CASE WESTERN RESERVE UNIVERSITY, SCHOOL OF MEDICINE
VISUAL SCIENCES TRAINING PROGRAM

PRIMARY FACULTY

Engel, Andreas, PhD
Professor, Pharmacology; Junior Faculty. Research Focus: Organization of the G protein coupled receptors rhodopsin and opsin in native membranes of the retina

Gubitosi-Klug, Rose, MD, PhD
Associate Professor, Pediatrics; Junior Faculty. Research Focus: Pediatric endocrinology, diabetes and metabolism

Imanishi, Yoshikazu, PhD
Assistant Professor, Pharmacology; Junior Faculty. Research Focus: Localization of proteins and chemical intermediates involved in phototransduction and the visual cycle using modern imaging techniques

Iyengar, Sudha, PhD
Associate Professor, Epidemiology & Biostatistics (Ophthalmology & Visual Sciences); Trainer. Research Focus: Genetics of complex human disorders: mapping quantitative trait loci associated with ocular disorders

Kern, Timothy, PhD
Professor, Medicine (Ophthalmology & Visual Sciences, Pharmacology); Steering Committee Member, Trainer. Research Focus: Pathogenesis and inhibition of diabetic retinopathy

Maeda, Akiko, MD, PhD
Assistant Professor, Ophthalmology & Visual Sciences; Trainer. Research Focus: Age-related macular degeneration (AMD)

Medof, M. Edward, MD, PhD
Professor, Pathology (Medicine, Ophthalmology & Visual Sciences); Trainer. Research Focus: Complement on the ocular surface

Monnier, Vincent, MD
Professor, Pathology (Biochemistry); Trainer. Research Focus: Amino-carbonyl reactions in the aging human lens and in diabetic retinopathy

Nagaraj, Ram, PhD
Carl F. Asseff, M.D. Professor of Ophthalmology & Visual Sciences and Pharmacology; Steering Committee Member, Trainer. Research Focus: Maillard reactions and oxidation in aging and diabetic retinopathy

Palczewski, Krzysztof, PhD
John H. Hord Professor and Chair, Department of Pharmacology; Trainer. Research Focus: Mapping the visual transduction system: phototransduction and rhodopsin

Park, Paul, PhD
Assistant Professor, Ophthalmology & Visual Sciences (Pharmacology); Trainer. Research Focus: Understanding the mechanism of action of rhodopsin and other G protein-coupled receptors

Rev. 09/27/13
Pearlman, Eric, PhD
Professor and Director of Research, Ophthalmology & Visual Sciences (Pathology); PI of NEI Core Grant, Associate Director of VSTP, Steering Committee Member, Trainer. Research Focus: Ocular immunology and inflammation; pathogenesis of ocular infectious disease

Pikuleva, Irina, PhD
Jules and Doris Stein RPB Professor, Ophthalmology & Visual Sciences (Pharmacology); Trainer. Research Focus: Cholesterol metabolism in relation to age-related macular degeneration (AMD)

Rietsch, Arne, PhD
Assistant Professor, Molecular Biology and Microbiology; Trainer. Research Focus: Type III secretion centering on triggering of effector secretion by cell contact

Salomon, Robert, PhD
Professor, Chemistry; Trainer. Research Focus: Role of lipid oxidation in disease, development of new diagnostic tools for identifying individuals at risk and assessing the efficacy of therapeutic interventions, and providing a molecular basis for the design of new drugs and strategies for the prevention or treatment of oxidative injury

Subauste, Carlos, MD
Associate Professor, Ophthalmology & Visual Sciences (Medicine, Pathology); Trainer. Research Focus: CD40, ocular toxoplasmosis and diabetic retinopathy

von Lintig, Johannes, PhD
Assistant Professor, Pharmacology; Trainer. Research Focus: Carotenoids and retinoids in vision and gene regulation, visual cycle, retinal degeneration, eye development

Zigmond, Richard, PhD
Professor, Neurosciences; Steering Committee Member, Trainer. Research Focus: Axotomy-induced changes in gene expression and regeneration