

**Blake K. Williamson, MD, MPH, MS**  
**The Williamson Eye Center**  
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## ***EDUCATION & TRAINING***

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### **Williamson Eye Center**

**Baton Rouge, LA**

*Fellowship- Refractive Cataract and Complex Anterior Segment Surgery*

*Mentor: Dr. Charles Williamson*

### **Tulane University Medical Center**

**New Orleans, LA**

*Residency- Department of Ophthalmology*

### **Tulane University Medical Center**

**New Orleans, LA**

*Internship- Department of Internal Medicine*

### **Louisiana State University Health Sciences Center**

**New Orleans, LA**

*Medical Doctor (MD)*

*President, Ophthalmology Interest Group*

### **Johns Hopkins University School of Public Health**

**Baltimore, MD**

*Masters of Public Health (MPH)*

*Director of Community Outreach, Ophthalmology Interest Group*

*Thesis- Descriptive Epidemiology of Ocular Biometry and Associations with  
Refractive Error in the Baltimore Pediatric Eye Disease Study*

### **Harvard University Summer Institute**

**Seoul, South Korea**

*Study Abroad: Certificate in Korean Literature*

### **Columbia University, College of Physicians and Surgeons**

**New York, NY**

*Masters of Science (MS)*

### **Institut Catholique de Paris**

**Paris, France**

*Study Abroad: Certificate in French Language*

**The University of Mississippi**

**Oxford, MS**

*Bachelor of Liberal Arts (BA) in Psychology and Chemistry*

*Magna Cum Laude*

***WORK EXPERIENCE***

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**The Williamson Eye Center**

**Baton Rouge, LA**

*Comprehensive Ophthalmology and Anterior Segment Surgeon*

**Physician Consultant and Key Opinion Leader**

*Alcon, Allergan, Bausch and Lomb, Biotissue, Diopsys, Glaukos, New World Medical*

**Tulane Medical Center**

**New Orleans, LA**

*Resident Physician; Dept. of Ophthalmology*

**PREVIOUS VOLUNTEERISM:**

**Tulane University Charity Eye Camp**

**Bogalusa, La**

*Physician Volunteer*

**Unite For Sight/Dr Shroff's Charity Eye Clinic**

**New Delhi, India**

*Ophthalmology Global Impact Fellow*

**The American Diabetes Association**

**Baton Rouge, LA/Baltimore, MD**

*Diabetic Retinopathy Workshop Lecturer*

**Ophthalmology Interest Group: "Tears for Troops"**

**Baghdad, Iraq**

*Project co-Coordinator*

**Camp Tiger for Disabled Children**

**New Orleans, LA**

*Team Coordinator*

**Columbia University New York Presbyterian Hospital**

**New York, NY**

*Emergency Room Orderly*

**Columbia University Mailman School of Public Health**  
**New York, NY/New Orleans, LA**  
*Operation Assist- Volunteer Researcher/Interviewer*

## **ACADEMIC HONORS/RESEARCH & PRESENTATIONS**

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### **HONORS & ORGANIZATIONS:**

#### *Professional*

- *Member; The American Academy of Ophthalmology*
- *Member; The American Society of Cataract and Refractive Surgery*
- *Board of Directors; Louisiana Academy of Eye Physicians & Surgeons*

#### *Residency*

- *Winner; 2015 O'Brien Alumni Symposium best resident research and presentation*
- *Winner; 2014 O'Brien Alumni Symposium best resident research and presentation*

#### *Post-graduate and Medical School*

- *Director of Community Outreach, Johns Hopkins School of Medicine Ophthalmology Interest Group*
- *Member, Johns Hopkins EYES Public Health Ophthalmology Group*
- *President, LSU Ophthalmology Interest Group*
- *Member, American Medical Student Association*
- *Member, American Medical Association*

#### *Undergraduate*

- *Magna Cum Laudee; The University of Mississippi*
- *The United States of America's National Deans List (denoting student is in the top 1% of the nation's 2005 graduating class).*
- *Winner of the B.H. Richardson Pre-Medical Scholarship at the University of Mississippi.*
- *The National Society of Collegiate Scholars.*
- *The Wharton School at The University of Pennsylvania's Leadership Honors Seminar Invitee.*
- *Golden Key International Honor Society*
- *Dean's List or Chancellor's List at The University of Mississippi every semester.*
- *Vice President, Alpha Epsilon Delta Premedical National Honor Society*

## **RESEARCH & PUBLICATIONS:**

1. *“On the Edge: Children and Families Displaced by Hurricanes Katrina and Rita Face a Looming Medical and Mental Health Crisis”*- (April 17, 2006) Advanced Team Coordinator, National Center for Disaster Preparedness & Operation Assist  
Principal Investigators: David Abramson, PhD MPH & Richard Garfield, RN DrPH

2. *“Evacuee Study Finds Declining Health”* by: Shaila Dewan  
*The New York Times*- (April 18, 2006)

Note: Article written about “Operation Assist” described in 1

3. LSU Eye Center- (2007) Measuring tear film breakup time in rabbits to establish ranking of different commercial dry eyesolutions- Lab Technician  
Faculty Mentor: Dr. Jean Jacob

4. LSU Eye Center- (2008) Harvesting corneal epithelial cells from rabbits for cloning- Lab Technician  
Faculty Mentor: Dr. Jean Jacob

5. Johns Hopkins Wilmer Eye Institute Dana Center for Preventive Ophthalmology  
Capstone- Descriptive epidemiology of ocular biometry and associations with refractive error in the Baltimore Pediatric Eye Disease Study (2010)  
Faculty Mentor: Dr. David Friedman

6. Johns Hopkins Wilmer Eye Institute (Research in progress)  
Using OCT and HRT to determine effects of intracranial pressure lowering on lamina cribrosa changes and optic disc cupping in patients with normal pressure hydrocephalus-  
Faculty Mentor: Dr. Prem Subramanian

7. Tulane Ophthalmology O’Brien Annual Symposium (2013)  
Gestational tobacco exposure and its effects on refractive error  
Faculty Mentor: Dr. Robert Gordon

8. Tulane Ophthalmology O’Brien Annual Symposium (2014)  
The Ahmed Glaucoma Valve and its Effect on the Aqueous Humor Bioenvironment  
Faculty Mentor: Dr. Ramesh Ayyala

9. Tulane Ophthalmology O’Brien Annual Symposium (2015)  
Using Aqueous Metabolomics and Chemical Fingerprinting to Elucidate Post Glaucoma Drainage Device Corneal Decompensation in a Rabbit Model  
Faculty Mentor: Dr. Ramesh Ayyala

## **PRESENTATIONS:**

- 1) *“NAD Protection: A Localized Mechanistic Role in Slowing the Teleological Degeneration of Transected Axons”*. Columbia University September 30, 2005.
- 2) *“DHEA, IGF1, Alendronate: Auspicious Roles in the Treatment of Eating Disorders”*. Columbia University November 5, 2005.
- 3) *“Cyclic Adenosine Monophosphate: Probing the Induced Espousal to Retinol Binding Protein Gene Transcription”*. Columbia University December 9, 2005.
- 4) *“ABCG1: Understanding its Mechanistic Role in Cholesterol Effluxion to High Density Lipoproteins”*. Columbia University December 20, 2005.
- 5) *“Parathyroid Hormone and Vitamin D3: Maintaining Calcium/Phosphate Equilibria by Virtue of Autonomous and Collaborative Regulatory Processes”*. Columbia University January 23, 2006.
- 6) *“Ophthalmic Care Transitions: Aberrations in Treatment Modalities and Access to Care Issues for Homeless People Living with Diabetic Retinopathy”*. Columbia University February 17, 2006.
- 7) *“Ascorbic Acid: Its Capacity as a Chemopreventive Anti-Oxidant for Prostate Cancer”*. Columbia University March 1, 2006.
- 8) *“Lutein: Distinct Protective Roles in Macular Degeneration”*. Columbia University April 11, 2006.
- 9) *“The Demand for Change in Global Health Care Systems to Address Worldwide Economic Transitions and the Escalating CVD Pandemic”*. Columbia University May 5, 2006.
- 10) *“Analysis of Current Treatment Options for Candidal Endophthalmitis”*. Louisiana State University September 14, 2008.
- 11) *“Retinopathy: What You Need to Know if You Have Diabetes”*. American Diabetes Association November 7, 2008.
- 12) *“Ruptured Globe and Retinal Detachment Repair”*. Louisiana State University February 27, 2009.
- 13) *“Pregnancy and Vision: How Diabetic Retinopathy Can Worsen During Gestation”*. Louisiana State University May 12, 2009.
- 14) *“Mandated Screening for Diabetic Retinopathy During Pregnancy at a New Orleans Hospital: A Novel Program to Decrease Vision Loss in Louisiana Moms”*. Johns Hopkins University December 20, 2009.
- 15) *“Descriptive epidemiology of ocular biometry and associations with refractive error in the Baltimore Pediatric Eye Disease Study”*  
Johns Hopkins Wilmer Eye Institute Dana Center for Preventive Ophthalmology Capstone- July 2009
- 16) *“Penetrating Fishhook Injuries of the Cornea: Themes and Treatment”*. UT Hamilton Eye Institute Grand Rounds November 15, 2010.

- 17) *“Gestational tobacco exposure and its effects on refractive error”*. Tulane Ophthalmology Annual O’Brien Symposium. 2013.
- 18) *“The Ahmed Glaucoma Valve and its Effect on the Aqueous Humor Bioenvironment”*. Tulane Ophthalmology Annual O’Brien Symposium. 2014.
- 19) *“Using Aqueous Metabolomics and Chemical Fingerprinting to Elucidate Post Glaucoma Drainage Device Corneal Decompensation in a Rabbit Model”*. Tulane Ophthalmology Annual O’Brien Symposium. 2014.
- 20) *“Optimizing outcomes with Crystalens and Trulign”*. American Society of Cataract and Refractive Surgery Meeting. New Orleans, LA. May 9, 2016.
- 21) *“iStent: Introducing a breakthrough in glaucoma treatment”*. Course Director for Glaukos Optometric CE Event. Baton Rouge, LA. June 23, 2016.