

Jacob Wellington Brubaker

1515 River Park Drive, Suite 100, Sacramento CA, USA 95815

Phone: (916) 649-1515 • E-mail: jbrubaker@SacEye.com

EDUCATION

Glaucoma Fellowship:	2012 - 2013 Dean McGee Eye Institute, University of Oklahoma, Oklahoma City, Oklahoma
Ophthalmology Residency:	2009 - 2012 University of Missouri, Columbia, Missouri
Internal Medicine Internship:	2008 - 2009 University of Utah, Salt Lake City, Utah
Pre-Residency Fellowship:	2007 - 2008 University of Utah, Salt Lake City, Utah (ophthalmic pathology)
Medical:	2003 - 2007 M.D. McGill University, Montreal, Quebec
Undergraduate:	1997 - 2003 B.A. History Brigham Young University, Provo, Utah

SPECIAL AWARDS AND HONORS

June 2012	University of Missouri Resident and Alumni Day Award for Silver Medal Research Project <ul style="list-style-type: none">• Vorinostat glaucoma trabeculectomy treatment trial
June 2011	University of Missouri Resident and Alumni Day Award for Silver Medal Research Project <ul style="list-style-type: none">• Sclera-Cornea Intraocular Pressure Extrapolation Study
May 2010	Resident Award for Annual Highest Ophthalmic Knowledge Assessment Program Score University of Missouri
April 2008	ASCRS Best Paper of Session <ul style="list-style-type: none">• Stability of A Novel Photochromic IOL after a Simulated 20 Years in the Eye using a Nd:YAG Laser Exposure Test
May 2007	ARVO poster Travel Award <ul style="list-style-type: none">• Correlation between visual acuity and optical coherence tomography features in patients with age-related macular degeneration using a novel protocol

- July 2004 **Anatomy Prosection Research Award, McGill University, Dr Ayman Behiery**
- 2002 – 2003 **Roy Richins Scholarship**, Brigham Young University
- 2001 – 2003 **Deans List**, Brigham Young University
- 1997 - 1998 **John Dunn Scholarship**, Brigham Young University

RESEARCH

- May 2011 **Research Assistant, University of Missouri, Department of Ophthalmology,**
-June 2012 **Rajiv R. Mohan, PhD**
- The use of novel inhibitors of fibrosis in glaucoma filtration surgery
- Oct-Nov 2006 **Research Assistant, University of Southern California, Department of**
 Ophthalmology, Srinivas Sadda, MD
- Advanced retinal imaging technologies: the utility of optical coherence tomography in predicting visual acuity in age related macular degeneration
- 2001 – 2003 **Research Assistant, Brigham Young University, Department of**
 Physiology and Developmental Biology, R. Ward Rhees, PhD
- Steroid hormone-brain interactions: the effect of phytoestrogen on neurological and behavioral development

PUBLICATIONS

Brubaker JW, Sarkisian SR. Update on malignant glaucoma. *Glaucoma Today*. October 2012

Brubaker JW, Harrie RP, Patel BC, Davis DK, Mamalis N. CT and Orbital Ultrasound Findings in a Case of Castleman Disease. *Ophthal Plast Reconstr Surg*. 2011; 27: 37-9

Cutler Peck CM, **Brubaker J**, Clouser S, Danford C, Edelhauser HE, Mamalis N. Toxic anterior segment syndrome: common causes. *J Cataract Refract Surg*. 2010; 36:1073-80.

Mamalis N, Grossniklaus HE, Waring GO 3rd, Werner L, **Brubaker J**, Davis D, Espandar L, Walker R, Thyzel R. Ablation of lens epithelial cells with a laser photolysis system: histopathology, ultrastructure, and immunochemistry. *J Cataract Refract Surg*. 2010; 36:1003-10.

Agarwal A, **Brubaker JW**, Mamalis N, Dhivya A, Soosan J, Sujatha C, Agarwal A, Alessandro M. Femtosecond assisted lamellar keratoplasty (FALK) in Avellino corneal dystrophy. *Eye Contact Lens*. 2009; 35:272-4

Brubaker JW, Bale Jr JF, Ampofo K, Dries DC. Congenital cytomegalovirus infection: progressive post-natal chorioretinitis. *J Pediatr Ophthalmol Strabismus*. 2009; 49:249-51

Keane PA, Bhatti RA, **Brubaker JW**, Liakopoulos S, Sadda SR, Walsh AC. Comparison of clinically relevant findings from high-speed fourier-domain and conventional time-domain optical coherence tomography. *Am J Ophthalmol.* 2009; 148:242-248

Davis D, **Brubaker J**, Espandar L, Stringham J, Crandall A, Werner L, Mamalis N. Late in-the-bag spontaneous intraocular lens dislocation: evaluation of 86 consecutive cases. *Ophthalmology.* 2009; 116:664-70

Brubaker JW, Mohny BG, Pulido JS. Cystoid macular edema in a patient with chronic progressive external ophthalmoplegia with mitochondrial myopathy. *Ophthalmic Genet.* 2009; 30:50-3

Werner L, Tassignon MJ, Gobin L, Rozema J, Davis D, **Brubaker J.** Bag-in-the-lens: first pathological analysis of a human eye obtained postmortem. *J Cataract Refract Surg.* 2008; 34:2163-5.

Brubaker JW, Mohny BG, Pulido JS. Vitreous veils and radial lattice in Marshall syndrome. *Ophthalmic Genet.* 2008; 29:184-5

Mamalis N, **Brubaker JW**, Davis D, Espandar L, Werner L. Complications of foldable intraocular lenses requiring explantation or secondary intervention-2007 survey update. *J Cataract Refract Surg.* 2008; 34:1584-91.

Price MO, Baig KM, **Brubaker JW**, Price FW Jr. Randomized, prospective comparison of pre-cut vs. surgeon-dissected grafts for Descemet's stripping automated endothelial keratoplasty. *Am J Ophthalmol.* 2008; 146:36-41

Joeres S, Kaplowitz K, **Brubaker JW**, Updike PG, Collins AT, Walsh AC, Romano PW, Sadda SR. Quantitative comparison of optical coherence tomography after pegaptanib or bevacizumab in neovascular age-related macular degeneration. *Ophthalmology* 2008; 115:347-354

Mamalis N, **Brubaker JW**: Chapter: Anophthalmos. *eMedicine: Ophthalmology.* (<http://emedicine.medscape.com/article/1201354-overview>), 2010

PRESENTATIONS

Sharma A, **Brubaker JW**, Reyes M, Rodier JT, Tandon A, Mohan RR. Attenuation of Glaucoma Filtration Surgery-induced Scarring by an FDA-approved Histone Deacetylase Inhibitor, Suberoylanilide Hydroxamic Acid (SAHA). Invest Ophthalmol Vis Sci. 4481-D0221. ARVO May 8, 2013. (Poster)

Brubaker JW, Khaimi MA. Incidence and success rates of trabeculectomy with ExPress mini shunt following failed canaloplasty. Invest Ophthalmol Vis Sci. 4797 - D0181. ARVO May 8, 2013. (Poster)

Brubaker JW, Vorinostat glaucoma trabeculectomy treatment trial, Resident and Alumni Day Presentation University of Missouri, June 8, 2011 (Paper) *Silver Medal Prize*

Brubaker JW, Schoenleber D, Soni C, Fox JA, Reyes M, Sclera-Cornea Intraocular Pressure Extrapolation Study, ASCRS, April 21, 2012 (Paper)

Brubaker JW, Sclera-Cornea Intraocular Pressure Extrapolation Study, Resident and Alumni Day Presentation University of Missouri, June 3, 2011 (Paper) *Silver Medal Prize*

Brubaker JW, Histopathologic Analysis of DLEK, DSEK, DSAEK Failures, Resident and Alumni Day presentation University of Missouri, May 22, 2010 (Paper)

Mamalis N, **Brubaker JW**, Davis DK, Espandar L. ASCRS/ESCRS Survey on Foldable IOLS Requiring Explantation or Secondary Intervention: 2007 Update. AAO November 9, 2008. (Poster)

Brubaker JW, Espandar L, Davis DK, Wilcox C, Mamalis N. Stability of a novel photochromic IOL after simulated 20 years in the eye using Nd:YAG laser exposure test. ASCRS April 7, 2008. (Paper) *ASCRS Best Paper Of Session*

Espandar L, **Brubaker JW**, Davis DK, Mamalis N, Werner L. Evaluation of accommodating IOL in cadaver eye using a modified Miyake technique. ASCRS April 5, 2008. (Paper)

Mamalis N, **Brubaker JW**, Davis DK, Espandar L. ASCRS/ESCRS survey of foldable IOL's requiring explantation of secondary intervention—2007 update. ASCRS April 8, 2008. (Paper)

Mamalis N, Grossniklaus HE, Waring GO, **Brubaker JW**, Davis DK, Espandar L. Histopathologic analysis of ablation of lens epithelial cells with a laser photolysis system. ASCRS April 8, 2008. (Paper) *ASCRS Best Paper Of Session*

Romano P, Joeres S, Kaplowitz K, **Brubaker JW**, Updike P, Walsh AC, Sadda SR. Quantitative comparison of short-term anatomic response following pegaptanib versus bevacizumab treatment for neovascular age-related macular degeneration. Invest Ophthalmol Vis Sci. 270-B323. ARVO May 6, 2007. (Poster)

Brubaker JW, Joeres S, Kim LA, Sadda SR, Walsh AC. Differences in external limiting membrane visualization between Fourier domain and time domain optical coherence tomography. Invest Ophthalmol Vis Sci. 2618-B695. ARVO May 7, 2007. (Poster)

Wang M, Joeres S, **Brubaker JW**, Walsh AC, Sadda SR. Correlation between visual acuity and optical coherence tomography features in patients with age-related macular degeneration using a novel protocol. Invest Ophthalmol Vis Sci. 5120-B268, ARVO May 10, 2007. (Poster) *ARVO travel award winner*

Joeres S, Kaplowitz K, **Brubaker JW**, Updike PG, Collins AT, Walsh AC, Romano PW, Sadda SR. Quantitative comparison of optical coherence tomography data following intravitreal bevacizumab, ranibizumab or pegaptanib treatment for neovascular age-related macular degeneration. DOG, Berlin, Germany 2007 (Poster)

VOLUNTEER ACTIVITIES

- Feb 2010 Ophthalmology medical mission and disaster relief, Port-au-Prince, Haiti
- Dec 2004 Clinical humanitarian service, Koussanar, Senegal, Africa
- 1998 - 2000 Official Representative, The Church of Jesus Christ of Latter-day Saints,
Quebec, Canada

WORK EXPERIENCE

- 2013 - present Physician and Surgeon, Grutzmacher, Lewis & Sierra, Surgical Eye Specialists
- 2007-2008 Recovery Technician, Utah Lions Eye Bank
- Summer 2004 Website Developer, "Clinical Hematology" Student Study Tool
Molson Medical Informatics, McGill University

HOBBIES AND INTERESTS

Mountain biking, water skiing, downhill and cross-country skiing, backpacking, hiking, camping, cooking, gardening and landscaping, photography, movie editing, speaking and improving my french, travel, attending art museums, spending time with my family.

LANGUAGES

English: mother tongue

French: spoken