

Research Publications

- Sensory computations in the cuneate nucleus of macaques** 2021
Proceedings of the National Academy of Sciences,
<https://doi.org/10.1073/pnas.2115772118>
Aneesha K. Suresh, Charles M. Greenspon, Qipu He, Joshua M. Rosenow, Lee E. Miller, Sliman J. Bensmaia
- Microstimulation of human somatosensory cortex evokes task-dependent, spatially patterned responses in motor cortex** 2023
Nature Communications, <https://doi.org/10.1038/s41467-023-43140-2>
Natalya D. Shelchkova, John E. Downey, Charles M. Greenspon, Elizaveta V. Okorokova, Anton R. Sobinov, Ceci Verbaarschot, Qipu He, Caleb Sponheim, Ariana F. Tortolani, Dalton D. Moore, Matthew T. Kaufman, Ray C. Lee, David Satzer, Jorge Gonzalez-Martinez, Peter C. Warnke, Lee E. Miller, Michael L. Boninger, Robert A. Gaunt, Jennifer L. Collinger, Nicholas G. Hatsopoulos, Sliman J. Bensmaia
- Manganese-enhanced magnetic resonance imaging depicts brain activity in models of acute and chronic pain: A new window to study experimental spontaneous pain?** 2017
NeuroImage, <http://dx.doi.org/10.1016/j.neuroimage.2017.06.034>
I.M. Devonshire, J.J. Burston, L. Xu, A. Lillywhite, M.J. Prior, D.J.G. Watson, C.M. Greenspon, S.J. Iwabuchi, D.P. Auer, V. Chapman
- Developmental alterations in noxious-evoked EEG activity recorded from rat primary somatosensory cortex** 2015
Neuroscience, <http://dx.doi.org/10.1016/j.neuroscience.2015.08.004>
I.M. Devonshire, C.M. Greenspon, G.J. Hathway
- Age-dependent plasticity in endocannabinoid modulation of pain processing through postnatal development** 2017
Pain, <http://dx.doi.org/10.1097/j.pain.0000000000001027>
Charlie H-T. Kwok, Ian M. Devonshire, Amer Imraish, Charles M. Greenspon, Stevie Lockwood, Catherine Fielden, Andrew Cooper, Stephen Woodhams, Sarir Sarmad, Catherine A. Ortori, David A. Barrett, David Kendall, Andrew J. Bennett, Victoria Chapman, Gareth J. Hathway
- Cancer Chemotherapy in Early Life Significantly Alters the Maturation of Pain Processing** 2018
Neuroscience, <http://dx.doi.org/10.1016/j.neuroscience.2017.11.032>
G.J. Hathway, Emily Murphy, Joseph Lloyd, Charles Greenspon, R.P. Hulse
- Lamina-specific population encoding of cutaneous signals in the spinal dorsal horn using multi-electrode arrays** 2019
The Journal of Physiology, <https://doi.org/10.1113/JP277036>
Charles M. Greenspon, Emma E. Battell, Ian M. Devonshire, Lucy F. Donaldson, Victoria Chapman, Gareth J. Hathway

Effect of scanning speed on texture-elicited vibrations

2020

Journal of The Royal Society Interface, <https://doi.org/10.1098/rsif.2019.0892>

Charles M. Greenspon, Kristine R. McLellan, Justin D. Lieber, Sliman J. Bensmaia

Chronic Use of a Sensitized Bionic Hand Does Not Remap the Sense of Touch

2020

Cell Reports, <https://doi.org/10.1016/j.celrep.2020.108539>

Max Ortiz-Catalan, Enzo Mastinu, Charles M. Greenspon, Sliman J. Bensmaia