

Curriculum Vitae

James D. Paauw, M.D.

Piedmont Eye Center, 116 Nationwide Drive, Lynchburg, VA 24502

Education

- 07/09-07/10 Bascom Palmer Eye Institute
University of Miami Miller School of Medicine
Glaucoma Fellowship
David S. Greenfield, M.D., Program Director
Palm Beach Gardens, Florida
- 07/06-06/09 Scott & White Eye Institute
Texas A&M Health Science Center College of Medicine
Ophthalmology Residency
Kyle Smith, M.D., Program Director
Temple, Texas
- 07/05-06/06 Scott & White Hospital
Texas A&M Health Science Center College of Medicine
Pre-Ophthalmology Internship
Temple, Texas
- 08/01-06/05 University of Michigan Medical School
M.D. with distinction in research
Ann Arbor, Michigan
- 08/97-06/01 Calvin College
B.S. in Biology with honors and minor in Biochemistry
Grand Rapids, Michigan

Faculty Appointment

- 05/17-present Liberty University College of Osteopathic Medicine
Adjunct Clinical Assistant Professor of Ophthalmology

Clinical Trials

2021 Primary Investigator- Allergan 2012-201-005 Dry eye trial
2021 Primary Investigator- Allergan Triton 1698-301-007 Glaucoma Delivery System
2021 Primary Investigator- Visant D-348-CSP Canalicular plug trial
2021 Primary Investigator- Oyster Point OLYMPIA- Neurotrophic Keratitis
2021 Primary Investigator- Nicox NCX-4251-02 Blepharitis
2021 Primary Investigator- Novaliq Cys-005 Dry Eye extension
2020 Primary Investigator- Alcon ILR431b-P001 Multifocal Intraocular lens
2020 Primary Investigator- TRS-011-1572 Blepharitis treatment extension trial
2020 Primary Investigator- PRG-NY-20-002 Glaucoma Drop
2020 Primary Investigator- Novaliq ESSENCE-2 Dry Eye study
2020 Primary Investigator- Novaliq CYSign-20 Dry Eye Severity Stratification
2020 Primary Investigator- Orasis NEAR-2 Presbyopia Drop Trial
2020 Primary Investigator- Novartis SAF312 Dry Eye Study
2020 Primary Investigator- Novartis ECF843 Dry Eye Study
2020 Primary Investigator- AERIE Design 20 Dry Eye Severity Stratification
2020 Primary Investigator- AERIE COMET Novel Dry Eye Drop
2020 Primary Investigator- Tarsus SATURN-1 (TRS-009)- Novel Blepharitis Drop
2020 Primary Investigator- Tarsus 20-100-0004 Blepharitis Severity Stratification
2020 Primary Investigator- Mimetogen 728 Novel Dry Eye Drop
2019 Primary Investigator- Oyster Point ONSET- 2 Novel Dry Eye Treatment
2019 Primary Investigator- Mitotech VISTA-2 Novel Dry Eye Drop
2019 Primary Investigator- RGN-259 ARISE-3 Novel Dry Eye Drop
2019 Primary Investigator- RGN DEsign 19 Dry Eye Severity Stratification
2019 Primary Investigator- Prestige CE 19.01 Ocular Hyperemia Drops
2019 Primary Investigator- Perrigo NY-19-001 Glaucoma Drop
2019 Primary Investigator- Glaukos GC-010 Implantable Drug Delivery System
2019 Primary Investigator- Allergan 1698-302-007 Glaucoma Delivery System
2018 Primary Investigator – Allergan 192024-093 Glaucoma Delivery System
2016 Primary Investigator-Shire SHP640-303 Bacterial Conjunctivitis
2016 Primary Investigator-Shire SHP640-302 Viral Conjunctivitis
2014 Primary Investigator-Allergan 192024-091 Glaucoma Delivery System
2013 Primary Investigator-Glaukos iStent GTS-100-PAS2
2013 Primary Investigator-Allergan 192024-041D Glaucoma Delivery System
2014 Sub-Investigator-Allergan 191578-007 Post Cataract Surgery Drop
2014 Sub-Investigator- B & L #843 Post Cataract Surgery Drop
2013 Sub-Investigator-Alcon C-12-067 NPDR Post Cataract Surgery Drop
2012 Sub-Investigator-Alcon C-10-016 Multifocal Intraocular Lens
2012 Sub-Investigator/Implanting Surgeon-Alcon C-11-020 High Toric Intraocular Lens
2012 Sub-Investigator-Baynovation CL1104 Adenoviral Conjunctivitis
2012 Sub-Investigator- B & L #801 Bacterial Conjunctivitis
2011 Sub-Investigator-Alcon C-10-078 Dry Eye
2011 Sub-Investigator-Allergan 10146X-001 Dry Eye

Research Positions

- 09/15-present Medical Director of Clinical Research, Piedmont Eye Center
Lynchburg, Virginia
- 07/09-07/10 Fellowship research project, Bascom Palmer Eye Institute
University of Miami Miller School of Medicine
Detection of progressive retinal nerve fiber layer thickness loss with optical coherence tomography using various criteria for functional progression
Mentor: David S. Greenfield, M.D.
- 07/06-06/09 Resident research project, Scott & White Eye Institute
Texas A&M Health Science Center College of Medicine
Evaluation of a novel approach to trabeculectomy failure using Mitomycin-C in conjunction with Healon 5 injection
Mentors: Glen Brindley, M.D. and Steven Vold, M.D.
- 08/02-06/05 Research Assistant
Department of Ophthalmology, University of Michigan
Role of PDGF, STAT3, c-myc, and pERK in cellular signaling pathway involved in proliferative vitreoretinopathy, as well as inhibitors to this cascade
Mentor: Monte Del Monte, M.D.
- 09/00-06/01 Research Assistant
Department of Biology, Calvin College
Protocol development for performing ocular toxicology research without inducing artificial endothelial cell damage
Mentor: John Ubels, Ph.D.
- 09/00-12/00 Research Assistant
Department of Chemistry, Calvin College
Cell surface morphology changes seen with atomic force microscopy after exposure to various artificial tear solutions
Mentor: Kumar Sinniah, Ph.D.

Journal Articles

Grewal DS, Sehi M, **Paauw JD**, Greenfield DS. Detection of Progressive Retinal Nerve Fiber Layer Thickness Loss with Optical Coherence Tomography Using Three Criteria for Functional Progression. *J Glaucoma*. April 2012; 21(4):214-220.

Paauw JD. Averting Tube Trouble; Intra-operative Complications. *Glaucoma Today*. Fall 2011. Volume 9 No. 5. 48-49.

Kothary PC, **Paauw JD**, Bansal AK, Grace CC, Del Monte MA. Inhibition of growth factor stimulated STAT3 by AG490 in human Retinal Pigment Epithelial cells. *5th International Symposium on Ocular Pharmacology and Therapeutics* 2004;1:237-241.

Sinniah K, **Paauw JD**, Ubels JL. Investigating live and fixed epithelial and fibroblast cells by atomic force microscopy. *Curr Eye Res* 2002;25:61-68.

Ubels JL, **Paauw JD**, Casterton PL, Kool DJ. A redesigned corneal holder for the Bovine Opacity and Permeability assay that maintains normal corneal morphology. *Toxicology in Vitro* 2002;16:621-626.

Book Chapter

Ubels JL, **Paauw JD**, Casterton PL. Evaluation and refinement of the Bovine Cornea Opacity and Permeability assay. Salem H, Katz SA, editors. *Alternative Toxicological Methods*. Washington DC: CRC Press; 2003:109-115.

Abstracts

Paauw JD, Grewal DS, Sehi M, Greenfield DS, Advanced Imaging in Glaucoma Study Group. Detection of progressive retinal nerve fiber layer thickness loss with optical coherence tomography using various criteria for functional progression. *Invest Ophthalmol Vis Sci* 2010;51: E-Abstract 4008.

Paauw JD, Kothary PC, Shah SA, Del Monte MA. pERK1,2 expression is required for platelet-derived growth factor induced mitogenesis in human retinal pigment epithelial cells. *Invest Ophthalmol Vis Sci* 2005;46: E-Abstract 5583.

Paauw JD, Kothary PC, Del Monte MA. Role of c-myc protein in Platelet-Derived Growth Factor (PDGF)-induced mitogenesis of human Retinal Pigment Epithelial (hRPE) cells. *Invest Ophthalmol Vis Sci* 2003;44: E-Abstract 2945.

Paauw JD, Kothary PC, Del Monte MA. STAT3-mediated expression is required for Platelet-Derived Growth Factor (PDGF)-induced mitogenesis in human Retinal Pigment Epithelial (hRPE) cells. *48th Annual Fall Student Biomedical Research Forum Official Program and Abstracts* 2002;1: Abstract 43.

Paauw JD, Ubels JL, Casterton PL. An improved cornea holder for the Bovine Corneal Opacity and Permeability (BCOP) assay. *The Toxicologist* 2001;60:Abstract 470.

Public Lectures

Paauw JD Implantable Drug Delivery Systems. 43rd Annual Christian Ophthalmology Society conference. CME approved ophthalmology conference in Kansas City, MO. August 2019.

Paauw JD Glaucoma in International Missions: Perspectives from Haiti. 40th Annual Everett R. Veirs Lecture and Ophthalmology Conference. CME approved ophthalmology conference in Temple, TX. April 2019

Paauw JD Becoming an ophthalmologist. Presentation given to the Liberty University pre-medical club. March 2018.

Paauw JD Excellence in Practice. 41st Annual Christian Ophthalmology Society conference. CME approved ophthalmology conference in Lake Junaluska, NC. August, 2017.

Paauw JD Bimatoprost Sustained-Release (SR) Implants for Glaucoma Therapy (ARTEMIS). Presented Allergan approved talk in Lynchburg, VA to optometrists. May 2017.

Paauw JD Laser-Assisted Cataract Surgery- The Future is Now. Presented in Lynchburg, VA and approved for optometry continuing education credit. October 2016.

Paauw JD Something Old, Something New, Something Coming, Something Blue. Update on glaucoma innovations and techniques at St. Luke's North Hospital for Kansas and Missouri optometrists (Approved by Kansas and Missouri State Board of Optometry for Continuing education Units). October 2013, Kansas City, Missouri.

Paauw JD What's New in Glaucoma Management and Cataract Surgery. Presented at St. Luke's North for Kansas and Missouri optometrists (Approved by Kansas and Missouri State Board of Optometry for Continuing Education Units). October 2012, Kansas City, Missouri.

Paauw JD IOP Limbo: How Low Should You Go. Presented at St. Luke's North for Kansas and Missouri optometrists (Approved by Kansas and Missouri State Board of Optometry for Continuing Education Units). October 2011, Kansas City Missouri.

Paauw JD Eye Care Abroad. Presented at Omni Eye Center for local optometrists. March, 2011, Lee Summit, Missouri.

Paauw JD Eye plumbing 101- Unclogging or Bypassing the Trabecular Meshwork. Presented at St. Luke's North for Kansas and Missouri optometrists (Approved by Kansas and Missouri State Board of Optometry for Continuing Education Units). January 2011, Kansas City, Missouri.

Paauw JD Detecting and Preventing Glaucoma Progression. Presentation for the Kansas City Optometric Society. October 2010, Kansas City, Missouri.

Paauw JD, Grewal DS, Sehi M, Greenfield DS, Advanced Imaging in Glaucoma Study Group. Detection of Progressive Retinal Nerve Fiber Layer Thickness Loss with Optical Coherence Tomography Using Various Criteria For Functional Progression. Presented at the 46th Annual Bascom Palmer Eye Institute Residents' Days Conference, June 2010, Miami, FL.

Paauw JD, Vold SD, Brindley GO. Effectiveness of Healon 5 and Mitomycin-C Subconjunctival Injection in Revision of Failed Filtering Blebs. 30th Annual Everett R. Veirs Lecture and Ophthalmology Conference, February 2009, Temple, TX.

Paauw JD, Smith KH. Neuro-Ophthalmologic Symptoms Associated with Primary Hypereosinophilic Syndrome: A Case Report. Annual Everett R. Veirs Lecture and Ophthalmology Conference, February 2008, Temple, TX.

Poster Presentations

Paauw JD, Grewal DS, Sehi M, Greenfield DS, Advanced Imaging in Glaucoma Study Group. Detection of Progressive Retinal Nerve Fiber Layer Thickness Loss with Optical Coherence Tomography Using Various Criteria For Functional Progression. Presented at the Annual Meeting for the Association for Research in Vision and Ophthalmology, May 2010, Ft. Lauderdale, FL.

Paauw JD, Kothary PC, Del Monte MA. Role of C-myc Protein in Platelet-Derived Growth Factor (PDGF)-induced Mitogenesis of Human Retinal Pigment Epithelial (hRPE) Cells. Presented at the Annual Meeting for the Association for Research in Vision and Ophthalmology, May 2003, Ft. Lauderdale, FL.

Paauw JD, Kothary PC, Del Monte MA. STAT3-mediated Expression Is Required for Platelet-Derived Growth Factor (PDGF)-induced Mitogenesis in Human Retinal Pigment Epithelial (hRPE) cells. Presented at the 48th Annual Fall Student Biomedical Research Forum, November 2002, Ann Arbor, MI.

Paauw JD, Ubels JL, Casterton PL. An Improved Cornea Holder For the Bovine Corneal Opacity and Permeability (BCOP) Assay. Presented at the 40th Annual Meeting of the Society of Toxicology, February 2001, San Francisco, CA.

Awards, Honors, and Achievements

- 2019 Best Bedside Manner Gold Award for Ophthalmology
Our Health Magazine
Voted by patients in the Lynchburg community
- 06/18 Lynchburg Living Top Doctor
Voted by Physicians by Specialty in Lynchburg Area
- 2018 Best Bedside Manner Bronze Award for Ophthalmology
Our Health Magazine
Voted by patients in the Lynchburg community
- 06/17 Lynchburg Living Top Doctor
Voted by Physicians by Specialty in Lynchburg Area
- 2017 Best Bedside Manner Honorable Mention for Ophthalmology
Our Health Magazine
Voted by patients in the Lynchburg community
- 07/08-06/09 Ophthalmology Chief Resident
Scott and White Eye Institute, Temple, TX
- 07/08-06/09 Co-Editor for Career Physician Briefings in Ophthalmology
Career Physician, Dallas, TX
- 06/02-09/02 Student Biomedical Research Fellowship
University of Michigan Medical School

Employment

- 07/15- present Ophthalmologist/Glaucoma Specialist, Piedmont Eye Center, Lynchburg, VA
- 08/10-06/15 Ophthalmologist/Glaucoma Specialist, Moyes Eye Center, Kansas City, MO
- 07/09-07/10 Clinical Instructor, Bascom Palmer Eye Institute, Palm Beach Gardens, FL
- 07/05-06/09 Ophthalmology resident, Scott & White Hospital, Texas A&M University
- 06/02-09/02 Research Assistant, Department of Ophthalmology at University of Michigan
- 06/00-09/01 Research Assistant, Department of Biology at Calvin College
- 06/00-09/01 Research Assistant, Department of Chemistry at Calvin College
- 09/99-06/00 Lab assistant, four anatomy courses and a physiology course at Calvin College
- 06/98-09/99 Camp counselor for two summers at Camp Roger in Rockford, MI

Volunteer Activities

- 02/11-present Three ophthalmology mission trips to Haiti
Northwest Haiti Christian Mission
- 05/14-08/19 Christian Ophthalmology Society Board member
- 02/17-2019 Men's group planning committee

Mercy Presbyterian Church

- 01/11-2015 Event Planning Committee and Missions Committee Member
Oak Hills Presbyterian Church
- 01/14 Hosted National Christian Ophthalmology Society Meeting
Kansas City, MO
- 09/09 Ophthalmology mission trip to Kenya
Lighthouse for Christ
- 09/05-06/09 High school youth group leader at Temple Bible Church
Temple, TX
- 11/06-11/08 Three ophthalmology mission trips to Mexico
Medical Missions for Christ International
- 09/01-06/04 High school youth group leader at Knox Presbyterian Church
Ann Arbor, MI
- 07/02-06/03 American Medical Student Association Glaucoma Task Force leader
University of Michigan
- 07/02-07/03 Christian Medical Association Vice-President
University of Michigan
- 07/00-06/01 Honors Student Council member
Calvin College
- 01/97-05/01 Head coach of youth softball, T-ball, and luge teams
Walker, MI and Muskegon, MI
- 01/00 Medical mission trip to Ecuador
Coordinated by Calvin College

Memberships

- Christian Ophthalmology Society
American Glaucoma Society
American Academy of Ophthalmology
American Society of Cataract and Refractive Surgeons