

Jeffrey L. Tapley Jr, MD

EDUCATION

- 07/2020 to 07/2021 **Cornea, External Disease, and Refractive Surgery Fellowship**, Devers Eye Institute, Portland, OR
- 07/2017 to 06/2020 **Ophthalmology Residency**, The University of Alabama at Birmingham (UAB), Birmingham, AL
Chief Resident: 2019-2020
- 07/2016 to 06/2017 **Transitional Year**, Brookwood Baptist Health, Birmingham, AL
- 07/2012 to 06/2016 **Doctor of Medicine, magna cum laude**, The University of Alabama School of Medicine at Birmingham, Birmingham, AL
- 08/2008 to 12/2011 **Bachelor of Science** in Biological Sciences, *summa cum laude*, The University of Alabama, Tuscaloosa, AL

LICENSURES AND CERTIFICATIONS

- 2020-present Oregon Medical License (MD.197976)
- 2016-present Alabama Medical License (MD.36113)
- 2016-present Alabama Controlled Substance Certificate (ACSC.36113)

PEER-REVIEWED JOURNAL ARTICLES

Tapley J, Hill J, Bauer A, Straiko M, Terry M. Rate of Endothelial Cell Loss and Graft Survival in Descemet's Membrane Endothelial Keratoplasty (DMEK) in Eyes Requiring a Rebubble. (*in review*)

Jenny MJ, Walton WC, Payton SL, Powers JM, Findlay RH, O'Shields B, Diggins K, Pinkerton M, Porter D, Crane DM, **Tapley J**, Cunningham C. Transcriptomic evaluation of the American oyster, *Crassostrea virginica*, deployed during the Deepwater Horizon oil spill: Evidence of an active hydrocarbon response pathway. *Marine Environmental Research*. 2016 Sep;120:166-81.

Tapley J, McGwin G, Ashraf A, MacLennan P, Callahan K, Searcey K, Witherspoon D, Saaddine J, Owsley C. Feasibility and efficacy of diabetic retinopathy screening among youth with diabetes in a pediatric endocrinology clinic: a cross-sectional study. *Diabetology and Metabolic Syndrome*. 2015;7:56.

O'Shields B, McArthur A, Holowiecki A, Kamper M, **Tapley J**, Jenny M. Inhibition of endogenous MTF-1 signaling in zebrafish embryos identifies novel roles for MTF-1 in development. *Biochimica et Biophysica Acta (BBA) - Molecular Cell Research*. 2014;1843(9):1818-33.

SCIENTIFIC PRESENTATIONS, POSTERS, AND ABSTRACTS

National

Tapley J, Bauer A, Straiko M, Terry M. (July 2021). Rate of Endothelial Cell Loss and Graft Survival in Descemet's Membrane Endothelial Keratoplasty (DMEK) in Eyes Requiring a Rebubble. American Society of Cataract and Refractive Surgery Annual Meeting 2021, Las Vegas, NV.

Tapley J, Bauer A, Straiko M, Terry M. (July 2021). Descemet Membrane Endothelial Keratoplasty Versus Descemet Stripping Automated Endothelial Keratoplasty for Failed Penetrating Keratoplasty. American Society of Cataract and Refractive Surgery Annual Meeting 2021, Las Vegas, NV.

Tapley J, Bauer A, Straiko M, Terry M. (May 2021). Keratoconus-like changes after descemet membrane endothelial keratoplasty in patients with Fuchs' dystrophy. The Association for Research in Vision and Ophthalmology Annual Meeting 2021, San Francisco, CA.

Tapley J, Bauer A, Hill J, Chen SY, Sanchez J, Straiko M, Terry M. (Nov 2020). Using an in-office slit lamp to rebubble DMEK grafts: fast, easy, safe. American Academy of Ophthalmology Annual Meeting 2020.

Tapley J, Hill J, Straiko M, Xu D, Bauer A, Sanchez J, Straiko M, Terry M. (Nov 2020). Five-year graft survival and clinical outcomes of DMEK. American Academy of Ophthalmology Annual Meeting 2020.

Tapley J, Mason J. (May 2019). Clinical outcomes of a phone call in lieu of day one exam following uncomplicated 25-gauge vitrectomy surgery. The Association for Research in Vision and Ophthalmology Annual Meeting, Vancouver, CA. Investigative Ophthalmology and Visual Science 2019.

Tapley J, McGwin G, Ashraf A, MacLennan P, Callahan K, Searcey K, Witherspoon D, Saaddine J, Owsley C. (May 2014). Feasibility and efficacy of diabetic retinopathy screening among children with diabetes. The Association for Research in Vision and Ophthalmology Annual Meeting, Orlando, FL. Investigative Ophthalmology and Visual Science 2014.

Pinkerton M, **Tapley J**, Cunningham C, Jenny M. (Jan 2012). Identification of several glutathione s-transferase and multixenobiotic resistance transporter genes from the American oyster, *Crassostrea virginica*. The Society for Integrative and Comparative Biology Annual Meeting, Charleston, SC.

Regional

Tapley J, Rhodes L. (May 2019). Evaluating the Cost-Effectiveness of a Glaucoma Telemedicine Detection Program. UAB Department of Ophthalmology Annual Clinical and Research Symposium 2019, Birmingham, AL.

Tapley J, Mason J. (May 2018). Clinical Outcomes of a Phone Call in Lieu of Day One Exam Following Uncomplicated 25-Gauge Vitrectomy Surgery. UAB Department of Ophthalmology Annual Clinical and Research Symposium, Birmingham, AL.

Tapley J, Patel M. (May 2017). Silicosis: An Unusual Presentation. Brookwood Baptist Health Resident Research Day, Birmingham, AL.

Tapley J, McGwin G, Ashraf A, MacLennan P, Callahan K, Searcey K, Witherspoon D, Saaddine J, Owsley C. (May 2014). Feasibility and efficacy of diabetic retinopathy screening among children with diabetes. UAB Diabetes Research Day, Birmingham, AL.

Tapley J, McGwin G, Ashraf A, MacLennan P, Callahan K, Searcey K, Witherspoon D, Saaddine J, Owsley C. (Oct 2013). Feasibility and efficacy of diabetic retinopathy screening among children with diabetes. Dale J. Benos Medical Student Research Day, Birmingham, AL.

Tapley J, O'Shields B, Jenny M. (April 2011). The role of MTF-1 in zinc modulation of aryl hydrocarbon receptor-dependent gene induction. The University of Alabama Undergraduate Research and Creative Activity Conference, Tuscaloosa, AL.

HONORS AND AWARDS

2019-2020	Chief Resident, UAB Department of Ophthalmology
2018	Lynn B. McMahan M.D. Award, Outstanding Resident Research Presentation, UAB Department of Ophthalmology Annual Clinical and Research Symposium
2016	The University of Alabama School of Medicine Achievement Award, excellence in the clinical curriculum during 3 rd and 4 th year of medical school
2016	The Lanning B. Kline Award, UAB Department of Ophthalmology, excellence in the ophthalmology clerkship
2016	American Academy of Neurology Medical Student Prize for Excellence in Neurology, excellence in the neurology clerkship

- 2015 Alpha Omega Alpha Honor Medical Society (AOA), inducted junior year
- 2012-2016 Paul W. and Martha R. Burlison Medical Scholarship, merit-based scholarship providing full cost of tuition and stipend to UAB School of Medicine
- 2012-2016 The University of Alabama School of Medicine Recruiting Scholarship
- 2014 Introduction to Clinical Medicine Letter of Commendation, top 10% in clinical practice experience during MS-2 year
- 2013 Best Research Poster, Dale J. Benos Medical Student Research Day. UAB School of Medicine, Birmingham, AL
- 2008-2012 The University of Alabama Presidential Scholarship, The University of Alabama Alumni Honors Scholarship, Gwaltney Family Foundation Scholarship, The University of Alabama President's List, Dean's List
- 2008-2011 The honor societies of Phi Beta Kappa, Phi Kappa Phi, Alpha Lambda Delta, Phi Eta Sigma

TEACHING EXPERIENCE/LECTURES

- 2021 The Hybrid Keratoplasty. Grand Rounds, Oregon Health and Science University Department of Ophthalmology
- 2019 MOG Antibody Disease. Neuro-ophthalmology Conference, UAB Department of Ophthalmology
- 2019 A Complete Guide to Dry Eyes. UAB Connections, UAB Department of Ophthalmology
- 2019 Alphabet Soup: IgG4 Related Optic Neuropathy. Grand Rounds, UAB Department of Ophthalmology
- 2018 Just Another Case of Dry Eyes. Grand Rounds, UAB Department of Ophthalmology
- 2018 Diabetic Retinopathy Made Simple. UAB Department of Ophthalmology
- 2018 Validity of a Telemedicine System for the Evaluation of Acute-Phase Retinopathy of Prematurity, UAB Department of Ophthalmology
- 2018 Postoperative Vision Loss Following Non-ocular Surgery. Grand Rounds, UAB Department of Ophthalmology
- 2018 The Do's and Don'ts of Ocular Emergencies. Princeton Baptist Department of Emergency Medicine
- 2015-2016 Medical School Tutor, UAB School of Medicine
- 2015-2016 Clinical Skills Teaching Associate, UAB School of Medicine
- 2013-2014 Learning Communities Mentoring Program, UAB School of Medicine
- 2010-2011 Adult Literacy Tutor, Project Literacy U.S., certified adult literacy tutor

VOLUNTEER, LEADERSHIP, AND EXTRACURRICULAR ACTIVITIES

- 2004-present *"Music For A Cure"*, Co-creator, a fundraiser for pediatric research. Raised over \$50,000 through the production and sales of a benefit CD and performing in two benefit concerts on behalf of regional Children's hospitals. Received a community service award on the national level.
- 2015-2016 AOA Honor Medical Society, Vice President of UAB School of Medicine chapter
- 2014-2016 UAB School of Medicine Admissions Committee, Student Representative
- 2012-2016 Equal Access Birmingham, Committee Member/Volunteer
- 2012-2013 UAB School of Medicine Student Ambassador

PROFESSIONAL MEMBERSHIPS

- 2019-present American Society of Cataract and Refractive Surgery
- 2017-present American Academy of Ophthalmology
- 2017-present Alabama Academy of Ophthalmology
- 2015-present Alpha Omega Alpha Honor Medical Society
- 2014-present Association for Research in Vision and Ophthalmology
- 2012-present American Medical Association

INTERESTS

Classical Pianist

Achievements: Trained for over 19 years with Dr. Witold Turkiewicz and Mrs. Amanda Penick; completed two piano concertos, Rachmaninoff's Piano Concerto No. 2 and Grieg's Piano Concerto in A minor; competed in the Lois Pickard Piano Concerto Competition; performed in master classes with world-renowned pianists; performed in various fundraising concerts, guest artist at the UASOM Scholarship Dinner in 2013 and 2014. Piano instructor for Samford University's Piano Preparatory Music Department, Birmingham, AL.