

Perritt Eye Research and Education Collaborative

Director & Administrator

Charles S. Bouchard, MD, MA

Michael Sedlacek, Administrative Assistant

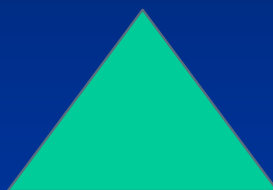
Medical Education Technology

Anuradha Khanna, MD, Director

Research Collaborative Programs

Evan Stubbs, PhD, Director

Kimberly Bergen, Research Coordinator



Medical Education Technology

Anuradha Khanna, MD
Evan Price, MD

❖ *Interactive 3D Surgical Training Solutions*
TruVision 3D Surgical System
3D Classroom and Education Center

❖ *On-line Ophthalmic Pathology*
E-Learning Program
National Data Base

❖ *Cataract Surgical Assessment Tool*
Video Performance Review
Skills Refinement

❖ *Loyola Leischner Institute for Medical Education*

❖ *LUMC Advanced Procedure and Education Center (APEC)*
Surgical Training
Resident Education
Practicing Ophthalmologists

Cornea and Ocular Surface Diseases

Bruce Gaynes, OD, PharmD
Omer Iqbal, MD

❖ *Dry Eye Disease*
Floppy Eyelid Syndrome
Graft vs Host Disease (GVHD)

❖ *Corneal Disease*
Keratoconus, Proteomics
Corneal Transplantation

❖ *Genetics of Rare Disease*
Steven ' Johnson Syndrome
Pellucid Marginal Degeneration

❖ *Corneal Stem Cell Transplantation*

❖ *Ocular Surface Imaging*
Ocular Blood Flow

❖ *Topical Pharmacology/Drug Delivery*

❖ *Quality of Life (QOL) Assessments*

Glaucoma and Neurodegenerative Diseases

Evan Stubbs, PhD
Simon Kaja, PhD

❖ *Cellular & Molecular Mech. of Glaucoma*
TGF- β 2, ET-1 & AH Outflow Dynamics
Pressure-Induced Injury to RGC Neurons
siRNA Therapeutics

❖ *Diabetic Neuropathy and Retinopathy*

❖ *Autoimmune Neuropathy*
Autoreactive leukocyte Trafficking
siRNA Therapeutics

❖ *Neuro-protectants*
Polyphenols
Crucifer Isothiocyanates (Sulforaphane)

❖ *Ocular Pharmacology*
Elapid Analgesics
Sulodxide Therapeutics

❖ *Proteomics*

Patient Care Outcomes Research (PCOR)

Ronald Price
Francis Weaver

❖ *Chicago PCORI*
NIH Funded Grant

❖ *Loyola Clinical Research Database (CRDB)*
Macular Degeneration
Diabetic Retinopathy
Glaucoma
Obstructive Sleep Apnea

❖ *Hines VA Information Resource Center (VIREC)*

❖ *CHE-Trinity Data Mining Program*