

EyeFind Research Grants provide supplemental funding in grants of up to \$5,000 per project to researchers to procure human eye tissue samples from eye banks for use in a well-conceived research project. The applicant must demonstrate financial need related to procuring and using human eye tissue to continue their research.

2023 Cycle 1

Nicole Carnt, BOptom, PhD

Westmead Institute for Medical Research

Eye bank: NSW Tissue Bank

A pilot study characterising the immune response in Herpes Keratitis

Tarsis Ferreira, PhD

University of Houston

Eye bank: Saving Sight; Miracles in Sight

Exploring Decorin Mimetics as Modulators of Fibroblast- to-Myofibroblast Transdifferentiation: Implications for Corneal Healing and Fibrosis

Xiang Ma, PhD

Oklahoma Medical Research Foundation

Eye bank: Lions Gift of Sight

Assessing markers of vascular regression in various stages of diabetic retinopathy

Michael Mong, MD

VETERAN AFFAIRS NORTH TEXAS HEALTH CARE MEDICAL CENTER

Eye bank: Lions VisionGift

REGIONAL VITAMIN K CONTENT OF THE HUMAN EYE: A PILOT STUDY

Sudhir Verma, PhD

University of Houston

Eye bank: Saving Sight

Characterizing the progenitor-like properties of Transient Amplifying Cells (TACs) that present a Hyaluronan (HA)-rich glycocalyx

2023 Cycle 2

Ananya Datta, BOPTM, MPhil, PhD, FAAO

New England College of Optometry

Eye bank: Eversight Eye Bank

Unlocking the Secrets of Diabetic Eyes: A Revolutionary Study of Substance P Receptors in Conjunctival Goblet Cells

Martina Christina Herwig-Carl, MD

University Hospital Bonn

Eye bank: Advancing Sight Network

Histopathological evaluation of the central and peripheral retina and its correlation with SD-OCT images in geographic atrophy

John Hetling, PhD

University of Illinois at Chicago

Eye bank: VisionFirst Indiana Lions Eye Bank

Device-Based Therapeutic Hypothermia for Human Eyes

Matias Soifer, MD

Bascom Palmer Eye Institute

Eye bank: Florida Lions Eye Bank

Identification of Corneal Immune Cells Visualized By In Vivo Confocal Microscopy Via Immunohistochemistry

Asmaa Zidan, MD

Massachusetts Eye and Ear

Eye bank: Lions Eye Bank of the Northeast

The Impact of Oxygen Supplementation on Corneal Endothelial Cells Morphology and Function

**2022
Cycle 1**

Ta Chen Peter Chang, MD

Bascom Palmer Eye Institute

Eye bank: Florida Lions Eye Bank

RNA Sequencing-Based Transcriptomic Profile of Fresh Normal Human Lens

Miguel Flores-Bellver, PhD

University of Colorado

Eye bank: Lions Eye Institute for Transplant & Research

Extracellular Vesicles enrichment from postmortem human Retina and RPE tissue

Elena Gofas Salas, PhD

Vision Institute (Sorbonne)

Eye bank: Lions Gift of Sight Eye Bank

Detection and identification of retinal cellular biomarkers for the study of the role of inflammation in neurodegenerative diseases

Martina Kropp, PhD

University of Geneva

Eye bank: Lions Gift of Sight Eye Bank

Animal product-free culture of human transfected Retinal (RPE) and Iris Pigment Epithelial (IPE) cells for cell therapy

Tasneem Sharma, PhD

Trustees of Indiana University

Eye bank: Minnesota Lions Gift of Sight Eye Bank

Therapeutic targeting of pressure induced glaucomatous degeneration

Maria Vinas, PhD and Sangyeon Cho, PhD

Eye bank: LIONS VISIONGIFT

Massachusetts General Hospital and Harvard Medical School

A novel gold-assisted plasmonic nanoscopy method to investigate mechanical and structural changes in Myopia

2022
Cycle 2

Mor Dickman, MD, PhD

Maastricht University Medical Center and MERLN Institute

Eye bank: Lions Eye Institute for Transplant and Research

Determining the quality of primary cultured corneal endothelial cells through a single cell RNA-sequencing analysis

Jami Gurley, PhD

University of Oklahoma Health Sciences Center

Eye bank: The Eye Bank of Kentucky

Assessment of Retinal Arteriolar Smooth Muscle Cell Coverage in Aged Human Retinas

Imre Lengyel, PhD

Queen's University Belfast, UK

Eye bank: Advancing Sight Network

Central and peripheral retinal changes in Alzheimer's disease

Navita Lopez, MSc, PhD

University of Utah

Eye bank: Utah Lion's Eye Bank

The role of TGFbeta signaling in retinal microglia in glaucoma

Michael Risner, PhD

Vanderbilt Eye Institute

Eye bank: Advancing Sight Network

Investigating Mechanisms Controlling Retinal Ganglion Cell and Axon Excitability During Glaucoma: A Pilot Study

2021
Cycle 1

Frauke Coppieters, PhD

Ghent University

Eye bank: Biobank Antwerpen

Design of a novel therapy for autosomal dominant inherited retinal diseases

Steffi Daniel, PhD

UT Southwestern Medical Center

Eye bank: Lions Eye Institute for Transplant and Research

Determination of fibulin-3 expression and localization in human ocular tissues

Martina Kropp, PhD

University of Geneva

Eye bank: Lions Gift of Sight

iPS-derived RPE cell & human retina co-culture for toxicity and potency assays in intraocular medicine

Jun Liu, PhD

Ohio State University

Eye bank: Lions Eye Bank West Central Ohio

Biomechanical correlations between cornea and optic nerve head

Wenlin Zhang, MD, PhD

University of California, Los Angeles, Stein Eye Institute

Eye bank: Lions Gift of Sight

Quantitative super-resolution localization of SLC4A11 variants in human corneal endothelium in its native environment

2021
Cycle 2

Luisa Holguin Colorado, PhD, OD

Queensland University of Technology

Eye bank: NSW Tissue Bank and Australian Ocular Biobank (AOB)

Corneal epithelial dendritic cells: An association between in vivo corneal confocal microscopy and immunohistology

Eileen Hwang, MD, PhD

University of Utah Moran Eye Center

Eye bank: San Diego Eye Bank

Age-related differences in the vitreous collagen fiber network

Binapani Mahaling, PhD

Medical College of Wisconsin
Eye bank: Lions Eye Bank of Wisconsin
Damage-Associated Molecular Patterns in Diabetic Retinopathy

Heather Moss, MD, PhD
Eye bank: San Diego Eye Bank
Stanford University
Characterization of novel foveal pit pathology in multiple sclerosis

Karen Peynshaert, PhD
Eye bank: Antwerp University Hospital
Ghent University
ICG-mediated photocoagulation of the inner limiting membrane to enhance retinal delivery after intravitreal injection

2020 Cycle 1

Silke Becker, PhD
John A. Moran Eye Center
Eye bank: Utah Lions Eye Bank
Lipid mediators and neurovascular dysfunction in human diabetic retina

Sander Dubovy, MD
Bascom Palmer Eye Institute
Eye bank: Florida Lions Eye Bank
Covid-19 in post mortem eyes

Yingbin Fu, PhD
Baylor College of Medicine
Eye bank: Lions Eye Bank of Texas
Role of AIPB in age-related macular degeneration

Michele Madigan, PhD
Save Sight Institute, University of Sydney
Eye bank: NSW Tissue Bank and Australian Ocular Biobank
Human choroid melanocytes, oxidative stress and inflammation

Teresa Puthussery, OD, PhD
University of California Berkeley
Eye bank: Lions VisionGift
A novel approach to assess selective ganglion cell vulnerability in glaucoma

2020

Cycle 2

Kevin Chan, PhD

New York University Grossman School of Medicine

Eye bank: The Eye-Bank for Sight Restoration

Magnetic resonance imaging of healthy and glaucomatous eyes

Rosario Fernandez-Godino, PhD

Massachusetts Eye and Ear

Eye bank: Lions Eye Institute for Transplant and Research

Complement activation via tick-over as a potential target to treat AMD

Peter Koulen, PhD

University of Missouri - Kansas City, School of Medicine

Eye bank: Kansas Eye Bank & Cornea Research Center

Novel method for efficient cryo-storage of human corneas

Ajay Sharma, PhD

Chapman University

Eye bank: Saving Sight

Impact of diabetes mellitus on corneal antigen-presenting cells