Perritt Eye Research and Education Collaborative

Director & Administrator
Charles S. Bouchard, MD, MA
Gina Ordonez, Administrative Assistant

Medical Education Technology
Anuradha Khanna, MD, Director

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

- On-line Ophthalmo 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
Cynthia Pervan, PhD

- Cellular & Molecular Mech. of Glaucoma
  - TGF-β2, 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

Research Collaborative Programs
Evan Stubbs, PhD, Director
Kimberly Bergen, Grant Administrator

Patient Care Outcomes Research (PCOR)
Ronald Price
Francis Weaver

- Chicago PCORI
  - NIH Funded Grant

- Loyola Clinical Research Database (CRDB)
  - Macular Degeneration
  - Diabetic Retinopathy
  - Glaucma
  - Obstructive Sleep Apnea

- Hines VA Information Resource Center (VIREC)

- CHE-Trinity Data Mining Program