Nicholas M George
University of Colorado Anschutz Medical Campus
Cell and Developmental Biology
nicholas.m.george@cuanschutz.edu
https://nickgeorge.net

Education

2016- **Ph.D. Neuroscience**
University of Colorado, Anschutz Medical Campus, Aurora, CO
Thesis: "Excitable axonal domains adapt to olfactory sensory experience in adults"
Advisors: Diego Restrepo and Wendy Macklin

2014-2016 **M.S. Anatomy and Neurobiology**
Virginia Commonwealth University, School of Medicine, Richmond, VA
Thesis: "Resolution of Inflammation Rescues Axon Initial Segment Disruption"
Advisor: Jeffrey Dupree

2009-2012 **B.S. Human Nutrition, Foods, and Exercise**
Virginia Tech Blacksburg, VA

Funding

2019-2022 1F31 DC018459-01
NIH/NIDCD
"Investigating axonal and glial adaptations to sensory manipulations in the olfactory system"
Role: PI

2017-2018 TL1 TR001082
Colorado Clinical and Translational Sciences Institute
"Neuronavigation with a fiber-coupled microscope"
Role: Pre-doctoral Fellow

Publications

2018 Gould, E. A., Busquet, N., Shepherd, D., Dietz, R. M., Herson, P. S., de Souza, F. M. S., Li, A., **George, N. M.**, Restrepo, D., and Macklin, W. B. (2018). Mild myelin disruption elicits early alteration in behavior and proliferation in the subventricular zone. *eLife*, 7:e34783.

2017 Benusa, S. D., **George, N. M.**, Sword, B. A., DeVries, G. H., and Dupree, J. L. (2017). Acute neuroinflammation induces AIS structural plasticity in a NOX2-dependent manner. *Journal of Neuroinflammation*, 14(1):116.

Invited Talks

2019 CU Anschutz Neuroscience retreat, Keystone, CO
"Glial and axonal adaptations to sensory deprivation in the olfactory system"
Gordon Research Seminar: Glial Biology, Ventura, CA
"Investigating glial and axonal adaptations to sensory deprivation in the olfactory system"

2018 Translational Science, Distinguished Oral Presentation, Washington, DC
"A novel multiphoton microscopy method for neuronavigation in deep brain stimulation surgery"
Neurosurgery Research Meeting, Aurora, CO,
Characterizing autofluorescence in human STN for deep brain neuronavigation

Poster Presentations

Honors and Awards

2018 Wellcome Fund Trainee Travel Award for Clinical and Translational Research 2018, Washington DC

2016 Visiting Scholar Award for Excellence in the Natural and Computational Sciences. Poster and research summary presented at The William and Mary Graduate Research Symposium, Williamsburg, VA

2015 Poster presentation award at the Virginia Symposium on Brain Immunology and Glia, Richmond VA

Software development

Skills and Experience