

Stanford



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Publications

PUBLICATIONS

- **Structural insights into the formation of repulsive netrin guidance complexes.** *Science advances*
Priest, J. M., Nichols, E. L., Smock, R. G., Hopkins, J. B., Mendoza, J. L., Meijers, R., Shen, K., Özkan, E.
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- **A Subset of Oligodendrocyte Lineage Cells Interact With the Developing Dorsal Root Entry Zone During Its Genesis** *FRONTIERS IN CELLULAR NEUROSCIENCE*
Green, L. A., Gallant, R. M., Brandt, J. P., Nichols, E. L., Smith, C. J.
2022; 16: 893629
- **Pioneer Axons Utilize a Dcc Signaling-Mediated Invasion Brake to Precisely Complete Their Pathfinding Odyssey** *JOURNAL OF NEUROSCIENCE*
Kikel-Coury, N. L., Green, L. A., Nichols, E. L., Zellmer, A. M., Pai, S., Hedlund, S. A., Marsden, K. C., Smith, C. J.
2021; 41 (31): 6617-6636
- **Functional Regeneration of the Sensory Root via Axonal Invasion** *CELL REPORTS*
Nichols, E. L., Smith, C. J.
2020; 30 (1): 9-+
- **Synaptic-like Vesicles Facilitate Pioneer Axon Invasion.** *Current biology : CB*
Nichols, E. L., Smith, C. J.
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- **Generating intravital super-resolution movies with conventional microscopy reveals actin dynamics that construct pioneer axons** *DEVELOPMENT*
Zhang, Y., Nichols, E. L., Zellmer, A. M., Guldner, I. H., Kankel, C., Zhang, S., Howard, S. S., Smith, C. J.
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- **Pioneer axons employ Cajal's battering ram to enter the spinal cord** *NATURE COMMUNICATIONS*
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- **Ensheathing cells utilize dynamic tiling of neuronal somas in development and injury as early as neuronal differentiation** *NEURAL DEVELOPMENT*
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