

John Furman Payne, MD

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Lexington, SC 29072

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jpayne@palmettoretina.com

PROFESSIONAL EXPERIENCE

August 2012 – Present

Palmetto Retina Center, LLC
124 Sunset Court
West Columbia, SC 29169

April 2015 – Present

Palmetto Retina Center, LLC – Florence
400 North Cashua Drive
Florence, SC 29501

August 2012 – Present

Palmetto Health System/University of South Carolina
Associate Clinical Professor
9 Medical Park Road
Columbia, SC 29203

August 2012 – April 2015

Carolina Centers for Sight, PC
400 North Cashua Drive
Florence, SC 29501

POSTGRADUATE TRAINING

July 2010 – June 2012

Emory University; Atlanta, GA
Vitreoretinal Surgery Fellowship

July 2009 – June 2010

Emory University; Atlanta, GA
Chief Resident

July 2007 – June 2010

Emory University; Atlanta, GA
Ophthalmology Residency

July 2006 – June 2007

Trident Medical Center; Charleston, SC
Transitional Year Internship

EDUCATION

August 2002 – May 2006

Medical University of South Carolina; Charleston, SC
Doctor of Medicine
Magna cum laude

August 1998 – May 2002

Clemson University; Clemson, SC
Bachelor of Science, Chemistry
Magna cum laude

PEER-REVIEWED PUBLICATIONS

1. Wykoff CC, Ou WC, Brown DM, Croft DE, Wang R, **Payne JF**, Clark WL, Abdelfattah NS, Satta SR. Randomized Trial of Treat and Extend versus Monthly Dosing for Neovascular

Age Related Macular Degeneration: TREX-AMD 2-Year Results. *Ophthalmology Retina* 2017; epub ahead of print.

2. **Payne JF**, Wykoff CC, Clark WL, Bruce BB, Boyer DS, Brown DM, TREX-DME Study Group. Randomized Trial of Treat and Extend Ranibizumab with and without Navigated Laser for Diabetic Macular Edema: TREX-DME 1 year Outcomes. *Ophthalmology* 2016; epub ahead of print.
2. Wells JA, Glassman AR, Jampol LM, et al., **Diabetic Retinopathy Clinical Research Network**. Association of Baseline Visual Acuity and Retinal Thickness With 1-Year Efficacy of Aflibercept, Bevacizumab, and Ranibizumab for Diabetic Macular Edema. *JAMA Ophthalmol* 2016;134(2):127-134.
3. Zhang L, Li Y, **Payne JF**, Srivastava SK, Fan X, Fung J, Li X, Kern TS, Lin F. Presence of Retinal Pericyte-Reactive Autoantibodies in Diabetic Retinopathy Patients. *Sci Rep* 2016;6:20341.
4. Patterson M, Bergstrom CS, Clark WL, Grossniklaus HE, **Payne JF**. Severe Panuveitis, Retinal Vasculitis, and Optic Disc Granuloma Secondary to Sarcoidosis. *Retin Cases Brief Rep* 2016;10(4):341-344.
5. Wykoff CC, Croft DE, Brown DM, Wang R, **Payne JF**, Clark L, Abdelfattah NS, Sadda SR, TREX-AMD Study Group. Prospective Trial of Treat-and-Extend versus Monthly Dosing for Neovascular Age-Related Macular Degeneration: TREX-AMD 1-year results. *Ophthalmol* 2015;122(12):2514-2522.
6. **Diabetic Retinopathy Clinical Research Network**, Wells JA, Glassman AR, Ayala AR, et al. Aflibercept, Bevacizumab, or Ranibizumab for Diabetic Macular Edema. *N Engl J Med*. 2015;372(13):1193-1203.
7. Sawhney GK, **Payne JF**, Ray R, Mehta S, Bergstrom CS, Yeh S. Combination Anti-Vascular Endothelial Growth Factor and Corticosteroid Therapy for Idiopathic Retinal Vasculitis, Aneurysms and Neuroretinitis (IRVAN) Syndrome. *Ophthalmic Surg Lasers Imaging Retina* 2013;44(6):599-602.
8. Furtado JM, Davies MH, Choi D, Lauer AK, Appukuttan B, Bailey ST, Rahman HT, **Payne JF**, Stempel AJ, Mohs K, Powers MR, Yeh S, Smith JR. Imaging Retinal Vascular Changes in the Mouse Model of Oxygen-Induced Retinopathy. *Trans Vis Sci Tech* 2012;1:2,5.
9. **Payne JF**, Rahman HT, Grossniklaus HE, Bergstrom CS. Retinal Metastasis Simulating Cytomegalovirus Retinitis. *Ophthalmic Surg Lasers Imaging*. 2012;43:e90-93.
10. **Payne JF**, Ray R, Watson DG, Rimler E, Delille C, Cleveland J, Lynn MJ, Tangpricha V, Srivastava SK. Vitamin D Insufficiency in Diabetic Retinopathy. *Endocr Pract* 2012;18(2):185-93.
11. **Payne JF**, Bruce BB, Yeh S. Author Response: Retinal Thickness Measurement using OCT. *Invest Ophthalmol Vis Sci* 2012;53(2):854-5.
12. Kim J, **Payne JF**, Yan J, Barnes CS. Negative Electroretinograms in the Pediatric and Adult Population. *Doc Ophthalmol* 2012;124(1):41-8.
13. Jung CS, **Payne JF**, Bergstrom CS, Cribbs BE, Yan J, Hubbard GB, Olsen TW, Yeh S. Multimodality Diagnostic Imaging in Unilateral Acute Idiopathic Maculopathy. *Arch Ophthalmol* 2012;130(1):50-6.

14. **Payne JF**, Bruce BB, Lee LBK, Yeh S. Logarithmic Transformation of Spectral-Domain Optical Coherence Tomography Data in Uveitis-Associated Macular Edema. *Invest Ophthalmol Vis Sci* 2011;52(12):8939-43.
15. **Payne JF**, Tangpricha V, Cleveland J, Lynn MJ, Ray R, Srivastava SK. Serum Insulin-Like Growth Factor-I in Diabetic Retinopathy. *Mol Vis* 2011;17:2318-24.
16. **Payne JF**, Srivastava SK, Wells JR, Grossniklaus HE. Rosai-Dorfman Disease Simulating Nodular Scleritis and Panuveitis. *Arch Ophthalmol* 2011;129(4):518-20.
17. **Payne JF**, Hubbard GB, Aaberg TM Sr, Yan J. Clinical Characteristics of Hydroxychloroquine Retinopathy. *Br J Ophthalmol* 2011;95(2):245-50.
18. **Payne JF**, Bergstrom C, Yan J, Aaberg TM Sr, Srivastava SK. Residual Triamcinolone Acetonide Sequestered in the Fovea After Macular Hole Repair. *Retina* 2011;31(1):148-53.
19. **Payne JF**, Keenum DG, Sternberg P Jr., Thliveris A, Kala A, Olsen TW. Concentrated Intravitreal Amphotericin B for Fungal Endophthalmitis. *Arch Ophthalmol* 2010;128(12):1546-50.
20. **Payne JF**, Hutchinson AK, Hubbard GB, Lambert SR. Outcomes of Cataract Surgery Following Radiation Treatment for Retinoblastoma. *J AAPOS* 2009;13(5):454-458e.
21. Kelty PJ, **Payne JF**, Trivedi RH, Kelty J, Bowie EM., Burger BM. Macular Thickness Assessment in Healthy Eyes Based on Ethnicity using the STRATUS OCT Optical Coherence Tomography. *Invest Ophthalmol Vis Sci* 2008;49(6):2668-72.
22. Ledoux DM, Trivedi RH, Wilson ME, **Payne JF**. Pediatric Cataract Extraction with Intraocular Lens Implantation: Visual Acuity Outcomes When Measured at Four Years and Older. *J AAPOS* 2007;11(3):218-24.
24. **Payne JF**, Shields CL, Eagle RC, Shields JA. Orbital Lymphoma Simulating Thyroid Orbitopathy. *Ophthal Plast Reconstr Surg* 2006;22(4):302-04.
25. Squires CE, Escobar GP, **Payne JF**, Leonardi RA, Goshorn DK, Mingoia JT, Flack EC, Lindsey ML. Altered Fibroblast Function Following Myocardial Infarction. *J Mol Cell Cardiol* 2005;39(4):699-707.

PUBLICATIONS PENDING

1. Kozak I, **Payne JF**, Schatz P, Al-Kahtani E, Winkler M. Teleophthalmology image-based navigated retinal laser therapy for diabetic macular edema: A concept of retinal telephotocoagulation. (Submitted, *Ophthalmology*).
2. Iverson S, **Payne JF**. Multimodal Diagnostic Imaging of Toxic Maculopathy Secondary to Pitavastatin. (*In process*).
3. Menke B, Story S, **Payne JF**. Paradoxical Response to Topical Carbonic Anhydrase Inhibitor in X-linked Retinoschisis. (*In process*).

NON-PEER REVIEWED PUBLICATIONS

1. Wells J, Pearce W, **Payne JF**, Yeh S. Morning Rounds: The case of the pregnant woman with a visual disturbance. EyeNet. January 2016.
2. **Payne JF**, Clark WL. Computer-Navigated Laser for DME: How we got here. Retina Specialist. November 2013.

3. **Payne JF**, Clark WL. Intravitreal Aflibercept for Diabetic Macular Edema. *Retinal Physician*. January 2015.
4. **Payne JF**, Tangpricha V. Vitamin D and Diabetic Retinopathy. In: Preedy VR, ed. *The Handbook of Nutrition, Diet, the Eye and Vision*. London, England: Elsevier, Inc. New York, NY: Elsevier. 2014.
5. **Payne JF**, Hubbard GB, Olsen TW. General Considerations in Ophthalmic Surgery. In: Dodson T, Lubin M, Winawer N, eds. *Medical Management of the Surgical Patient: A Textbook of Perioperative Medicine*. 5th ed. Cambridge, MA: Cambridge University Press. 2013.
6. **Payne JF**, Srivastava SK. Cancer Associated Retinopathy. In: Garg S, Bogdagi B, Rathinam S, Sen N, Nussenblatt R, eds. *Uveitis: Color Atlas and Synopsis of Clinical Ophthalmology*. Philadelphia, PA: Lippincott Williams and Wilkens. 2011.

PRESENTATIONS

1. **Payne JF**, Wykoff CC, Clark WL, Bruce BB, Boyer DS, Brown DM, TREX-DME Study Group. Randomized Trial of Treat and Extend Ranibizumab with and without Navigated Laser for Diabetic Macular Edema: TREX-DME 1 year Outcomes. Presented at the annual meeting of the American Academy of Ophthalmology. Chicago, IL; October 2016.
2. **Payne JF**, Wykoff CC, Clark WL, Bruce BB, Boyer DS, Brown DM, TREX-DME Study Group. Randomized Trial of Treat and Extend Ranibizumab with and without Navigated Laser for Diabetic Macular Edema: TREX-DME 1 year Outcomes. Presented at the annual meeting of The Retina Society. San Diego, CA; September 2016.
3. **Payne JF**, Wykoff CC, Clark WL, Bruce BB, Boyer DS, Brown DM, TREX-DME Study Group. Randomized Trial of Treat and Extend Ranibizumab with and without Navigated Laser for Diabetic Macular Edema: TREX-DME 1 year Outcomes. Presented at the annual meeting of the American Society of Retina Specialists. San Francisco, CA; August 2016.
4. **Payne JF**, Wykoff CC, Clark WL, Bruce BB, Boyer DS, Brown DM, TREX-DME Study Group. Randomized Trial of Treat and Extend Ranibizumab with and without Navigated Laser for Diabetic Macular Edema: TREX-DME 1 year Outcomes. Presented at the annual meeting of the Association for Research in Vision and Ophthalmology. Seattle, WA; May 2016.
5. **Payne JF**. Severe Panuveitis, Retinal Vasculitis, and Optic Disc Granuloma Secondary to Sarcoidosis. Presented at the annual meeting of The Retina Society. Los Angeles, CA. September, 2013.
6. Davies MH, Furtado JM, Yeh S, Stempel AJ, Mohs K, **Payne JF**, Rahman HT, Powers MR, Smith JR. Topical Endoscopic Fundus Imaging in Murine Oxygen-Induced Retinopathy. Presented at the annual meeting of the Association for Research in Vision and Ophthalmology. Ft. Lauderdale, FL; April 2012.
7. **Payne JF**, Bruce BB, Lee LBK, Yeh S. Logarithmic Transformation of Spectral-Domain Optical Coherence Tomography Data in Uveitis-Associated Macular Edema. Presented at the annual meeting of the American Society of Retina Specialists. Boston, MA; August 2011.
8. **Payne JF**, Jung CS, Bergstrom CS, Cribbs BE, Yan J, Hubbard GB, Olsen TW, Yeh S. Multimodality Diagnostic Imaging in Unilateral Acute Idiopathic Maculopathy. Presented at the annual meeting of the American Society of Retina Specialists. Boston, MA; August 2011.
9. **Payne JF**, Tangpricha V, Cleveland J, Lynn MJ, Ray R, Srivastava SK. Serum Insulin-Like Growth Factor-I in Diabetic Retinopathy. Presented at the annual meeting of the Association for Research in Vision and Ophthalmology. Ft. Lauderdale, FL; April 2011.

10. **Payne JF**, Ray R, Watson DG, Rimler E, Delille C, Cleveland J, Lynn M, Tangpricha V, Srivastava SK. Vitamin D Insufficiency in Diabetic Retinopathy. Presented at the annual meeting of the American Academy of Ophthalmology. Chicago, IL; October 2010.
11. **Payne JF**, Barnes C, Yan J. The Clinical Significance of Negative Electroretinograms. Presented at the annual meeting of the American Academy of Ophthalmology. San Francisco, CA; October 2009.
12. **Payne JF**, Bergstrom C, Yan J, Aaberg TM Sr, Srivastava SK. Residual Triamcinolone Acetonide Sequestered in the Fovea After Macular Hole Repair: Outcomes of Surgery. Presented at the annual meeting of the Association for Research in Vision and Ophthalmology. Ft. Lauderdale, FL; May 2009.
13. **Payne JF**, Lo WR, Yan J. Hydroxychloroquine and Chloroquine Retinal Toxicity: Visual stabilization and recovery following drug cessation. Presented at the annual meeting of Association for Research in Vision and Ophthalmology. Ft. Lauderdale, FL; April 2008.
14. **Payne JF**, Saunders RA. Modification of a Bishop Tendon Tucker for Quantitative Measurements of Superior Oblique Tendon Laxity. Presented at the pediatric ophthalmology meeting of the American Academy of Ophthalmology. New Orleans, LA; November 2007.
15. Ledoux DM, Trivedi RH, Wilson ME, **Payne JF**. Pediatric Cataract Extraction with Intraocular Lens Implantation: Visual Acuity Outcomes When Measured at Four Years and Older. Presented at the annual meeting of the American Society of Cataract and Refractive Surgeons. San Francisco, CA; March 2006.
16. **Payne JF**, Kelty PJ, Saunders RA. The Use of Adjustable Sutures in Adult Strabismus: Is it the standard of care?. Presented at the annual Storm Eye Institute/ASCRS Clinical Update Meeting. Kiawah, SC; June 2005.
17. **Payne JF**, Squires CE, Escobar GP, Leonardi RA, Goshorn DK, Mingoia JT, Flack EC, Lindsey ML. Functional Alterations in Myocardial Fibroblasts from Ischemic Myocardium Post-Myocardial Infarction. Presented at the annual Horace G. Smithy Lecture Symposium. Charleston, SC; November 2003.

GRANT SUPPORT

1. Research to Prevent Blindness Grant. 2010 – 2011. \$3,000. Vitamin D Receptor Polymorphisms in Diabetic Retinopathy. Principal Investigator: John F. Payne, MD
2. Research to Prevent Blindness Grant. 2009 – 2010. \$6,000. Vitamin D Insufficiency in Diabetic Retinopathy. Principal Investigator: John F. Payne, MD
3. Student Sight Savers Grant. 2006 – 2008. \$20,000. The Establishment of a Glaucoma Screening Clinic. Principal Investigators: John F. Payne, MD and M. Edward Wilson, MD

EDITORIAL EXPERIENCE

2012	Manuscript reviewer, Molecular Vision
2012	Manuscript reviewer, Current Eye Research
2010 – 2012	Manuscript reviewer, American Journal of Ophthalmology

CLINICAL TRIAL EXPERIENCE

Principal Investigator

2015 – Present	CAPELLA: A Phase 2, Double-Masked, Randomized, Controlled, Multiple-Dose, Regimen-Ranging Study of the Efficacy and Safety of
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	Intravitreal REGN2176-3 in Patients with Neovascular Age-Related Macular Degeneration.
2014 – Present	SCORE2: Study of Comparative Treatments for Retinal Vein Occlusion 2.
2014 – 2015	AKB-9778-CI-2003: A Phase 2, Randomized, Active-Controlled, Double-Masked, Multi-Center Study to Assess the Safety and Efficacy of Daily Subcutaneous AKB-9778 Administered for 3 Months, as Monotherapy or Adjunctive to Ranibizumab, in Subjects with Diabetic Macular Edema
2013 – Present	TREX-DME: A phase I/II, open-label, multicenter, randomized, controlled study of the safety, tolerability and efficacy of intravitreal injections of 0.3 mg ranibizumab given monthly compared to a <u>T</u> reat and <u>E</u> xtend protocol, with and without laser photocoagulation, in patients with <u>D</u> iabetic <u>M</u> acular <u>E</u> dema.
2013 – 2014	OSPREY ALCON C-12-006: A Prospective, Randomized, Double-Masked, Multicenter, Two-Arm Study Comparing the Safety of ESBA1008 versus Eylea in Subjects with Exudative Age-Related Macular Degeneration.
2013 – 2014	AMPIO AP-05-002: A Randomized, Placebo-Controlled, Parallel, Double-Masked Study to Evaluate the Efficacy and Safety of Two Doses of Oral Optina in Adult Patients with Diabetic Macular Edema.
2012 – 2014	VIBRANT VGFTe-RVO-1027: A Double-Masked, Randomized, Active-Controlled Study of the Efficacy, Safety, and Tolerability of Intravitreal Administration of VEGF Trap-Eye (Intravitreal Aflibercept Injection [IAI]) in Patients with Macular Edema Secondary to Branch Retinal Vein Occlusion.
2012 – 2015	REVIEW VGFTe-AMD-1124: An Open-Label Study of the Efficacy, Safety, and Tolerability of Intravitreal Administration of VEGF Trap-Eye(Intravitreal Aflibercept Injection [IAI]) in Patients with Neovascular Age-Related Macular Degeneration.
<i>Investigator</i>	
2015 – Present	NEUROTECH NT-503-3: Multicenter, Phase 2 Trial of NT-503 Encapsulated Cell Therapy for Long-term Treatment of Recurrent Subfoveal Choroidal Neovascularization Due to Age-Related Macular Degeneration.
2015 – Present	DRCR Protocol AA: Peripheral Diabetic Retinopathy Lesions on Ultrawide-field Fundus Images and Risk of Diabetic Retinopathy Worsening Over Time.
2012 – 2015	DRCR Protocol T: A Comparative Effectiveness Study of Intravitreal Aflibercept, Bevacizumab and Ranibizumab for Diabetic Macular Edema.
2012 – Present	TREX AMD: A Phase IIIb, Multicenter, Randomized, Controlled Study of the Safety, Tolerability and Efficacy of Intravitreal Injections of 0.5 mg Ranibizumab Given Monthly Compared to a <u>T</u> reat and <u>E</u> xtend Protocol in Patients with Wet Age-Related Macular Degeneration.

2012 – 2014	ALLERGAN 206207-024: A Multicenter, Open-Label, Randomized Study Comparing the Efficacy and Safety of 700 µg Dexamethasone Posterior Segment Drug Delivery System (DEX PS DDS) to Ranibizumab in Patients with Diabetic Macular Edema.
2012 – 2014	LPATH NEXUS: A Phase 2a, Multi-center, Masked, Randomized, Comparator-controlled Study Evaluating iSONEP(Sonepcizumab LT 1009) as Either Monotherapy or Adjunctive Therapy to Lucentis or Avastin Versus Lucentis or Avastin Alone for the Treatment of Subjects with Choroidal Neovascularization Secondary to Age-related Macular Degeneration.
2012 – 2014	SIROLIMUS: Multi-Center Randomized, Single Masked Phase 2 Study of Intravitreal Injections of Sirolimus in the Treatment of Central Geographic Atrophy associated with Age- Related Macular Degeneration.
2012 – 2014	NOVARTIS LFG316A: A Multi-Center Randomized, Sham-controlled, Repeat-Dose Study to Assess the Safety, Tolerability, Serum Pharmacokinetics, and Efficacy of Intravitreal LFG 316 in Patients with Neovascular Age-Related Macular Degeneration.
2012 – 2014	VGFTe-DME-1009: A Double-Masked, Randomized, Active-Controlled, Phase 3 Study of the Efficacy and Safety of Intravitreal Administration of VEGF Trap-Eye (Intravitreal Aflibercept Injection [IAI]) in Patients with Diabetic Macular Edema.
2012 – 2014	SANTEN 32-007: A Phase III, Multinational, Multicenter, Randomized, Double-Masked, Study Assessing the Safety and Efficacy of Intravitreal Injections of DE-109 (three doses) for the Treatment of active, Non-Infectious Uveitis of the Posterior Segment of the eye.

TEACHING EXPERIENCE

University of South Carolina

2012 – Present Associate Clinical Professor

Emory University

2012 Biology 475/IBS 548: Biology of the Eye Course Lecturer

2010 OPHT 130: Introduction to Ocular Disease Lecturer

2009 – 2011 Neuroscience I: Ocular Examination Skills Preceptor

Georgia Institute of Technology

2011 BMED 4602: Biomedical Engineering Preceptor

HONORS AND AWARDS

University of South Carolina

2014 Ophthalmology Faculty Member of the Year

Emory University

2011 Best Paper: Serum IGF-I in Diabetic Retinopathy, Emory Eye Center Research Day

2010	Best Paper: Vitamin D Insufficiency in Diabetic Retinopathy, AAO Annual Meeting
2010	Resident Research Award
2008	Heed Fellowship Resident Retreat Participant
<i>Medical University of South Carolina</i>	
2006	South Carolina Commission on Higher Education Service Learning Award
2005	Alpha Omega Alpha Honor Medical Society
2005	College of Medicine Service Award, Fight for SIGHT
2004, 2005	Campus-Wide Service Award, Crisis Ministries Clinic
<i>Clemson University</i>	
2002	Faculty Excellence Award, Chemistry
2001	Scholarship-Leadership Award, Kappa Sigma Fraternity
2000	Omicron Delta Kappa National Honor Fraternity

LEADERSHIP POSITIONS

Palmetto Health System

2013 – 2015 Chief of Ophthalmology, Palmetto Health Richland

Emory University

2008 Heed Fellowship Retreat Participant

Medical University of South Carolina

Medical Student Ophthalmology Society

2005 – 2006 Co-President

2004 – 2005 Chief of Clinical Operations, Fight for SIGHT

College of Medicine Student Council

2004 – 2005 Vice President

Phi Chi Medical Fraternity

2003 – 2004 President

Crisis Ministries Clinic

2004 – 2005 Clinic Co-Chair

2003 – 2004 Treasurer

Clemson University

Blue Key International Honor Fraternity

2001 – 2002 Vice President

Kappa Sigma Fraternity

2000 – 2001 President

Student Senate

2000 – 2001 Junior Class Student Senator

LICENSURE

2012 State of South Carolina: 28865

2011 Board Certified, American Board of Ophthalmology, 30758

2009 State of Georgia: 62416

VOLUNTEER EXPERIENCE

Emory University

2007 – 2010 Health Students Taking Action Together (HealthSTAT)

Medical University of South Carolina

2004 – 2006

Fight for SIGHT Eye Clinic

2002 – 2004

Winwood Farm Home for Children

2002 – 2005

Crisis Ministries Medical Clinic

PROFESSIONAL ORGANIZATIONS

American Society of Retina Specialists

American Academy of Ophthalmology

Association for Research in Vision and Ophthalmology

South Carolina Medical Association

South Carolina Ophthalmology Society

The Retina Society