Volunteer

The Advanced Imaging Research Laboratory is comprised of a team of ophthalmologists, engineers, software specialists, statisticians, and trainees that focus primarily on glaucoma research. Glaucoma, the second leading cause of blindness worldwide, is a neurodegenerative disease that affects the retina and optic nerve of the eye. There is currently no known cure for glaucoma, and therefore early disease detection is of the utmost importance for vision conservation. Our lab uses a variety of advanced imaging devices, tools, and techniques in order to detect glaucoma as soon as possible, monitor glaucomatous progression, and investigate new theories about the cause and pathogenesis of the disease.

The Advanced Ophthalmic imaging lab is seeking a motivated and dedicated volunteer to contribute to these research endeavors.

The prospective volunteer will be expected to learn and assist with clinical research design and methodology, ocular imaging technology, image processing, medical record screening, interpretation of statistical analysis, basic programming use, and manuscript preparation. The volunteer is expected to be an active participant in several ongoing collaborative projects with lab members consisting of engineers, data scientists, glaucoma specialists, and medical and engineering students. The volunteer will attend weekly lab meetings as well as present project updates or lead journal club discussions.

A minimum of 10 hours of lab work per week is expected, with times at which the volunteer is specifically working on-site or reachable. Depending on study requirements and institution guidelines, a hybrid work schedule may be arranged.

For more information about this non-traditional volunteer research opportunity, please contact Ronald Zambrano at ronald.zambrano@nyulangone.org or (929)-455-5046.