

Loyola Ophthalmology Vision Research Day

A HYBRID Event on Wednesday,
June 15, 2022 – poster viewing 3:00-4:00pm
Faculty presentations-4:00-7:00pm

Hosted by: Charles S. Bouchard, MD, MA, Professor and Chairman
Evan Stubbs, PhD, Vice Chair of Research



CORNEA AND OCULAR SURFACE DISEASE



Omer Iqbal, MD
"Pharmacovigilance in
Stevens Johnson
Syndrome"



Marianna Bacellar-Galdino,
DVM, PhD
"Novel Rabbit Model for Particulate
Matter-Induced Dry Eye Disease"



Simon Kaja, PhD
"Immunotherapy for
Dry Eye Disease"



Abby Kroken, PhD
"Ocular Surface Defenses Overcome
by Pseudomonas Aeruginosa"



Vidhyao Rao, PhD
"Targeting Neutrophil Activation
in Ocular Surface Disease"



Michael Zilliox, PhD
"Role of Microbiome in
Ocular
Surface Disease"

GLAUCOMA AND NEURODEGENERATION



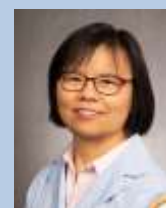
Anita Ghosh, PhD
"Cellular Models for
Drug Discovery in
Ophthalmology"



Bruce Gaynes, OD, PharmD
Assessment of Pupillary Function in
neurodegenerative disease: What are
we missing?



Evan Stubbs, PhD
"The Role of Oxidative Stress in Primary
Open Angle Glaucoma"



Ping Bu, MD
"Kaempferol protects
retina against retinal light
injury in mice"

Ophthalmology Resident Research (PGY 3) *Mentor*



Connor Baharozian, MD
Bruce Gaynes, OD Pharm D
Influence of vitreous
detachment on the outcome of
intravitreal injection for retinal
disease



Nolan Adams, MD
James McDonnell, MD
The Effect of Blue-Light
Blocking IOLs on Glycemic
Control in Diabetic Patients



Sara Griffin, MD
Anu Khanna, MD
Enhanced curriculum integration
experiential learning opportunities
for ophthalmology knowledge,
skills, and attitude (KSA)



Vish Reddy, MD
Stephen Blatt, MD
Ophthalmology Residents' Attitudes
Toward Stress and Wellness when
Fulfilling on-call Responsibilities

REGISTRATION LINK: https://luc.zoom.us/webinar/register/WN_expB1dNvTricRPGnowJRvQ

LOCATION: Room 360 (lectures) and Atrium 2nd floor (posters and snacks)

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ARVO 2022 Posters

- a. Nolan Adams / McDonnell - The Effect of Blue-light-blocking Intraocular Lenses on Sleep, Mood, and Circadian Rhythm in Diabetic Patients
- b. Vish Reddy / Blatt - Ophthalmology residents' attitudes toward stress and wellness when fulfilling on-call responsibilities
- c. Sarah Griffin / Chaku - Minimally Invasive Glaucoma Surgery Wet-Lab: A Follow-Up Needs Assessment Survey for Ophthalmology Residents
- d. Yanhan Ren / Bouchard - Indications and Outcomes of Surgery for High Myopia: STAAR Intraocular Collamer Lens (ICL) vs. LASIK
- e. Mark Solinski / Raiji - Health Related Quality of Life in Patients with Uveitis and Sarcoidosis
- f. Iqbal - The potential roles of IL-6 and NKG2C in the pathogenesis of Stevens Johnson Syndrome/Toxic Epidermal Necrolysis
- g. Vidhya Rao / Kaja - Pooled human immune globulins protect against neutrophil activation
- h. Marianna Bacellar-Galdino / Kaja - Novel rabbit model for particulate matter-induced allergic conjunctivitis
- i. Simon Kaja - Novel murine model for autoantibody-induced dry eye disease
- j. Anita Ghosh / Kaja - Manganese porphyrin antioxidant alleviates particulate matter-induced allergic conjunctivitis
- k. Inesa Lelyte / Kaja - Development of human retinal pigment epithelial cells with inducible VEGF expression
- l. Maria Vahatupa / Kaja - Comparison of the laser-induced choroidal neovascularization model pathology in C57BL/6J mice from different vendors
- m. Jeffrey Jamison / Kaja - Efficacy of Tansospirone and cytokine production in the mouse Blue Light Damage model of Dry AMD
- n. Sean Ogle / Kaja - Agonism of the liver X receptor improves dry eye pathology in vitro and in vivo
- o. David Kleinman / Kaja - PLL-g-PEG inhibits antibody-drug conjugate uptake into human corneal epithelial cells in vitro

2. St Albert's Day Posters (2021)

- a. Samantha Diulus / Bouchard - Orbital Compliance and Applied Ocular Force Tolerance in Patients with Obstructive Sleep Apnea Syndrome (OSAS)
- b. Puja Brahmabhatt / Bouchard - Lipid Layer Thickness, Blink Parameters, and Meiboscore in Patients with Dry Eye Disease: A Retrospective Cohort Study
- c. James Qiao / Bu - Probiotic Bacterial Metabolite Inhibits Toll-Like Receptor 5 Agonist Induced Production of IL-6 by Human Corneal Epithelial Cells
- d. Vish Reddy / Blatt - Ophthalmology residents' attitudes toward stress and wellness when fulfilling on-call responsibilities
- e. Nolan Adams / McDonnell - The Effect of Blue-light-blocking Intraocular Lenses on Glycemic Control in Diabetic Patients
- f. Yuliya Pomeranets / Gaynes - Repurposing of IGF-1R inhibitors for the Treatment of Retinal Degenerative Diseases
- g. Jamison Jones / Iqbal - Early Ocular Manifestations in Patients With COVID-19
- h. Anjali Ferris / Starnes - Assessing the ocular surface microbiome in rosacea
- i. Meriam Ben Hadj Tahar / Iqbal - The Roles of Non-esterified fatty acids (NEFA) and Liver fatty acid binding protein (L-FABP) in the pathogenesis of Stevens-Johnson Syndrome/Toxic Epidermal Necrolysis (SJS/TEN)