

Christine Law

Physical Science Research Scientist, Anesthesia

Publications

PUBLICATIONS

- **Mindfulness-Based Stress Reduction, Cognitive Behavioral Therapy, and Acupuncture in Chronic Low Back Pain: Protocol for Two Linked Randomized Controlled Trials.** *JMIR research protocols*
Mackey, S., Gilam, G., Darnall, B., Goldin, P., Kong, J., Law, C., Heirich, M., Karayannis, N., Kao, M., Tian, L., Manber, R., Gross, J.
2022; 11 (9): e37823
- **Response to Scholkmann Commentary: "Effect of Wearing a Face Mask on fMRI BOLD Contrast".** *NeuroImage*
Law, C. S., Lan, P. S., Glover, G. H.
2021: 118773
- **Prediction of Cognitive Function with Multimodal Brain MRI**
Weber, K., Wager, T. D., Rosen, A., Ashar, Y. K., Law, C. S., Gilam, G., Upadhyayula, P. A., Zhu, S., Banerjee, S., Glover, G. H., Hastie, T. J., Mackey, S.
WILEY.2021: S42
- **Author Correction: Open-access quantitative MRI data of the spinal cord and reproducibility across participants, sites and manufacturers.** *Scientific data*
Cohen-Adad, J., Alonso-Ortiz, E., Abramovic, M., Arneitz, C., Atcheson, N., Barlow, L., Barry, R. L., Barth, M., Battiston, M., Buchel, C., Budde, M., Callot, V., Combes, et al
2021; 8 (1): 242
- **THE TEMPORAL RELATIONSHIP BETWEEN NEGATIVE AFFECT AND SLEEP BRUXISM IN PATIENTS WITH CHRONIC BACK PAIN**
Hettie, G., You, D. S., Ziadni, M., Kong, J., Law, C., Gross, J., Manber, R., Darnall, B. D., Mackey, S.
OXFORD UNIV PRESS INC.2021: S478
- **Effect of Wearing a Face Mask on fMRI BOLD Contrast.** *NeuroImage*
Law, C. S., Lan, P. S., Glover, G. H.
2021: 117752
- **Association between temporal summation and conditioned pain modulation in chronic low back pain: baseline results from 2 clinical trials.** *Pain reports*
Kong, J. T., You, D. S., Law, C. S., Darnall, B. D., Gross, J. J., Manber, R., Mackey, S.
2021; 6 (4): e975
- **Quantification of cerebral blood volume changes caused by visual stimulation at 3 T using DANTE-prepared dual-echo EPI.** *Magnetic resonance in medicine*
Li, L., Law, C., Marrett, S., Chai, Y., Huber, L., Jezzard, P., Bandettini, P.
2021
- **Generic acquisition protocol for quantitative MRI of the spinal cord.** *Nature protocols*
Cohen-Adad, J., Alonso-Ortiz, E., Abramovic, M., Arneitz, C., Atcheson, N., Barlow, L., Barry, R. L., Barth, M., Battiston, M., Büchel, C., Budde, M., Callot, V., Combes, et al
2021
- **Open-access quantitative MRI data of the spinal cord and reproducibility across participants, sites and manufacturers.** *Scientific data*
Cohen-Adad, J., Alonso-Ortiz, E., Abramovic, M., Arneitz, C., Atcheson, N., Barlow, L., Barry, R. L., Barth, M., Battiston, M., Büchel, C., Budde, M., Callot, V., Combes, et al
2021; 8 (1): 219
- **Author Correction: Open-access quantitative MRI data of the spinal cord and reproducibility across participants, sites and manufacturers.** *Scientific data*

Cohen-Adad, J., Alonso-Ortiz, E., Abramovic, M., Arneitz, C., Atcheson, N., Barlow, L., Barry, R. L., Barth, M., Battiston, M., Büchel, C., Budde, M., Callot, V., Combes, et al
2021; 8 (1): 251

● **Brain Strength: Multi-Modal Brain MRI Predicts Grip Strength**

Weber, K. A., Wager, T. D., Upadhyayula, P. A., Law, C. S., Ashar, Y. K., Prabhakar, N. K., Zhu, S., Gilam, G., Banerjee, S., Delp, S. L., Glover, G. H., Hastie, T. J., Mackey, et al
WILEY.2020: S223–S224

● **Assessing the Spatial Distribution of Cervical Spinal Cord Activity during Tactile Stimulation of the Upper Extremity in Humans with Functional Magnetic Resonance Imaging.** *NeuroImage*

Weber, K. A., Chen, Y., Paliwal, M., Law, C. S., Hopkins, B. S., Mackey, S., Dhaher, Y., Parrish, T. B., Smith, Z. A.
2020: 116905

● **Resting State Functional Connectivity Machine Learning Classification of Chronic Back Pain**

Weber, K. A., Law, C. S., Asher, Y. K., Martucci, K. T., Gilam, G., Lewis, B., Narayan, S., Hastie, T., Wager, T. D., Mackey, S.
WILEY.2019: S266

● **Dynamic per slice shimming for simultaneous brain and spinal cord fMRI** *MAGNETIC RESONANCE IN MEDICINE*

Islam, H., Law, C. W., Weber, K. A., Mackey, S. C., Glover, G. H.
2019; 81 (2): 825–38

● **Central mechanisms of real and sham electroacupuncture in the treatment of chronic low back pain: study protocol for a randomized, placebo-controlled clinical trial.** *Trials*

Kong, J., MacIsaac, B., Cogan, R., Ng, A., Law, C. S., Helms, J., Schnyer, R., Karayannis, N. V., Kao, M., Tian, L., Darnall, B. D., Gross, J. J., Mackey, et al
2018; 19 (1): 685

● **Central mechanisms of real and sham electroacupuncture in the treatment of chronic low back pain: study protocol for a randomized, placebo-controlled clinical trial** *TRIALS*

Kong, J., MacIsaac, B., Cogan, R., Ng, A., Law, C., Helms, J., Schnyer, R., Karayannis, N., Kao, M., Tian, L., Darnall, B. D., Gross, J. J., Mackey, et al
2018; 19

● **Technical note: can resting state functional MRI assist in routine clinical diagnosis?** *BJR case reports*

Harman, P., Law, C., Pardhan, S., Lin, Z. H., Johnson, M., Walter, S., Fassbender, K., Aspinall, R., Grunwald, I. Q.
2018; 4 (4): 20180030

● **Dynamic per slice Shimming for Simultaneous Brain and Spinal Cord fMRI.** *Magnetic resonance in medicine*

Islam, H., Law, C. S., Weber, K. A., Mackey, S. C., Glover, G. H.
2018

● **Technical note: can resting state functional MRI assist in routine clinical diagnosis?** *BJR CASE REPORTS*

Harman, P., Law, C., Pardhan, S., Lin, Z., Johnson, M., Walter, S., Fassbender, K., Aspinall, R., Grunwald, I. Q.
2018; 4 (4)

● **Interleaved Spiral-In/Out With Application to Functional MRI (fMRI)** *MAGNETIC RESONANCE IN MEDICINE*

Law, C. S., Glover, G. H.
2009; 62 (3): 829-834

● **Sliding-Window Sensitivity Encoding (SENSE) Calibration for Reducing Noise in Functional MRI (fMRI)** *MAGNETIC RESONANCE IN MEDICINE*

Law, C. S., Liu, C., Glover, G. H.
2008; 60 (5): 1090-1103

● **Spiral-in/out BOLD fMRI for increased SNR and reduced susceptibility artifacts** *MAGNETIC RESONANCE IN MEDICINE*

Glover, G. H., Law, C. S.
2001; 46 (3): 515-522

PRESENTATIONS

- Simultaneous Spinal Cord-Brain fMRI Preprocessing Pipeline