

Stanford



Joel Fundaun

Postdoctoral Scholar, Anesthesiology, Perioperative and Pain Medicine

Bio

PROFESSIONAL EDUCATION

- PhD, University of Oxford , Clinical Neurosciences (2024)
- Residency, Northwestern University-Shirley Ryan AbilityLab , Orthopaedic Physical Therapy (2018)
- DPT, Regis University , Doctor Of Physical Therapy (2017)
- BS, University of Wyoming , Kinesiology & Health Promotion (2013)

STANFORD ADVISORS

- Sean Mackey, Postdoctoral Faculty Sponsor

LINKS

- Google Scholar: <https://scholar.google.com/citations?user=XhbBaxUAAAAJ&hl=en&oi=ao>
- X: <https://x.com/jfundaun>

Research & Scholarship

PROJECTS

- MRI-Derived Neuromuscular Signatures to Predict Surgical Response in Degenerative Cervical Myelopathy - Stanford University

Publications

PUBLICATIONS

- **Effect of Type and Dose of Exercise on Neuropathic Pain After Experimental Sciatic Nerve Injury: A Preclinical Systematic Review and Meta-Analysis.** *The journal of pain*
Matesanz-García, L., Billerot, C., Fundaun, J., Schmid, A. B.
2023; 24 (6): 921-938
- **Does peripheral neuroinflammation predict chronicity following whiplash injury? Protocol for a prospective cohort study.** *BMJ open*
Ridehalgh, C., Fundaun, J., Bremner, S., Cercignani, M., Young, R., Trivedy, C., Novak, A., Greening, J., Schmid, A., Dilley, A.
2022; 12 (12): e066021
- **Types and Concentrations of Blood-Based Biomarkers in Adults With Peripheral Neuropathies: A Systematic Review and Meta-analysis.** *JAMA network open*
Fundaun, J., Kolski, M., Molina-Álvarez, M., Baskozos, G., Schmid, A. B.
2022; 5 (12): e2248593
- **The power of integrating data: advancing pain research using meta-analysis.** *Pain reports*
Fundaun, J., Thomas, E. T., Schmid, A. B., Baskozos, G.

2022; 7 (6): e1038

- **Nerve pathology and neuropathic pain after whiplash injury: a systematic review and meta-analysis.** *Pain*
Fundaun, J., Kolski, M., Baskozos, G., Dilley, A., Sterling, M., Schmid, A. B.
2022; 163 (7): e789-e811
- **[Entrapment neuropathies: a contemporary approach to pathophysiology, clinical assessment, and management : German version].** *Schmerz (Berlin, Germany)*
Schmid, A. B., Fundaun, J., Tampin, B.
2021; 35 (6): 419-433
- **Entrapment neuropathies: a contemporary approach to pathophysiology, clinical assessment, and management.** *Pain reports*
Schmid, A. B., Fundaun, J., Tampin, B.
2020; 5 (4): e829
- **Does Overall Cervical Spine Pathology Relate to the Clinical Heterogeneity of Chronic Whiplash?** *The American journal of emergency medicine*
Elliott, J. M., Parrish, T. B., Walton, D. M., Vassallo, A. J., Fundaun, J., Wasielewski, M., Courtney, D. M.
2020; 38 (5): 869-873
- **Muscle fat infiltration following whiplash: A computed tomography and magnetic resonance imaging comparison.** *PloS one*
Elliott, J. M., Smith, A. C., Hoggarth, M. A., Albin, S. R., Weber, K. A., Haager, M. n., Fundaun, J. n., Wasielewski, M. n., Courtney, D. M., Parrish, T. B.
2020; 15 (6): e0234061
- **The use of a static measure to predict foot posture at midstance during walking.** *Foot (Edinburgh, Scotland)*
McPoil, T. G., Ford, J., Fundaun, J., Gallegos, C., Kinney, A., McMillan, P., Murphy, J., Sky, E., Torba, D., Bade, M.
2016; 28: 47-53