

## Curriculum Vitae

**Brett J. King, O.D., F.A.A.O.**  
**Indiana University School of Optometry**  
**800 E. Atwater Ave**  
**Bloomington, IN 47405**  
**kingbrj@indiana.edu**

### Education

1999 Pennsylvania College of Optometry and Hunkeler Eye Centers  
Kansas City, MO  
Residency in Cornea and Refractive Surgical Care  
1998 Indiana University School of Optometry, Bloomington, IN  
Degree: OD  
1994 Ball State University, Muncie, IN  
Degree: BS

### Professional Position

Clinical Professor  
Chief of Advanced Ocular Care Service  
Ocular Disease Residency Coordinator  
Graduate Faculty in Vision Science  
Indiana University School of Optometry  
800 E. Atwater Ave. Bloomington, IN 47405

### Professional Experience

2020-Present Clinical Professor

- Clinical instructor - Advanced Ocular Care Service
- Instructor of record for didactic courses
- Clinical and translational research
- Graduate Faculty in Vision Science

2013- 2020 Clinical Associate Professor

- Clinical instructor - Advanced Ocular Care Service
- Instructor of record for didactic courses
- Clinical and translational research
- Graduate Faculty in Vision Science

2006-2013 Consultative Optometrist – Stiles Eye Care Excellence

- Glaucoma evaluation and management
- Pre and Post glaucoma and cataract surgical care
- Director of Clinical Research
- Provided quarterly continuing education for referral doctors

2004-2006 Optometrist – Draisin Vision Centers  
1998-2004 Consultative Optometrist – Hunkeler Eye Centers

## Teaching Experience

2014 – Present

Instructor of Record

- V644 Ocular Disease I: A detailed description of the signs, symptoms, differential diagnosis, and management of ocular disease of the anterior segment
- V745 Ocular Disease II: A detailed description of the signs, symptoms, differential diagnosis, and management of ocular disease of the posterior segment, neurological disorders affecting the eye, and application of ocular therapeutics

2014-Present

Co-Instructor

- V749 Ocular Disease IV: Provide lectures on laser and surgical management of glaucoma
- V740 Ocular Disease V: Provide lab and lecture for minor surgical procedures
- V844 and 845: 4<sup>th</sup> year clinic rotation

2003-04

Adjunct Assistant Professor – UMSL College of Optometry

- External Rotation Proctor

## Research Experience

2017-Present

High-Resolution, Adaptive Optics Imaging of the Trabecular Meshwork In Vivo

IU IRB# 1708843867

Role: PI

2014

A Retrospective Study into the Association of Glaucoma and Retinal Gliotic Lesions

IU IRB# 1409110163

Role: PI

2013

A Retrospective Review of Optical Coherence Tomography Images to Determine Prevalence of Outer Retinal Tubulations in Patients with Chronic Retinal Disease

IU IRB# 1309285879

Role: PI

2013-Present

3D RNFL Structure and High-resolution Perimetry for Assessing Glaucomatous Damage

IU IRB# 0803000126

Role: Co-Investigator

2013-Present

Adaptive Optics Retinal Imaging as a Biomarker in Diabetes

IU IRB # 0804000129

Role: Co-Investigator

2013-Present

Low-cost Device for Digital Retinal Imaging (with subjects)

IU IRB# 0804000129

Role: Consultant

### **Research Prior to 2013**

Sahara: A Prospective Longitudinal Observational Study to Assess the Development of Ocular Surface Disease in Treatment-Naïve Glaucoma and Ocular Hypertension Patients vs. Those without Elevated Intra-ocular Pressure

Merck: 006-00 - Role: PI

Travatan Z Versus Xalatan in OSDI

Alcon: C-08-03 - Role: PI

Refresh Contact Lenses Versus 1-Day Acuvue and Focus Dailes Contact Lenses

Vistakon: CR-1237 - Role PI

Acuvue 8.8 Non-I/O Lenses from Different Production Lots

Vistakon: CR-9908 - Role: PI

### **Co/Sub investigator in Clinical Trials Prior to 2013**

- Alcon: c-97-57; c97-53; c-97-54, pterygium studies
- Alcon: Cellugel C-98-22, viscoelastic
- Alcon: C98-43, anti-inflammatory irrigating solution
- Alcon: C-97-71 “A Twelve-Month, Triple-Masked, Parallel Group Primary Therapy Study of the Safety and Efficacy of AL-6221 0.0015% and AL-622 0.004% Compared to Timoptic 0.5% and Xalatan 0.005% in Patients with Open-Angle Glaucoma or Ocular Hypertension
- Alcon: C-0163, multifocal PCIOL
- Alcon: C-01-99, “An Evaluation of Efficacy and Safety of Posterior Juxtасcleral Injections of Anecortave Acetate 15mg versus VISUDYNE in Patients with Subfoveal Exudative Age-Related Macular Degeneration Eligible for Initial Treatment with Photodynamic Therapy Using VISUDYNE
- Alcon: C-02-52, “A Comparison of Ciprodex (Ciprofloxacin 0.3%, Dexamethasone 0.1%) Ophthalmic Suspension, versus Ciloxan (Ciprofloxacin 0.3%) Ophthalmic Solution, Maxidex (Dexamethasone 0.1%) Ophthalmic Suspension and Ciprodex Vehicle for the Treatment of Bacterial Blepharitis”
- Alcon: C-0067, “A Prospective Clinical Evaluation of the Safety and Efficacy of the InteliPORT Occluding Device FID 98376 Compared to the Lacrimedics Opaque Herrick Lacrimal Plug”
- Allergan: AIOL-107-AR40, acrylic IOL; ARRY-109-PUPL, multifocal IOL; Pres. 101, accommodative study
- Allergan: 195263-003 “A Multi-Center, Parallel, Randomized, Double-Masked, Vehicle-Controlled, Dose-Ranging Study to Evaluate the Safety, Tolerability, and Efficacy of Testosterone 0.01%, 0.1%, and 0.3% Ophthalmic Solutions Administered Twice Daily for 16 weeks in Patients with Keratoconjunctivitis Sicca (KCS)”

- Allergan: 192371-011-01 “A Multicenter, Double-Masked, Randomized, Vehicle-Controlled, Parallel-Group Study of the Safety and Efficacy of Cyclosporine 0.05% Ophthalmic Emulsion Used Twice Daily for Six Months in Patients with Moderate to Severe Keratoconjunctivitis Sicca”
- Aquesys: P11-001 “A Prospective, Multicenter Clinical Trial Designed to Evaluate the Safety and Performance of the Aquesys Microfistula Implant in Subjects with Refractory Glaucoma”
- Bausch & Lomb: EXKM-607-HYP “A Prospective Multicenter Clinical Trial to Evaluate the Safety and Effectiveness of the Technolas 217A Excimer Laser When Used for Intrastromal Ablation (LASIK) for the Correction of Naturally Occurring Hyperopia Between 1.0 – 4.0 D of Spherical Refraction with up to 2.0 D of Refractive Astigmatism
- Bausch & Lomb: EXKM-609-AST, “Technolas 217A Excimer Laser for Intrastromal Ablation (LASIK) for the Correction of 1.00 – 12.00 D of Myopia with 0.50 to 5.00 D of Astigmatism”
- Eli Lilly: LY333531 B7A-MC-MBCM, “Protein Kinase C  $\beta$  Inhibitor – Diabetic Retinopathy Study 2 (PKC-DRS2) A Phase 3 Clinical Trial”
- Glaukos: GC-003 “iStent Trabecular Bypass Micro Stent in Combination with Cataract Surgery in Patients with Open-Angle Glaucoma
- Inotek: IPC-05-2007, “Phase I, Multi-center, Randomized, Double-Blind, Placebo-controlled, Dose-Escalation Study to Evaluate the Tolerability, Safety, Pharmacokinetics, and Pharmacodynamics of the Ocular Application of a Single Dose of INO-8875 in Adults with Ocular Hypertension or Primary Open Angle Glaucoma”
- Inotek: IPC-10-2009 “Phase Ib, Multi-center, Randomized, Double-Blind, Placebo-controlled, Dose-Escalation Study to Evaluate the Tolerability, Safety, Pharmacokinetics, and Pharmacodynamics of the Ocular Application of INO-8875 in Adults with Ocular Hypertension or Primary Open Angle Glaucoma”
- Inspire: 03-103; 03-105, “A Multi-Center, Double-Masked, Randomized, Placebo-Controlled, Dose Ranging Study of Multiple Ocular Instillations of INS 365 Ophthalmic Solution vs. Placebo in Patients with Moderate to Severe Dry Eye Disease”
- Inspire: 06-101, “A Single-Center, Double-Masked, Randomized, Dose-Ranging Study of a Single Intravitreal Injection of INS37217 Intravitreal Injection in Subjects with Retinal Detachment”
- Ista: VIT-02-08961X, “Phase III Safety and Efficacy Study of Vitrase (Hyaluronidase) for Ophthalmic Intravitreal Injection for Clearance of Severe Vitreous Hemorrhage”
- Ista: BR-CS001, “Efficacy and Safety of Topical Bromfenac Ophthalmic Solution, 0.1% vs. Placebo for Treatment of Ocular Inflammation following Cataract Surgery: A Randomized, Multicenter, Double-Masked, Parallel Study”
- KeraVision: 1012; 1012b; 1009, “Evaluation of Intrastromal Corneal Ring Segments for the Correction of Myopia”
- Medarex: CL-SEC013, “A Phase III Study of MDX-RA Compared with Placebo Administered in Patients Undergoing Phacoemulsification or Planned Extracapsular Extraction for Cataract”

- Morcher GmbH: capsular tension ring G960190 “Endocapsular Tension Ring”
- Nidek: NE41; NE63; NE52; NE64; NE91, excimer laser studies
- Novartis: SMS995-804, “A Randomized, Controlled Study of the Safety and Efficacy of Sandostatin LAR in the Therapy of Patients with Moderately Severe or Severe Non-proliferative Diabetic Retinopathy or Low Risk Proliferative Diabetic Retinopathy”
- Ophtec: “Clinical Investigation to Surgically Correct High Hyperopia with the Implantation of the Artisan Hyperopic Intraocular Lens”
- Ophtec: “Clinical Investigation of Myopia Surgery with the Implantation of the Artisan Myopic Intraocular Lens Model 204 or 206”
- Otsuka: “Rebamipide Ophthalmic Suspension in the Treatment of Dry Eye: A multicenter, phase 3, randomized, double-masked, placebo-controlled, parallel-group, 52-week study”
- Pharmacia: 9700PG071, “A Randomized, 5 Year Postmarketing Safety Study of Xalatan Compared to Usual Care in Patients with Open Angle Glaucoma or Ocular Hypertension”
- Pharmacia: 9800PG081, “A Comparison of the Efficacy and Safety of Latanoprost vs. Brimonidine in Patients with Elevated Intraocular Pressure. A Six-month, Randomized, Masked-Evaluator, Phase IV, Multicenter Study in the United States”
- Pharmacia: 110A-OPT-0324-0001, “A 24 Week Dose-Ranging Study to Compare the Efficacy, Safety, and Comfort of 0.03%, 0.06%, and 0.1% of Diclofenac-Eye to its Vehicle in Ocular Hypertensive Patients”
- Pharmacia: 524-OPT-0065-002, “A 12-Week, One Time Dosing, Phase IIA, Randomized, 2-3 Site Study to Evaluate the Safety of Intravenous Tin Ethyl Etiopurpurin (SnET2 at 0.5mg/kg or 0.75 mg/kg) in Conjunction with Photodynamic Therapy for the Treatment of Subfoveal Choroidal Neovascularization associated with Age-Related Macular Degeneration”
- Premier Laser Systems: laser cataract removal; laser blepharoplasty
- University of Pittsburgh Eye and Ear: “Prophylactic Diode Laser Photocoagulation for the Prevention of Choroidal Neovascularization in Age-Related Macular Degeneration
- Refractec: RCS-001-HYP, “A Prospective Multicenter Clinical Trial to Evaluate the Safety and Effectiveness of the Refractec Corneal Shaping System for the Correction of Hyperopia Utilizing the Radio Frequency Keratoplasty Procedure”
- Santen: 03-003, ophthalmic solution for the treatment of bacterial conjunctivitis
- Summit: G890201; G980185, primary treatment excimer laser clinical trials
- Summit: G990077, “A Multi-Center LASIK Retreatment Study”
- Sunrise Laser System: SP74, “LTK Holmium Laser System for Thermal Keratoplasty for Refractive Procedures: Correction of Presbyopia”

- Sunrise Laser Systems: SO86 “LTK Holmium Laser System for Thermal Keratoplasty for Refractive Procedures: Correction of Hyperopia Due to Overcorrected Refractive Procedures”
- Sunrise Laser Systems: SL73, “LTK Holmium Laser System for Thermal Keratoplasty : Correction of Hyperopia Phase III Study”
- Sunrise Laser Systems: SL-61; SL72 LTK for Hyperopia

## **Grant Activity**

- 2020 – Present “Visual Biomarkers of Concussion”
  - Role – Co-I, Port (PI) Indiana Traumatic Spinal Cord and Brain Injury Research Fund
- 2019 – Present “Adaptive Optics Gonioscopic Imaging of the Human Conventional Outflow Pathway”
  - Role – Co-PI, Burns (PI) Alcon Research Institute
- 2016 – 2018 “High Resolution, Adaptive Optics Imaging of the Trabecular Meshwork In Vivo”
  - Role – Co-author of grant submission and Co-I, Burns (PI) AOF Allergan Research Grant
- 2015 - 2017 “Pupil Responses Evoked by Targeted Retinal Stimuli: Is there Melanopsin-Mediated Irradiance Detection at the Optic Disc”
  - Role - Co-I , Hartwick (PI) Big10 Vision Research Challenge Grant
- 2014 – 2016 “Lowering the Cost of Imaging for Retinal Microvasculature in Diabetic Patients”
  - Role – Consultant, Elsner (PI) NIH/NEI R41 EY026105
- 2014 – Present “Adaptive Optics Imaging of Human Retinal Vascular Structure and Function”
  - Role – Co-I, Burns (PI) NIH/NEI R01 EY024315
- 2014 – Present “3d RNFL Structure and High-Resolution Perimetry for Assessing Glaucomatous Damage”
  - Role – Consultant, Swanson (PI) NIH/NEI R01 EY024542

- 2013 - 2016 “Measurement of Retinal Blood Flow prior to and after Instillation of Topical Anti-Ocular Hypertensive Medications Using an Adaptive Optics Scanning Laser Ophthalmoscope”
  - Role – PI, Beta Sigma Kappa Research Fellowship American Optometric Foundation

### Peer Reviewed Publications

- Alluwimi M, Swanson WH, **King BJ**. A Novel Stimulus to Improve Perimetric Sampling within the Macula in Patients with Glaucoma. *Optom Vis Sci*. 2021 ***In Press***
- Ashimatey BS, **King BJ**, Swanson WH. Functional Characteristics of Glaucoma Related Arcuate Defects Seen on OCT En Face Visualization of the Retinal Nerve Fiber Layer. *Ophthalmic Physiol Opt*. 2020 ***In Press***. Doi:10.1111/opo.12780
- Cheung H, **King BJ**, Gast TJ. Presumed activated retinal astrocytes and Muller cells in healthy and glaucomatous eyes detected by spectral domain optical coherence tomography. *Ophthalmic Physiol Opt*. 2020 Nov. doi:10.1111/opo.12731
- Elsner, AE, Papay JA, Johnston KD, Sawides L, de Castro A, **King BJ**, Jones DW, Clark CA, Gast TJ, Burns SA. Cones in Ageing and Harsh Environments: the Neural Economy Hypothesis. *Ophthalmic Physiol Opt*. 2020 Feb 4. doi:10.1111/opo.12670
- **King BJ**, Swanson WH, Klemencic SA, Chaglasian M, Teitelbaum BA, Clark CA, Speilburg AM, Grogg JA, Peabody TD. Assessing the Impact of En Face Retinal Nerve Fiber Layer Imaging on Clinical Decision-Making for Glaucoma Suspects. (Feature Article of Issue) *Optom Vis Sci*. 2020 Feb; 97:54-61. doi:10.1097/OPX.0000000000001479
- Swanson, WH, **King BJ**, Burns SA. Within-Subject Variability in Human Retinal Nerve Fiber Bundle Width. *PLoS One*. 2019 Oct 16;14:e0223350. doi:10.1371/journal.pone.0223350
- **King BJ**, Burns SA, Sapoznik KA, Luo T, Gast TJ. High Resolution, Adaptive Optics Imaging of the Human Trabecular Meshwork *In Vivo*. *Transl Vis Sci Technol*. 2019 Sep;8:5.doi:10.1167/tvst.8.5.5

- Swanson WH, **King BJ**, Horner DG. Using Small Samples to Evaluate Normative Reference Ranges for Retinal Imaging Measures. *Optom Vis Sci*. 2019 Mar, 96:146-155. doi: 10.1097/OPX.0000000000001353. PMID:30801505
- Swanson WH, **King BJ**. Comparison of Defect Depths for Sinusoidal and Circular Perimetric Stimuli in Patients with Glaucoma. *Ophthalmic Physiol Opt*. 2019:Jan;39:26-36. Doi: 10.1111/opo.12598
- Ashimatey BS, **King BJ**, Burns SA, Swanson WH. Evaluating Glaucomatous Abnormality in Peripapillary OCT EnFace Visualization of the Retinal Nerve Fiber Layer Reflectance. *Ophthalmic Physiol Opt*. 2018 July;38:376-388
- Ashimatey BS, **King BJ**, Malinovsky VE, Swanson WH. Novel Technique for Quantifying Retinal Nerve Fiber Bundle Abnormality in the Temporal Raphe. *Optom Vis Sci*. 2018 Apr;95:309-317
- Alluwimi M, Swanson WH, Malinovsky VE, **King BJ**. Customizing perimetric locations based on en face images of retinal nerve fiber bundles with glaucomatous damage. *Transl Vis Sci Technol*. 2018 Mar 157(2)5
- Alluwimi M, Swanson WH, Malinovsky VE, **King BJ**. A basis for customizing locations within the macula in glaucoma. *Ophthalmic Physiol Opt*. 2018 March; 38:164-173
- Cense B, Miller D, **King BJ**, Theelen T, Elsner AE. Measuring polarization changes in the human outer retina with polarization-sensitive optical coherence tomography. *J Biophotonics*. 2018 May;11: e201700134
- Ashimatey B, **King BJ**, Swanson WH. Retinal Putative Glial Alterations: Implications for Glaucoma Care. *Ophthalmic Physiol Opt*. 2018 Jan;38:56-65
- Alluwimi M, Swanson WH, **King BJ**. Identifying glaucomatous damage to the macula. *Optom Vis Sci*. 2018 Feb;95:96-105
- **King BJ**, Sapoznik KA, Elsner AE, Gast TJ, Papay JA, Clark CA, Burns SA. SD-OCT and Adaptive Optics Imaging of Outer Retinal Tubulation. *Optom Vis Sci*. 2017 Mar; 94:411-422
- Elsner AE, **King BJ**. Screening for macular disorders: the optometrist's perspective. Invited review. *Clinical Optometry* March 2015 vol 2017:7, pgs15-38. Open Access
- Twa MD, Karpecki PM, **King BJ**, Linn SH, Durrie DS, Schanzlin DJ. One-year results from the phase III investigation of the KeraVision Intacs, *J AM Optom Assoc*. 1999 Aug; 70:515-24



## Invited Publications

- Kalas KG, **King BJ**. Getting a Better Look at Glaucoma: *Three imaging modalities are brimming with potential for use in patients with glaucoma*. Modern Optometry, October 2019.
- Collins LA, **King BJ**. Boost Your Glaucoma Drug Knowledge: It's helpful to know the treatment options available, Modern Optometry, April 2019
- Gelles JD, Hauswirth SG, Johnston J, **King BJ**, Lighthizer N, Schweitzer J, Updates on Ocular Surface Disease, Glaucoma, and Cataract Co-management, Advanced Ocular Care, Supplement April 2017
- **King, BJ**. A test drug for sub-retinal fluid: INS37217 may one day prevent vision loss from various retinal conditions, Review of Optometry, January 15, 2002
- **King, BJ**, Karpecki, P. Post-LASIK enhancement, when to refer and what to expect, Primary Care Optometry News, November 1998

## Peer Reviewed Poster Presentations or Published Abstracts

- Marte M, **King BJ**. More than a Red Eye: Neurotrophic Keratitis and Vision Loss. OVS 2020 E-Abstract R2020094
- Ferris L, Desai R, **King BJ**, Port N. Pupillary Light Reflex (PLR) Changes Show Promise as an Objective Biomarker in the Acute Phase of Concussion. OVS 2020 E-Abstract 205225
- Desai R, Ferris L, **King BJ**, Port N. Retinal Thickness Changes May be Detectable as Objective Biomarkers in the Acute Phase of Concussions. OVS 2020 E-Abstract 205224
- Kalas KG, **King BJ**. Neurotrophic Keratitis: Relief in Sight; OVS 2019 E-Abstract
- **King BJ**, Swanson WH, Kurokawa K, Miller DT. Comparing retinal nerve fiber layer thickness between SD-OCT and AO-OCT; IOVS 2019: ARVO E-Abstract 4609-A0594
- Cheung H, Swanson WH, **King BJ**. Reducing Test-Retest Variability in Damaged Nasal Visual Fields; OVS 2019 E-Abstract P06-2
- Collins L, Hrisomalos F, **King BJ**; Aniridia and Aphakia through Clear Corneal Incision Secondary to Blunt Trauma; OVS 2019 E- Abstract SE-15
- **King BJ**, Gast TJ, Sapoznik KA, Luo T, Burns SA. Adaptive optics scanning laser ophthalmoscopy of the human iridocorneal angle in vivo; IOVS 2018: ARVO E-Abstract A0284-selected as HOT TOPIC for MOI session

- Gast TJ, **King BJ**, Harrington P, Sapoznik KA, Luo T, Burns SA. Modifications of AOSLO to Imaging Human Ocular Angle Structure; IOVS 2018: ARVO E-Abstract A0268
- Fisher S, **King BJ**, Sapoznik KA, Gast TJ, Hrisomalos F, Burns SA. Imaging Photoreceptors in Epiretinal Membranes via Adaptive Optics Scanning Laser Ophthalmoscopy. Heart of America Eye Care Congress, February 2018
- Fisher S, **King BJ**, Prall FR. Macular Edema in Somatic Gain of Function HIF 2 $\alpha$  Syndrome; Residents Day OVS 2017: AAO E-Abstract
- Ashimatey BS, **King BJ**, Swanson WH. Putative proliferated glia seen on OCT en face imaging: Implications for glaucoma related patient care; OVS 2017: AAO E-Abstract 036
- Swanson WH, **King BJ**, Horner DG. Development of normative reference values for en face RNFL thickness; IOVS 2017: ARVO E-Abstract 1321-A0065
- **King BJ**, Swanson WH, Ashimatey BS. Comparing RNFL defects to depth of defect across perimetric stimuli; IOVS 2017: ARVO E-Abstract 704-B0451
- Ashimatey BS, Swanson WH, **King BJ**, Burns SA. Defining RNFB abnormality in peripapillary OCT en face imaging; IOVS 2017: ARVO E-Abstract 3994-A0303
- Dewit M, **King BJ**, Elsner AE, Clark CA. Imaging Retinal Vascularization in Geographic Atrophy via OCT Angiography. Heart of America Eye Care Congress, February 2017
- Alluwimi M, Swanson WH, Malinovsky V, **King BJ**. Targeting Damaged RNFL Bundles on En Face Retinal Images with Perimetric Stimuli; American Academy of Optometry 2016
- Ashimatey B, Swanson WH, **King B**. Predicting Glaucomatous Retinal Nerve Fiber Bundle Abnormality at the Disc Region from OCT En Face Imaging; American Academy of Optometry 2016
- DeWit M, **King BJ**. Ocular Hypotony – a Rare Sequela of iStent Implantation; American Academy of Optometry Residents Day
- Schuiteman M, **King BJK**. Idiopathic Recurrent Anterior Uveitis in a Patient with Multi-Systemic Disorders; American Academy of Optometry Residents Day 2016
- **King BJ**, Sawides L, Burns SA. Quantifying Peripapillary Capillaries in Patients with Glaucoma Compared to Age-Similar Controls Using AOSLO; IOVS 2016: ARVO E-Abstract A0054
- Ashimatey BS, Swanson WH, **King BJ**. Customized imaging and analysis protocols for detecting glaucomatous retinal nerve fiber bundle (RNFB) reflectance in the temporal raphe; IOVS 2016: ARVO E-Abstract D0020

- Swanson WH, **King BJ**, Ashimatey BS. Slab Parameters for En Face Imaging of the Retinal Nerve Fiber Layer (RNFL): Impact of Putative Glial Reflectance; IOVS 2016: ARVO E-Abstract D0082
- Polster S, **King BJ**, Elsner AE, Johnston K, Papay JA, Burns SA. Imaging and Quantifying Surviving Photoreceptors within Areas of Geographic Atrophy in Patients with Age-related Macular Degeneration; Heart of America Contact Lens Society and Primary Eye Care Congress – Feb 13, 2016
- Polster S, Grogg JA, **King BJ**. Neurotrophic Keratopathy: Do you hear me? American Academy of Optometry Residency Day 2015
- Venezia, LA, Begley CG, Situ P, **King BJ**, Jedlicka JG. A New Method for Assessing Tear Turnover; American Academy of Optometry Oct 8, 2015
- Cheung H, **King BJ**, Gast TJ. Detecting Presumed Activated Retinal Astrocytes and Muller Cells in Glaucoma Patients Using Spectral Domain Optical Coherence Tomography; American Academy of Optometry Oct 9, 2015
- **King BJ**, Alluwimi MS, Swanson WH, Malinvosky V, Grogg JA, Sutton B. Inter-observer Comparison of Structure (En Face RNFL Grading) to Function (Visual Field Locations) in Patients with Glaucoma; IOVS 2015:ARVO E-Abstract 1990
- Alluwimi MS, **King BJ**, Swanson WH. Application of Normative Values to Improve Macular Asymmetry Analysis in Glaucoma; IOVS 2015: ARVO E-Abstract 5276
- Cheung H, **King BJ**, Gast TJ. A Retrospective Review of Optical Coherence Tomography Images of Presumed Activated Retinal Astrocytes and Muller Cells in Glaucoma Patients; Heart of America Contact Lens Society and Primary Care Congress – Feb 13, 2015
- Yeh F, **King, BJ**. Use of ProKera and a Scleral Lens in a Patient with Severe HSV Keratitis; Global Specialty Lens Symposium - January 2015
- **King BJ**, iStent Study Group. iStent: Safety and Efficacy of Multiple Stents; American Academy of Optometry – Nov 14, 2014
- Alluwimi MS, Swanson WH, **King BJ**. Investigation of the retinal nerve structure in living human eyes; Imaging and Perimetry Society – Sept 12, 2014
- **King BJ**, Sapoznik K, Elsner A, Gast T, Burns SA. Outer Retinal Tubulation Observed with SD-OCT and AOSLO; IOVS 2014: ARVO E-Abstract 3401
- Sapoznik KA, **King BJ**. A Retrospective Review of Optical Coherence Tomography Images to Determine the Prevalence of Outer Retinal Tubulation in Patients with Chronic Retinal Disease; Heart of America Contact Lens Society and Primary Care Congress – Feb 2014

- **King BJ**, Tauber J., ACOAT Study Group Efficacy of Nedocromil Sodium 2% Ophthalmic Solution in Menopausal Women with Allergic Conjunctivitis: Results from a Community-based Trial; ARVO 2003

### Paper Presentations

- Kalas KG, Sapoznik KA, Burns SA, **King BJ**. Comparing Retinal Arteriole Structural Measurements in Subjects with Glaucoma to Control Participants Using AOSLO; OVS 2020 E-Abstract 200048
- Jung HE, Kurokawa K, Hinely JC, Crowell JA, Zhang F, **King BJ**, Swanson WH, Miller DT. Method to evaluate spatial dynamics of inner retinal neurons near arcuate scotomas in glaucomatous patients; SPIE Photonics West 2020 Paper 11218-44
- **King BJ**, Gast TJ, Sapoznik KA, Burns SA. In Vivo Adaptive Optics Gonioscopy of the Human Trabecular Meshwork in Controls and Subjects with Pigmentary Dispersion Syndrome; AAO Hot Topics Special Event – OVS 2018 E-Abstract SE-05 (3024970)
- Alluwimi M, Swanson WH, **King BJ**. Refining a Basis for Customizing Perimetric Locations within the Macula using Custom Perimetric Stimuli and Montaged Images; OVS 2018 AAO E-Abstract P06
- **King BJ**, Klemencic S, Chaglasian M, Teitelbaum B, Grogg JA, Peabody T, Clark CA, Speilburg A, Swanson WH. Assessing Contributions of En Face RNFL Reflectance Measurements in Clinical Decision Making; OVS 2018: OVS E-Abstract P-06 (3024346)
- **King BJ**, Swanson WH, Ashimatey BS. Comparing RNFL depth of defect across multiple types of perimetric stimuli; North American Perimetry Society: Oct 31, 2017
- **King BJ**, Swanson WH. Developing Indices for Detecting Glaucomatous Defects Using En Face RNFL Thickness; OVS 2017: AAO E-Abstract 3913
- Elsner AE, Gast TJ, Jones D, Haggerty B, **King BJ**, Clark CA, Clendenon J, Litvin T, Ozawa G, Cuadros J, Muller M. Grading Color Fundus Images in Underserved Diabetics; OVS 2017: AAO E-Abstract 3918
- Alluwimi MS, Swanson WH, Malinovsky VE, **King BJ**. A basis for customizing perimetric locations at the macula in patients with glaucoma; IOVS 2017: ARVO E-Abstract 4259
- **King BJ**, Cheung H, Swanson WH, Burns SA. Evaluating Automated Capillary Density Maps Using AOSLO in Patients with Glaucoma Compared to Age-Similar Controls; American Academy of Optometry – Hot Topics in Glaucoma Special Event Nov. 10 2016
- Hartwick A, Clark CA, VanNasdale D, **King BJ**, Yuhas P, Elsner AE, Burns SA. Pupil Responses Evoked by Targeted Light Stimulation of the Fovea and Peri-Macular Region; American Academy of Optometry 2016
- Burns SA, Elsner AE, **King BJ**, Sapoznik KA, Othman H, Sawides L, Gast TJ. In Vivo Changes in Diabetic Retinopathy; ISER 2016

- Elsner AE, Papay JA, **King BJ**, Sapoznik KA, Johnston KD, Sawides L, De Castro A, Jones DW, Gast TJ, Burns SA. Cone survivability in aging and age-related macular degeneration and the neural economy hypothesis; ISER 2016
- Elsner AE, Papay JA, Johnston KD, **King BJ**, Polster SL, Chui TY, Burns SA. Aging, age-related macular degeneration, and the neural economy hypothesis; IOVS 2016: ARVO E-abstract 2801
- **King BJ**, Alluwimi MS, Swanson WH, Malinovsky V, Grogg JA, Sutton BM. Using En Face and Circumpapillary OCT to Predict Functional Loss in Patients with Glaucoma; American Academy of Optometry Hot Topic Special Event – Oct 8, 2015
- **King BJ**, Elsner AE, Sapoznik KA, Papay JA, Gast TJ, Clark CA, Burns SA. Comparison of Inner Retinal Thickness Over and Adjacent to Outer Retinal Tubulation; American Academy of Optometry – Nov 13, 2014
- Elsner AE, Papay JA, **King BJ**, Gast TJ, Sawides L, De Castro A, Burns SA. Imaging of Sparse Photoreceptors in the Scleral Crescent; American Academy of Optometry – Nov 13, 2014
- Alluwimi MS, **King BJ**, Swanson WH. Improving Asymmetry Analysis for Detecting Glaucomatous Damage to the Macula; American Academy of Optometry – Nov 12, 2014
- Stiles, M, **King BJ**. Use of Anti-Inflammatories with Selective Laser Trabeculoplasty, American Society of Cataract and Refractive Surgeons. – Apr 7, 2008
- Tornambe PE, Fox GM, Poliner LS, **King BJ**, Whitsell RS, LaVange LM, Kellerman DJ, Peterson WM. A Double-masked, Randomized, Placebo-controlled, Dose-escalating Study of a Single Intravitreal Injection of INS37217 in subjects with retinal detachments; Association for Research in Vision and Ophthalmology May 6, 2003

### Continuing Education / Invited Talks

- Optometric Glaucoma Society, October 22, 2019. Invited speaker. “Adaptive Optics Gonioscopy of the Human Trabecular Meshwork *In Vivo*”
- Schnurmacher Institute for Vision Research Colloquia, SUNY College of Optometry – May 17, 2019. Invited speaker. “Adaptive Optics Gonioscopy of the Human Trabecular Meshwork *In Vivo*”
- Indiana Optometric Association Fall Seminar – October 2018. Invited speaker. “Laser Procedures for Narrow and Closed Angles”
- American Academy of Optometry – October 13, 2017. Invited speaker. Vision Science SIG: Blood Flow in Retinal Disease and Glaucoma Management, Understanding Tissue Oxygenation, and Clinical Applications

- Heart of America Eye Care Conference – February 10-12, 2017. Invited speaker providing 6 hours of glaucoma continuing education
- Indiana Optometric Association Winter Seminar – February 8, 2017. Invited speaker “The Normal Tension Glaucoma Patient?”
- Millennial Eye Live: 1<sup>st</sup> Annual Intrepid Symposium - Oct 28, 2016 Invited panelist for discussion on current state of MIGS
- Borish Symposium Indiana University – Mar 5, 2016 Moderator/Panel Member “Eye Care Practitioners leading the fight against diabetes”
- Indiana Optometric Association – Oct 7, 2015 Invited Speaker “The Normal Tension Glaucoma Patient?”
- Borish Symposium Indiana University - April 2015 Moderator “Treatment of Ocular Surface Disease Evidence and Best Practices of Today and Tomorrow – the science behind how we treat and manage ocular surface disease”
- American Academy of Optometry – Nov 15, 2014 “Cases in Normal Tension Glaucoma Management: point-counterpoint discussion”
- San Diego Optometric Society – June 19, 2014 Invited Speaker “Advances in Laser and Surgical Treatments for Glaucoma”
- SECO – Invited speaker March 2014 provided 3 lectures on glaucoma
- American Academy of Optometry annual convention – October 27, 2012 “The Search for Blebless Glaucoma Surgery”
- Missouri Optometric Association Legislature Conference – January 11, 2010. Invited Speaker “Not the Usual Suspects: Glaucoma other than Primary Open Angle”
- Indiana Optometric Association annual meeting – April 20, 2007, Invited Speaker. “Advances in Laser and Surgical Treatments for Glaucoma”; “Cases in Normal-Tension Glaucoma”
- Optometric Society of Greater Kansas City – December 2006, “Advances in Laser and Surgical Techniques for Glaucoma”.
- American Academy of Optometry annual convention – December 2005, “Current & Investigational Treatment Options for Diabetic Retinopathy”
- Midwest Vision Expo – May 2005, Invited Speaker. “Macular Lesions and Disorders other than ARMD”, “Current and Investigational treatments for Diabetic Retinopathy”, “Antiangiogenesis: the new frontier in eye care”
- Missouri Optometric Association Spring CE – April 2005, Invited Speaker. “Penetrating Keratoplasty & Follow-up Through the First Year”, “Anti-angiogenesis – The New Frontier in Eye Care”, “Management of Macular Epiretinal Membranes”, Macular Lesions & Disorders

Other Than ARMD”, “Current & Investigational Treatment Options for Diabetic Retinopathy”, “Retinal Detachments: Clinical Considerations & Treatment Options”

- American Academy of Optometry – December 11, 2004, “Recent & Ongoing Clinical Trials in Eye Care”, B. King, M. Depaolis, L. Cantania, M. Fingerett
- Missouri Optometric Association Annual Convention – October 2004, Invited Speaker “Investigational Treatment Options for Diabetic Retinopathy”
- American Academy of Optometry Global Pacific Rim Meeting – April 3, 2004, “Investigational Treatment Options for Diabetic Retinopathy”
- American Academy of Optometry Global Pacific Rim Pre-Meeting – March 30, 2004, “Current Concepts in Retinal Disease” Symposium Moderator: R. Weisbarth, Presenters: B. King, R. Ballinger, C. Pelino
- Heart of America Contact Lens & Primary Care Congress – February 2004, Invited Speaker. Provided 6 hours of continuing education
- American Academy of Optometry – December 7, 2003, “Retinal Detachments: Clinical Considerations and Treatment Options”
- American Academy of Optometry – December 6, 2003, “Important Ongoing/Recent Clinical Trials in Eye Care”; B.J. King, M. Depaolis, L. Catania
- National Wal-Mart meeting – January 31, 2003, Invited Speaker. “Macular Lesions and Disorders: other than ARMD”
- American Academy of Optometry – December 12, 2002, “Retinal Detachments: Which Procedure and What to Expect”
- Kansas City Optometric Society - September 9, 2002, “Current and Investigational Treatments for Macular Edema”
- Kansas City Optometric Society – February 5, 2001, “Update on Treatments for Complications of Diabetic Retinopathy”
- Missouri Optometric Association annual convention – October 9, 2000, Invited Speaker. “Update on Treatments for ARMD”
- American Society of Cataract and Refractive Surgeons – CRS meeting – April 9, 1999. Invited Speaker, “Implementing Clinical Research in a Busy Refractive Practice”
- Terrace, British Columbia optometric continuing education – January 17, 1999 Invited Speaker. “Co-management of Intrastromal Corneal Ring Segments”

### **Teaching – Residents and Graduate Students**

2020-2021: Ocular disease resident – Mary Marte, OD

2020: Qualifying exam and Thesis committee member PhD candidate – Ayoub Lassoued  
King, BJ

2019-2020: Ocular disease resident – Konstatina Kalas, OD  
2019: Qualifying exam committee member PhD candidate – Hin Cheung, OD  
2018-2019: Ocular disease resident – Leslie Collins, OD  
2018: Qualifying exam committee member PhD candidate – Kaitlyn Sapoznik, OD  
2018: Master thesis committee member – Madeline Graber, OD  
2017-2018: Ocular disease resident – Stephanie Fisher, OD  
2016-2017: Ocular disease resident – Michael DeWit, OD  
2015-2016: Ocular disease resident – Samantha Polster, OD  
2014-2015: Ocular disease resident – Hin Cheung, OD  
2013-2014: Ocular disease resident – Kaitlyn Sapoznik, OD  
2011-12: Glaucoma Fellow at Stiles Eye Care Excellence – Ann Stechshulte, MD

### **Teaching – Residents’ and Graduate Students’ Awards**

2019: Hin Cheung, OD: Ezell Fellow  
2019: Leslie Collins, OD: Heart of America: Grand Prize outstanding poster submission  
2018: Kaitlyn Sapoznik, OD: Ezell Fellow  
2016: Samantha Polster, OD: Heart of America: Grand Prize outstanding poster submission  
2015: Hin Cheung, OD: Heart of America: Grand Prize outstanding poster submission  
2014: Kaitlyn Sapoznik, OD: Heart of America: Grand Prize outstanding poster submission

### **Professional Service**

2020 – Present: Peer Reviewer for Scientific Reports, Nature  
2019: Peer Reviewer for Ophthalmic Genetics  
2019: Poster Moderator – IOP Measurement. ARVO 2019  
2018 – Present: Peer Reviewer for Ophthalmic and Physiological Optics  
2018: Peer Reviewer for Journal of King Saud University – Computer and Information Sciences  
2018: Poster Moderator – Imaging Technologies and Applications I. ARVO 2018  
2017: Peer Reviewer for Clinical Ophthalmology  
2016-Present: Scientific Program Committee – American Academy of Optometry  
2016: Peer Reviewer for Canadian Journal of Ophthalmology  
King, BJ



2016-Present: Peer Reviewer for PLOS ONE

2015-2018: Executive Committee Diplomatic Liaison to Schools and Colleges of Optometry – Intrepid Eye Society

2013-Present: Peer Reviewer for Optometry and Vision Science

2013-14: President – Heart of America Contact Lens Society and Primary Eye Care Congress

2012 - 2017: NBEO Continued Professional Development in Optometry Exam Development Committee

2012 - 2017: NBEO Continued Professional Development in Optometry Exam Development Council

2009 – 2013: Education Committee Member – Missouri Optometric Association

2009 – 2016: Director – Heart of America Contact Lens Society and Primary Eye Care Congress

2003-2004: Missouri Optometric Association Trustee – Kansas City Society

2003-04: President – Optometric Society of Greater Kansas City

2002-03: Vice President – Optometric Society of Greater Kansas City

2000-01: Secretary/Treasurer – Optometric Society of Greater Kansas City

2002-05: Member of the UMSL College of Optometry Advisory Board

2002: Member of the House of Delegates for the AOA Annual Convention

2002: Clinical Examiner for the National Board of Examiners in Optometry

2000 – 2004: Chair of the New Technology Committee for the MOA

### **University/School Service**

2019 – Present: Founding faculty mentor of the IUSO Ocular Disease Club

2019 – 2021: Faculty Presider (elected)

2019 – Present: Awards Committee

2018 – Ocular Surface Disease Search and Screen Committee NTT

2018 – 2019: Chair - Peer Merit Review Committee

2016 – Ocular Surface Disease Search and Screen Committee

2016 – Co-chair of ad hoc committee: Response to IUB on NTT Affairs

2016 – Present: Chief of Advanced Ocular Care Service

2016 – Present: Ocular Disease Residency Coordinator  
2015 – 2018: Faculty Agenda Committee (elected)  
2015- 2016: Peer Merit Review Committee  
2015 – Present: Borish Scholar Committee  
2014-2015: IUSO Biology Search and Screen Committee  
2014-2017: Admissions Committee  
2013- 2018: Clinical Quality Assurance Committee

### **Community and Public Service**

Mission of Sight – Jamaica 2016, 2017  
VOSH – IUSO Mexico 2014, Jamaica 2015, 2017  
2004-2006: Rotary  
2000-2004: Turner House Clinic for Children

### **Professional Honors and Awards**

2019-2020: Third Year Professor of the Year - IUOSA  
2015-2016: Third Year Professor of the Year – IUOSA  
2013: Beta Sigma Kappa Research Fellowship – American Optometric Foundation  
2003: Young OD of the Year – Missouri Optometric Association

### **Professional Affiliations/Organizations**

Member of the Optometric Glaucoma Society  
Fellow of the American Academy of Optometry  
Member of the Association for Research in Vision and Ophthalmology  
Member of the Heart of America Eye Care Congress  
Founding Member of the Intrepid Eye Society

### **Licensure/Certifications**

Board Certification in Optometry – NBEO-BC May 2014  
Laser Certification – Oklahoma School of Optometry 2014  
Board Certified in Medical Optometry – American Board of Certification in Medical Optometry  
January 2012  
  
Therapeutic optometry license in Indiana