

Position: **STAFF SCIENTIST**
Department: Molecular Ophthalmology Laboratory
Status: Full-Time
Location: Retina Foundation of the Southwest, Dallas, TX
Benefits: Medical, Dental, 401K, PTO Time
Posting Date: May 11, 2020
Deadline: Open Until Filled

We are currently looking to fill a position for a fully funded Staff Scientist in the Molecular Ophthalmology laboratory of Dr. Karl Csaky, located at the Retina Foundation. The Csaky molecular lab studies various aspects of Age-Related Macular Degeneration (AMD). As a translational laboratory, researchers are using molecular, cell biologic, drug delivery approaches, and small animal modeling, to understand and develop therapies for AMD. Current projects focus on understanding the role of small molecule drug delivery, to address the role of mitochondrial stress in AMD pathogenesis. Related publications include:

Kularatne RN et al. Protection of human retinal pigment epithelial cells from oxidative damage using cysteine prodrugs. Free Radic Biol Med. 152:386 (2020).

Catchpole T, et al. A profile of circulating vascular progenitor cells in human neovascular age-related macular degeneration. PLoS One. 2020 15: Feb 27 (2020).

The Csaky laboratory is located in a newly renovated research building designed to include laboratories being adjacent to clinic areas. As such, researchers work closely with the clinical staff to understand the clinical aspects of this disease and tailoring the research efforts to address the clinical issues of AMD. To support this goal the Staff Scientist will also be responsible for advising laboratory staff to support ongoing research utilizing a variety of molecular and cell biologic techniques including cell culture, Western blot, immunocytochemistry, quantitative reverse transcription polymerase chain reaction (qRT-PCR), and gene modification (siRNA) and/or drug delivery approaches including analytical assays and polymer chemistry application.

The successful candidate should hold a PhD, or MD/PhD, and have a strong training in biological sciences and/or polymer chemistry. It is also essential that the candidates have a strong first author publication history. It is essential that the candidate have exceptional written and verbal skills, with an ability to work cohesively in a team environment.

Interested applicants should email their CV, and a 1-page cover letter that include their previous accomplishments, research interests, and career goals, along with names and contact information of three references to, Cindy Baillie at cbaillie@retinafoundation.org.