The laboratory of Greg Schwartz at Northwestern University’s Feinberg School of Medicine in Chicago is seeking applications for a postdoctoral fellow to work on circuit tracing in the early visual system of mice. Our lab’s core expertise is on visual circuits in the retina, including neuronal biophysics, synaptic connectivity, and computational modeling. Two recent examples can be found here: [1, 2].

We have expanded our work to study the targets of retinal ganglion cells in the brain and their contributions to innate visual behavior. We are seeking a postdoctoral scientist to lead projects in this branch of our work, tracing visual circuits from the retina to the brain and behavior. Discussions about different potential directions will be part of the application process.

A prerequisite for this position is strong technical expertise in stereotactic surgery and optogenetics and/or in vivo electrophysiology or photometry in mice. The ideal candidate will have strong skills in data analysis. Our lab includes individuals from diverse personal and academic backgrounds working together as a highly collaborative team, so excellent communication skills and teamwork are critical. The successful candidate will receive strong mentorship from Dr. Schwartz and his network of colleagues both within and outside Northwestern.

Training and collaboration opportunities within Northwestern include the labs of Yevgenia Kozorovitskiy (anatomical and physiological circuit mapping, imaging, optogenetics/photometry) and Ann Kennedy (machine-learning approaches to behavior and neural activity analysis). Salary is competitive based on experience and is negotiable.

Come work with us on visual circuits while enjoying the quality of life and reasonable cost of living in Chicago!

Applicants should send the following information to greg.schwartz@northwestern.edu:
1. Cover letter
2. CV including all publications
3. Names and contact information for 3 references