Ev Nichols

- Ph.D. Student in Biology, admitted Autumn 2019
- QSR Student Staff, Dean for Community Engagement and Diversity

Publications

PUBLICATIONS

- Structural insights into the formation of repulsive netrin guidance complexes. *Science advances*
  2024; 10 (7): eadj8083

- A Subset of Oligodendrocyte Lineage Cells Interact With the Developing Dorsal Root Entry Zone During Its Genesis *FRONTIERS IN CELLULAR NEUROSCIENCE*
  2022; 16: 893629

- Pioneer Axons Utilize a Dcc Signaling-Mediated Invasion Brake to Precisely Complete Their Pathfinding Odyssey *JOURNAL OF NEUROSCIENCE*
  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.
  2019

- Generating intravitral super-resolution movies with conventional microscopy reveals actin dynamics that construct pioneer axons *DEVELOPMENT*
  2019; 146 (5)

- Pioneer axons employ Cajal's battering ram to enter the spinal cord *NATURE COMMUNICATIONS*
  Nichols, E. L., Smith, C. J.
  2019; 10: 562

- Ensheathing cells utilize dynamic tiling of neuronal somas in development and injury as early as neuronal differentiation *NEURAL DEVELOPMENT*
  Nichols, E. L., Green, L. A., Smith, C. J.
  2018; 13: 19