2024 Knights Templar Eye Foundation, Inc.
Career Starter Grants Approved

Recipients Name	Institution / University	Dept. or Affiliation	City	State	Proposal
Esraa Shosha, PhD	University of Arkansas for Medical Sciences		Little Rock	AR	Endothelial HDAC3 mediates pathological angiogenesis in retinopathy of prematurity.
Mireille Jabroun, MD	Univ. of Arizona, Tucson		Tucson	AZ	Functional imaging of mitochondria in optic disc swelling in children using flavoprotein fluorescence
Arnav Moudgil, MD, PhD	Byers Eye Institute at Stanford		Palo Alto	CA	3D Genome Folding and Gene Regulation of Otx2 in Retinal Development
Azam Qureshi, MD	California Pacific Medical Center Lion's Eye Clinic		San Francisco	CA	Pseudophakic Accommodation in Children
Balasankara R. Kaipa, PhD	Gavin Herbert Eye Institute	Center for Translational Vision Research	Irvine	CA	Lipid Nanoparticle-Mediated Antisense Oligonucleotide Therapy for Juvenile Glaucoma
Sneha Singh, PhD	University of Iowa	Department of Molecular Physiology and Biophysics	Iowa City	IA	Molecular mechanism of PDE6 maturation driven by the Chaperone machinery
David Ramirez, MD	Northwestern University Feinberg School of Medicine		Chicago	IL	The socioeconomic impact on treatment of anisometropic, refractive amblyopia
Konstantin Feinberg, PhD	Indiana University School of Medicine		Indianapolis	IN	Defining the mechanism of NGF activity in cornea: development of new topical therapeutics to Neurotrophic Keratopathy.
Egle Galdikaite-Braziene, PhD	Ocular Genomics Institute, Massachusetts Eye and Ear		Boston	MA	Functional analysis of truncated EYS proteins in a mutant zebrafish model and development of a trans-splicing-based strategy for EYS delivery
Hanmeng Zhang, PhD	Ocular Genomics Institute, Massachusetts Eye and Ear		Boston	MA	Investigating the Role of Oxidative DNA Damage in Early-Onset Photoreceptor Degeneration
Kannan V. Manian, PhD	Ocular Genomics Institute, Massachusetts Eye and Ear		Boston	MA	Pediatric retinal dystrophy caused by defects in the USH2A gene: mechanisms and a potential therapy using base editing
Abhishek Vats, PhD	Wilmer Eye Institute, Johns Hopkins Hospital		Baltimore	MD	Use of Stem Cell Models to Explore the Preferential Sensitivity of RGCs in Leber's Hereditary Optic Neuropathy
Bo Wang, MD, PhD	Wilmer Eye Institute, Johns Hopkins Hospital		Baltimore	MD	Optical Coherence Tomography for the Evaluation of Trabecular Meshwork and Schlemm Canal in Normal and Primary Congenital Glaucoma Eyes
Ying Liu, MD, PhD	Wilmer Eye Institute		Baltimore	MD	Protein transfer from human retinal organoid-derived photoreceptors as a therapy for juvenile ABCA4-related retinopathies
Seoyoung Son, PhD	Wayne State University School of Medicine	Department of Pharmacology	Detroit	MI	Determining the role of cPcdh isoforms in retinal axon morphogenesis and circuit formation
Ammar A. Abdelrahman, PhD	Washington University School of Medicine		St. Louis	MO	Targeting Retinal Glial Efferocytosis as a Novel Intervention Strategy in Retinopathy of Prematurity
Neoklis Makrides, PhD	Columbia University		New York	NY	Heparan Sulfate proteoglycans in the maintenance of retinal ribbon synapse function
Manivannan Subramanian, PhD	University of Dayton		Dayton	OH	Understanding the genetic basis of miRNA-190/PAX-6 regulation involved in Aniridia, a birth defect in eye
Vrathasha Vrathasha, PhD	University of Pennsylvania School of Medicine		Philadelphia	PA	Development of Mitochondrial Transplantation Therapy to Address Inherited Mitochondrial Dysfunction in Childhood-onset of LHON Optic Neurodegenerative Disease
Hafiz Hussain, PhD	Baylor College of Medicine	Department of Molecular and Human Genetics	Houston	TX	DDX41 as a novel candidate gene for inherited retinal diseases (IRDs)
Lars Tebbe, PhD	University of Houston	Department of Biomedical Engineering	Houston	TX	The clinical benefits of modulating ROM1 in switching a PRPH2-associated pattern dystrophy phenotype to retinitis pigmentosa
Remya A. Veettil, PhD	Baylor College of Medicine		Houston	TX	Disease-targeted anti-hScg3 therapy to treat blinding corneal neovascularization and opacity
Rebecca L. Pfeiffer, PhD	University of Utah, John A. Moran Eye Center		Salt Lake City	UT	Spatial transcriptomic profiling of outer limiting membrane and Müller cells in pediatric retinitis pigmentosa
Emily Welby, PhD	Medical College of Wisconsin		Milwaukee	WI	Targeting endogenous cell signaling pathways to enhance Müller glia-mediated synaptogenesis for use in future retinal repair therapies.
Miranda Scalabrino, PhD	Medical College of Wisconsin Eye Institute		Milwaukee	WI	HARNESSING ADAPTIVE MECHANISMS TO IMPROVE VISION IN PHOTORECEPTOR DEGENERATIONS.
Souradip Chatterjee, PhD	West Virginia University		Morgantown	WV	Targeting Protein Glutamylation in Blinding Diseases