



## Dario Pfyffer

Postdoctoral Scholar, Anesthesiology, Perioperative and Pain Medicine

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### Bio

#### STANFORD ADVISORS

- Sean Mackey, Postdoctoral Faculty Sponsor

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### Publications

#### PUBLICATIONS

- **Spatial distribution of spinal cord fMRI activity with electrocutaneous stimulation.** *medRxiv : the preprint server for health sciences*  
Bédard, S., Kaptan, M., Indriolo, T., Law, C. S., Pfyffer, D., Lee, L., Ratliff, J., Hu, S., Tharin, S., Smith, Z. A., Glover, G. H., Mackey, S., Cohen-Adad, et al  
2026
- **Cold Pressor Test During Functional Magnetic Resonance Imaging Identifies Neural Correlates of Aberrant Conditioned Pain Modulation in Fibromyalgia**  
Pfyffer, D., Kaptan, M., Indriolo, T., Li, K., Glover, G., Law, C., Mackey, S.  
CHURCHILL LIVINGSTONE.2026
- **Mechanical Pressure Pain Elicits Strong Onset Responses in Brain and Spinal Cord**  
Law, C. S. W., Pfyffer, D., Kaptan, M., Wang, Y., Weber, K., Glover, G., Mackey, S.  
CHURCHILL LIVINGSTONE.2026
- **Differential Encoding of Noxious Heat and Self-Reported Pain Along Corticospinal Networks: A Simultaneous Brain-Spinal Cord Functional Magnetic Resonance Imaging Study**  
Pfyffer, D., Wang, Y., Kaptan, M., Fundaun, J., Dildine, T., Oliva, V., Indriolo, T., Li, K., Glover, G., Law, C., Mackey, S.  
CHURCHILL LIVINGSTONE.2026
- **Presence of midsagittal tissue bridges and walking ability 1-year post spinal cord injury.** *The journal of spinal cord medicine*  
Thornton, W. A., Tefertiller, C., Weber, K. A., Mañago, M., Wiley, L., Connor, J., Stevens-Lapsley, J., Pfyffer, D., Smith, A. C.  
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- **Monitoring morphometric drift in lifelong learning segmentation of the spinal cord.** *Imaging neuroscience (Cambridge, Mass.)*  
Naga Karthik, E., Bédard, S., Valošek, J., Aigner, C. S., Bannier, E., Bednařík, J., Callot, V., Combes, A., Curt, A., David, G., Eippert, F., Farner, L., Fehlings, et al  
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- **Differential encoding of noxious heat and self-reported pain along corticospinal networks: a simultaneous spinal cord-brain fMRI study.** *bioRxiv : the preprint server for biology*  
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- **Automated Segmentation of Forearm Muscles: Clinical Associations With Hand Function, Muscle Volume and Intramuscular Fat.** *JCSM communications*

- Fundaun, J., Oliva, V., Bédard, S., Wesselink, E. O., Lynn, B. P., Pai S, A., Pfyffer, D., Kaptan, M., Berhe, N., Ratliff, J., Hu, S. S., Smith, Z. A., Hastie, et al  
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- **Mapping hand function with simultaneous brain-spinal cord functional MRI.** *Imaging neuroscience (Cambridge, Mass.)*  
Oliva, V., Bédard, S., Kaptan, M., Pfyffer, D., Chy, B., Aufrichtig, S., Berhe, N., Chaudhari, A. S., Tharin, S., Hu, S. S., Ratliff, J., Smith, Z. A., Smith, et al  
2025; 3
  - **EPISeg: Automated segmentation of the spinal cord on echo planar images using open-access multi-center data.** *Imaging neuroscience (Cambridge, Mass.)*  
Banerjee, R., Kaptan, M., Tinnermann, A., Khatibi, A., Dabbagh, A., Büchel, C., Kündig, C. W., Law, C. S., Pfyffer, D., Lythgoe, D. J., Tsivaka, D., Van De Ville, D., Eippert, et al  
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  - **Monitoring morphometric drift in lifelong learning segmentation of the spinal cord.** *ArXiv*  
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2025
  - **Assessing Functional Connectivity Between Brain and Spinal Cord During Thermal Pain**  
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  - **Brain and Spinal Cord Correlates of Deficient Endogenous Pain Modulation in Fibromyalgia Identified by Corticospinal Functional Magnetic Resonance Imaging**  
Pfyffer, D., Kaptan, M., Law, C. S. W., Weber II, K. A., Oliva, V., Bedard, S., Indriolo, T., Maronesy, T., Glover, G. H., Mackey, S.  
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  - **SCISegV2: A Universal Tool for Segmentation of Intramedullary Lesions in Spinal Cord Injury**  
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  - **SCISeg: Automatic Segmentation of Intramedullary Lesions in Spinal Cord Injury on T2-weighted MRI Scans.** *Radiology. Artificial intelligence*  
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2024
- **Exploring Neuronal Underpinnings of Emotional Regulation of Pain in Fibromyalgia Patients**  
Kaptan, M., Pfyffer, D., Law, C. S. W., Oliva, V., Weber, K., Glover, G., Mackey, S.  
CHURCHILL LIVINGSTONE.2024: 47
- **Imaging Corticospinal Correlates of Aberrant Pain Processing and Modulation in Fibromyalgia Using Combined Brain-Spinal Cord Functional Magnetic Resonance Imaging**  
Pfyffer, D., Kaptan, M., Law, C. S. W., Weber, K. A., Oliva, V., Bedard, S., Maronesy, T., Glover, G. H., Mackey, S.  
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