



## Muneeb A. Faiq

Basic Life Research Scientist, Ophthalmology Research/Clinical Trials

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### Bio

#### BIO

Dr. Muneeb A. Faiq is a behavioral and metabolic neuroscientist and ophthalmology researcher whose work spans molecular biology, neuroimaging, and systems neuroscience. He has made several foundational contributions, including the first functional cloning of CYP1B1 in congenital glaucoma, implicating retinoic-acid signaling in Zika virus–associated microcephaly, identifying central insulin resistance as a mechanistic basis for glaucoma, and providing the first in vivo evidence for a glymphatic pathway in the optic nerve. With more than 100 peer-reviewed publications and over 4,000 citations, Dr. Faiq has earned international recognition, including the Emerging Vision Scientist Award – 2019 from the Alliance for Eye and Vision Research. He is widely regarded as the pioneer and principal architect of the discipline of psychosomatic ophthalmology, a field he helped conceptualize and establish, leading to the integration of ophthalmic clinical practice with mindfulness-based and psychosomatic medicine frameworks. Dr. Faiq is currently advancing the concept of neurometabolic syntax in vision and brain function — a unifying systems-level framework that integrates genetics, metabolism, and behavior to reconceptualize ophthalmic and neurological diseases through a mechanistic and interdisciplinary lens. He has been selected for the prestigious Asia Pacific Academy of Ophthalmology (APAO) Achievement Award 2026.