

CURRICULUM VITAE

SHAWN A. LEWIS, MD

OFFICE ADDRESSES

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TELEPHONE

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WEBSITE

www.retina-doctors.com

EDUCATION

College

Xavier University College of Arts and Sciences
Cincinnati, OH
2001–2005, BS (magna cum laude; Biology)

Medical School

University of Cincinnati College of Medicine
Cincinnati, OH
2005–2009, MD

POSTGRADUATE TRAINING

Internship

Preliminary Internal Medicine Residency
Good Samaritan Hospital
Cincinnati, OH
2009–2010

Residency

Ophthalmology Residency
University Hospital / University of Cincinnati
Cincinnati, OH
2010–2013

Fellowship Vitreoretinal Surgery Fellowship
University of Chicago Medical Center
Chicago, Illinois
2013–2015

LICENSURE AND BOARD CERTIFICATION

Diplomate, American Board of Ophthalmology, 2016

Licensed to practice medicine in Ohio and Illinois

PROFESSIONAL POSITIONS

Retina Associates of Cleveland, 2015–

Private practice in vitreoretinal surgery and diseases. Associates: Lawrence J. Singerman, MD; Michael A. Novak, MD; Hernando Zegarra, MD; Scott D. Pendergast, MD; David G. Miller, MD; Joseph M. Coney, MD; Jerome P. Schartman, MD; Llewelyn J. Rao, MD; Arnold F. Nothnagel, DO; Sean M. Platt, MD, Matthew K. Adams, MD, MBA; Hang Pham, MD

ACADEMIC APPOINTMENTS

Voluntary Professor of Ophthalmology, Northeast Ohio Medical University, 2016–

HONORS AND AWARDS

Best Doctors in America, 2019

Fight for Sight Summer Student Fellowship, 2006

Joseph Peters Scholarship Award, 2003

Awarded to an upper class pre-medical or pre-dental student in recognition of high academic achievement

American Heart Association Undergraduate Student Fellowship, 2002

Schawe Scholarship, 2001

Awarded for high achievement in academic scholarship

MEMBERSHIPS

American Academy of Ophthalmology, 2010–

American Medical Association, 2005–

American Medical Student Association, 2005–2009

Alpha Sigma Nu, 2004–2005

Xavier University Honors Society

Alpha Epsilon Delta (AED), 2003–2005
Pre-medical Honors Society

HOSPITAL & ASC AFFILIATIONS

Cleveland Eye and Laser Surgery Center; Cleveland, Ohio
Brainard Surgery Center; Cleveland, Ohio
Hillcrest Hospital; Cleveland, Ohio

RESEARCH ACTIVITIES

NIH-funded Grants

DRCRnet Protocol AG. Randomized clinical trial assessing the effects of pneumatic vitreolysis on vitreomacular traction
Co-investigator, 2019–

DRCRnet Protocol AH. Single-arm study assessing the effects of pneumatic vitreolysis on macular hole
Co-investigator, 2019–

National Clinical Trials

Phase II/III multicenter, randomized, double-masked, parallel-group, placebo-controlled study to investigate the safety, pharmacokinetics, tolerability, and efficacy of oral ALK-001 in geographic atrophy secondary to AMD
Co-investigator, 2019–

Phase II, multicenter, randomized, double-masked, active comparator-controlled study to evaluate the efficacy and safety of faricimab in patients with nAMD (LUCERNE)
Co-investigator, 2019–

Phase III, multicenter, randomized, double-masked, sham-controlled study to compare the efficacy and safety of intravitreal APL-2 therapy with sham injections in patients with geographic atrophy (GA) secondary to age-related macular degeneration
Co-investigator, 2019–

Phase III, multicenter, double-masked, randomized, dose-ranging trial to evaluate the efficacy and safety of conbercept intravitreal injection in subjects with neovascular age-related macular degeneration (AMD) (PANDA)
Co-investigator, 2019–

Phase III, multicenter, randomized, double-masked study to assess the safety and efficacy of brolocizumab vs. aflibercept in nAMD with persistent retinal fluid (MERLIN)
Co-investigator, 2019–

Phase III, randomized, double-masked, multicenter, controlled study to evaluate the efficacy and safety of brolicizumab in treatment of patients with visual impairment due to diabetic macular edema (KESTREL)

Co-investigator, 2019–

Randomized, double masked, uncontrolled, multicenter phase I/II study to evaluate safety and tolerability of PAN-90806 eye drops, suspension in treatment-naïve participants with neovascular age-related macular degeneration (AMD)

Co-investigator, 2018–2019

Phase III, multicenter, randomized, double-masked, active comparator-controlled study to evaluate the efficacy and safety of RO6867461 in patients with diabetic macular edema (YOSEMITE)

Co-investigator, 2018–

Phase 2b randomized, double-masked, controlled trial to assess the safety and efficacy of intravitreal administration of Zimura™ (anti-c5 aptamer) in subjects with geographic atrophy secondary to dry age-related macular degeneration

Co-investigator, 2018–

Phase III randomised, double-masked, parallel group, multicentre study to compare the efficacy, safety, pharmacokinetics and immunogenicity between SB11 and Lucentis in subjects with neovascular age-related macular degeneration

Co-investigator, 2018–

Phase 2 double-masked, placebo-controlled study to assess the safety and efficacy of subcutaneously administered AKB-9778 15 mg once daily or 15 mg twice daily for 12 months in patients with moderate to severe non-proliferative diabetic retinopathy (TIME-2b study)

Co-investigator, 2017–

Effect of LY3202626 on Alzheimer's disease progression as measured by cerebral ¹⁸F-AV-1451 Tau-PET in mild Alzheimer's disease dementia

Co-investigator, 2017–

Efficacy and safety study of squalamine ophthalmic solution in subjects with neovascular AMD (MAKO)

Co-investigator, 2016–

Randomized, double-masked, placebo-controlled, dose-finding, non-inferiority study of X-82 plus prn intravitreal anti-VEGF compared to prn intravitreal anti-VEGF monotherapy in neovascular AMD

Co-investigator, 2016–2018

Randomized, double-masked, multicenter, three-arm study comparing the efficacy and safety of RTH258 versus aflibercept in subjects with neovascular age-related macular degeneration (Hawk Study)

Co-investigator, 2015–2018

Phase III double-masked study of safety and efficacy of abicipar pegol in patients with neovascular age-related macular degeneration

Co-investigator, 2015–

LHA510 proof-of-concept study as a maintenance therapy for patients with wet age-related macular degeneration

Co-investigator, 2015–2016

Other Research Activities

Clinical research comparing outcomes of rhegmatogenous retinal detachment repair with different gauged instruments

Cincinnati Eye Institute, Department of Vitreoretinal Diseases and Surgery; 2008–2015

Independent student research project; expressing and purifying α A-crystallin protein; running Western blots, spectrophotometry

Case Western Reserve University School of Medicine, Department of Ophthalmology and Visual Sciences; 2006

Independent and collaborative undergraduate research; perfusing rat brains, brain sectioning, immunohistofluorescence staining, using Metamorph imaging software

University of Cincinnati College of Medicine, Department of Neurosurgery, Mayfield Neurotrauma Research Lab; 2003–2005

Summer undergraduate research on the role of TGF-beta in collagen production by fibroblast cells in the heart; cell culture and quantification of collagen protein

Cleveland Clinic, Lerner Research Institute, Department of Molecular Cardiology; 2002

SELECTED PRESENTATIONS AT MEETINGS AND SYMPOSIA

1. Retinal Detachment Surgery. Optometric Retinal Update Seminar. Cleveland, Ohio, March 11th, 2019.
2. Retinal Detachment Repair. Optometric Retinal Update Seminar. Warren, Ohio, September 12th, 2019.
3. Retinal emergencies. Optometric Retinal Update Seminar. Beachwood, Ohio, March 12, 2019.
4. Surgery for rhegmatogenous retinal detachment. Cleveland Ophthalmological Society. Cleveland, Ohio, February 12, 2019.
5. Retina surgery videos. Optometric Retinal Update Seminar. Akron, Ohio, November 1, 2018.
6. Vitreoretinal surgical techniques with video. Optometric Retinal Update Seminar. Youngstown, Ohio, August 22, 2018.

7. Genetic testing for age-related macular degeneration. Optometric Retinal Update Seminar. Cleveland, Ohio, June 7, 2018.
8. Moderator, Cleveland Ophthalmological Society Retina Symposium. Cleveland, Ohio, April 10, 2018.
9. Vitreoretinal surgery. Optometric Retinal Update Seminar. Beachwood, Ohio, February 15, 2018.
10. Update on wet age-related macular degeneration. Community Doctors Education Program. Akron, Ohio, November 7, 2017.
11. Vitreoretinal surgical techniques with video analysis. Community Doctors Education Program. Warren, Ohio, September 6, 2017.
12. Retinal surgical videos. Optometric Retinal Update Seminar. Beachwood, Ohio, March 28, 2017.
13. Dark adaptometry in the management of AMD. MidWest Optometric Society 2017 Primary Eyecare Seminar. Cleveland, Ohio, March 26, 2017.
14. Dark adaptation and AMD. Optometric Retinal Update Seminar. Youngstown, Ohio, September 7, 2016.
15. Dark adaptation and AMD. Optometric Retinal Update Seminar. Cleveland, Ohio, June 16, 2016.
16. Patient experience in a retinal office. Optometric Retinal Update Seminar. Akron, Ohio, April 6, 2016.

ONLINE PRESENTATIONS

1. AMD: Better outcomes start with you. Webinar sponsored by MacuLogix. February 21, 2017.
<https://event.on24.com/eventRegistration/EventLobbyServlet?target=reg20.jsp&referrer=&eventid=1347469&sessionid=1&key=E974435CA1B7612CDD81FC216EDDD833®Tag=&sourcepage=register>
2. Video: a complication during vitrectomy for aspergillus endophthalmitis.
<https://www.asrs.org/clinical/clinical-and-surgical-videos/innovative-retina-surgical-video-series/a-complication-during-vitrectomy-for-aspergillus-endophthalmitis>

PUBLICATIONS

1. Lewis SA. Trends in diagnostics for diabetic macular edema. *Retinal Physician Newsletter*, December 2016. <https://www.retinalphysician.com/newsletter/diabetes-ophthalmic-eupdate/december-2016>.

2. Nolan DP, Lewis S, Hariprasad SM. Retinal toxicity associated with MEK inhibitor use for metastatic cancer: a rising trend in ophthalmology. *Ophthalmic Surg Lasers Imaging Retina* 2016 May 1;47:398-402.
3. Cionni DA, Lewis SA, Petersen MR, Foster RE, Riemann CD, Sisk RA, Hutchins RK, Miller DM. Analysis of outcomes for intravitreal bevacizumab in the treatment of choroidal neovascularization secondary to ocular histoplasmosis. *Ophthalmology* 2012;119:327-332.
4. Lewis SA, Miller DM, Riemann CD, Foster RE, Petersen MR. Comparison of 20-, 23-, and 25-gauge pars plana vitrectomy in pseudophakic rhegmatogenous retinal detachment repair. *Ophthalmic Surg Lasers Imaging* 2011;42: 107-113Grunwald L, Kligman B, Shields C. Acute exudative polymorphous paraneoplastic vitelliform maculopathy in a patient with carcinoma, not melanoma. *Arch Ophthalmol* 2011;129:1104-1106.
5. Biswas A, Lewis S, Wang B, Miyagi M, Santoshkumar P, Gangadhariah MH, Nagaraj RH. Chemical modulation of the chaperone function of human 5-A-crystallin. *J Biochem* 2008;144:21-32.
6. Gopez J, Yue H, Vasudevan R, Malik A, Fogelsanger L, Lewis S, Panikashvili D, Shohami E, Jansen S, Narayan R, Strauss K. Cyclooxygenase-2-specific inhibitor improves functional outcomes, provides neuroprotection, and reduces inflammation in a rat model of traumatic brain injury. *Neurosurgery* 2005;56:590-604.

Abstracts

1. Miller D., Miller C., Wuller A., Platt S., Schartman J., Lewis S., Rowland D., Rao L. Frequency and symptoms of intravitreal silicone oil droplets following bevacizumab injections from BD insulin syringes. Association for Research in Vision and Ophthalmology Annual Meeting, May 2020

POSTERS

1. Yalamanchili S, Rao L, Rowland D, Gonzalez C, Miller D, Novak M, Pendergast S, Coney J, Schartman J, Lewis S. Comparative Success of Retinal detachment Repair among Private Practice Surgeons. The American Society of Retina Specialists, July 2019.
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