

Jeffrey M. Bloom

579 Eagle Circle • Dayton, OH 45429

EDUCATION

Retina Institute of California- Acuity Eye Group, Vitreoretinal Fellowship- Los Angeles, California

July 1, 2023- June 30, 2025

- **Main Attendings:** Tom Chang, Mike Davis, Mike Samuels, Tarek Alasil

Kettering Health Ophthalmology Residency Program- Dayton, Ohio

July 1, 2020- June 30, 2023

- **Chief Resident-** July 1, 2022- June 30, 2023

Bay Area Ophthalmology Course, Stanford University Department of Ophthalmology

June 28, 2021- July 28, 2021

Ophthalmology Review Courses:

San Antonio Ophthalmology Course, March 2021

Will's Eye Ophthalmology Course, March 2022

Mount Sinai West/Morningside Preliminary Internal Medicine Residency Program- Manhattan, NY

June 17, 2019-June 30, 2020

Alabama College of Osteopathic Medicine

July 15, 2015- June 1, 2019

- Doctor of Osteopathic Medicine, Sigma Sigma Phi Honors Society

The Ohio State University

September 15, 2011- May 4, 2015

- Bachelor of Science, Honors Degree, Scholars Degree, Biology Major, Entrepreneurship Minor

HONORS AND AWARDS

- Distinguished Contributor- Journal of VitreoRetinal Diseases, Oct 2023
- American Osteopathic Colleges of Ophthalmology & Otolaryngology, Annual Clinical Assembly – Presidential Resident Recognition Award, April 2023
 - In recognition of exemplary service, dedication, and professional excellence
- American Osteopathic Colleges of Ophthalmology & Otolaryngology, Annual Clinical Assembly Research Paper Competition, 3rd Place Winner, April 2023
- Chief Ophthalmology Resident, 7/22- 6/23
- American Osteopathic Colleges of Ophthalmology & Otolaryngology, Annual Clinical Assembly Poster Competition, 2nd Place Winner, May 2022
- ACOM Blumberg Scholarship, 2015- 2019
- Translating Osteopathic Understanding into Community Health, Silver Status recipient, 2015- 2017
- ACOM Osteopath of the Year Nominee, 2016, 2017
- ACOM Student Researcher of the Year Nominee, 2017
- Ambrose Outstanding Student Activist Award Nominee, 2018
- ACOM Quality Improvement Team, 2016
- Ohio State Trustees Scholarship, 2011- 2015
- Ohio State Honors Program, 2011- 2015
- Ohio State Scholar Program, 2011- 2015
- Dean's List, 2011/12, 2012/13, 2013/14, 2014/15

HONORS SOCIETIES

Sigma Sigma Phi Honors Society, October 2016- Present

Honorary Osteopathic Service Fraternity

- A selective membership invite to the top 20% of medical school class that has a minimum of 20 hours of community service per semester

PEER REVIEW JOURNAL ARTICLES/ABSTRACTS

Binder, N. Bloom, J. "Evaluation of Sensitivity and Specificity of Acuity 360 Telemedicine Vision Screening System". *Journal of Telemedicine and Telecare*. April 2024. Status: Submitted

Bloom, J. Alasil, T. "Faricimab in the Treatment of Ranibizumab and Susvimo Resistant Polypoidal Choroidal Vasculopathy". *Journal of VitreoRetinal Disease*. November 2023. Status: Published

Bloom, J. Parise, M. Mihok, B. "An Uncommon Case of Monkeypox Presenting with Blepharoconjunctivitis". *Case Reports in Ophthalmology*. November 2023. PMID: 38023611

Ellis, M. Bloom, J. Sisk, R. "Obstructive Sleep Apnea: An Insidious Driver of Recalcitrant Retinal Vascular Disease". *Journal of VitreoRetinal Disease*. June 2022. Status: Submitted

Saeed, O. Bloom, J. Mihok, B. "Asteroid Hyalosis Migration into the Anterior Chamber during Cataract Surgery Case Report". *Case Reports in Ophthalmology* 20 January 2023; 14(1):245-249. PMID: 37383168

Ditch, E. Bloom, J. Sisk, R. Hypotony Maculopathy and Choroidal Detachment from Repeated Nocturnal Ocular Compression in a Pediatric Patient. *American Journal of Ophthalmology Case Reports*. June 2022. PMID: 36016723

Bloom, J. Liles, C. Mihok, B. "The Impale Technique". *The Journal of Ophthalmic Surgery*. April 2022. ISSN: 2578-7160.

Saeed, O. Bloom, J. Spencer, P. "Beacon Aqueous Microshunt- MIGS Procedure to Treat Refractory Glaucoma: Case Report of 6-Month Outcomes". *American Academy of Ophthalmology*. March 2022. Status: Submitted

Bear, J. Bloom, J. Marco, C. "Foreign Body in the Eye of a Patient with Development Delay: A Case Report". *American Journal of Emergency Medicine*. Jan 2022. PMID: 35148926

Bloom, J.M., Mason III, John. O, et al. "Fears, Depression, and Anxieties of Patients with Diabetic Retinopathy and Implications for Education and Treatment." *Journal of VitreoRetinal Disease*, Aug. 2020. PMID: doi:10.1177/247126420936118

Bloom, J, Lopez MJ, Rayi, A. Anatomy, Head and Neck, Eye Levator Labii Superioris Muscle. [Updated 2020 July 27]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2020 Jan-. PMID: NBK541031

Bloom, J, Czyz, Craig. Anatomy, Head, Eye, Iris Sphincter Muscle. [Updated 2019 Jun 6]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2020 Jan-. PMID: NBK532252

Turner, S, Bloom, J. *Approach to Cataracts*. 5-Minute Clinical Consult. Aug 2021.

Bloom J, Beck A.W., Booth K, Novak Z, Spangler EL. *Implementation of a Volunteer-Based Delirium Reduction Program in Vascular Surgery Patients*. Journal for Healthcare Quality. 2019, March.

Bloom, J.M., Mason III, John. O. *Pigment Epithelial Detachment Lesion Simulating a Choroidal Tumor*. Ophthalmic Surgery, Lasers and Imaging Retina. 2018, Aug.

Bloom, J, Ghannoum, M. *The Effectiveness of Cetrylpyridinium Chloride Against Preventing Infection from the Adenovirus*. The Medical Association of the State of Alabama (MASA) Book of Abstracts. Apr 2018. Status: Published.

PENDING RESEARCH PROJECTS

1. Outcomes and Complications Associated with Vitrectomy Membrane Peel for Epiretinal Membrane After Multifocal IOL Placement
2. Passive Flow Characteristics of Commonly Used Vitreoretinal Instruments
3. Management and Outcomes of Bilateral Simultaneous Rhegmatogenous Retinal Detachments
4. Combined Phacoemulsification Vitrectomies in United States Vitreoretinal Surgery Fellowships
5. Axenfeld-Rieger Syndrome: A Unique Case

PRESENTATIONS

Sisk, R. Ellis, M. Bloom, J. “Obstructive Sleep Apnea Amplifies Retinopathy and Macular Edema: Don’t Miss It!”. 2023 ASRS Film Festival. Virtual Presentation.

Bloom, J.M (April 2023). *A Rare Case of Monkeypox Presenting with Blepharoconjunctivitis*. 2023 AOCOO-HNS Annual Clinical Assembly; San Diego, California.

Bloom, J.M (Nov 2022). *A Unique Case of Unilateral Reversible Vision Loss in a Pediatric Patient*. 2022 Dayton Area Society of Ophthalmology.

Bloom, J.M (May 2022). *Outcomes and Complications Associated with Vitrectomy Membrane Peel for Epiretinal Membrane After Multifocal IOL Placement*; 2022 AOCOO-HNS Annual Clinical Assembly Poster Symposium.

Bloom, J.M (May 2022). *Beacon Aqueous Microshunt- MIGS Procedure to Treat Refractory Glaucoma: Case Report of 6-Month Outcomes*; 2022 AOCOO-HNS Annual Clinical Assembly Poster Symposium.

Slingsby, T. Bloom, J.M. (May 2022). *Passive Flow Characteristics of Commonly Used Vitreoretinal Instruments*. American Society of Retina Specialists Film Festival; San Antonio, Texas. Video Presentation.

Sisk, R. Bloom, J.M. (Oct 2021). *Obstructive Sleep Apnea is an Important Cause of Retinopathy and Recalcitrant Retinal Vascular Disease*. American Society of Retina Specialists; San Antonio, Texas. Virtual Presentation.

Bloom, J.M (April 2021). *The Effectiveness of Cetrylpyridinium Chloride Against Preventing Infection from the Adenovirus*; 2021 AOCOO-HNS Annual Clinical Assembly Poster Symposium; Virtual Presentation.

Bloom, J.M. (July 2019). *Aspirin Exacerbated Respiratory Disease and Samter's Triad* PowerPoint/Oral Presentation presented at: Grandview Otolaryngology Department; Dayton, OH, USA.

Mason, John III., Bloom, Jeffrey M. (October 2018). *Pseudomelanoma* PowerPoint/Oral Presentation presented at: Ocular Imaging Conference at the American Academy of Ophthalmology (AAO) Conference; Chicago, IL.

Bloom, Jeffrey M. (October 2018). *Pseudomelanoma* PowerPoint/Oral Presentation presented at: Geisinger Eye Institute Grand Rounds, Danville, PA, USA.

Bloom, Jeffrey M. (September 2018). *Congenital Orbital Anomalies* PowerPoint/Oral Presentation presented at: St. John's Macomb Ophthalmology Department; Detroit, MI, USA.

Bloom, Jeffrey M. (August 2018). *Implementing the Hospital Elder Life Program and its Effect on Post-Operative Delirium* PowerPoint/Oral Presentation presented at: Vascular Surgery Department Grand Rounds, University of Alabama at Birmingham; Birmingham, AL, USA.

Bloom, J.M. (April 2018). *The Effectiveness of Cetrylpyridinium Chloride Against Preventing Infection from the Adenovirus*; Poster presented at: The Medical Association of the State of Alabama (MASA) Research Symposium; Montgomery, AL.

Bloom, J.M. (April 2017). *The Effectiveness of Cetrylpyridinium Chloride Against Preventing Infection from the Adenovirus*; Poster presented at: The MASA Research Poster Symposium; Montgomery, AL.

Bloom, J.M. (October 2016). *The Effectiveness of Cetrylpyridinium Chloride Against Preventing Infection from the Adenovirus* Poster presented at: Society of Hospital Medicine, Wiregrass Chapter; Dothan, AL, USA.

Bloom, J.M., Vogel, M., Adeosun, A. (December 2015). *First Patient Experience: An Act of Benevolence* Poster presented at: The Alabama College of Osteopathic Medicine: Anatomy Grand Rounds; Dothan, AL, USA.

Bloom, J.M. (July 2012). *Background and Optimal Treatment of Early-Stage Non-Small Cell Lung Cancer* Oral Presentation presented at: Kettering Medical Center Oncology Department Grand Rounds; Dayton, OH, USA.

PRELIMINARY PATENTS

- Preliminary patent for the product Cetrylpyridinium Chloride to be used in prevention of the spread of viral conjunctivitis (pinkeye) caused by the Adenovirus

RESEARCH EXPERIENCE

Beacon Aqueous Microshunt Clinical Trial, September 2020- Present

- Participating in a prospective, multicenter, sing-arm clinical study to evaluate the safety and effectiveness of Beacon Aqueous Microshunt in patients with refractory glaucoma.

UAB Department of Ophthalmology, April 2018-2019

- *Pigmented Epithelial Detachment Stimulating a Choroid Tumor*
- *Fears and Anxieties of Diabetic Retinopathy Patients with Implications for Education and Treatment*

UAB Department of Vascular Surgery, December 2017-2019

- *Implementing the Hospital Elder Life Program and its Effect on Post-Operative Delirium*

StatPearls, August 2018-Present

- *Anatomy, Head and Neck, Eye Iris Sphincter Muscle*

Case Western Reserve University Clinical Behavior Research, May 2016- July 2016

- *The Effectiveness of Cetrylpyridinium Chloride Against Preventing Infection from the Adenovirus*

Preclinical Neuropsychopharmacology, Undergraduate Research Assistant, May 2014- August 2014

- Development of animal models to study the neurobiological bases of cognitive impairments in schizophrenia

Microbiology Department, Undergraduate Research Assistant, February 2013- May 2014

- Translational control of antibiotic resistance

PROFESSIONAL MEMBERSHIPS & POSITIONS

- Wright State School of Medicine Ophthalmology Interest Group Resident Liaison
- Young MD Connect, 2021- Present
- American Osteopathic Colleges of Ophthalmology & Otolaryngology- Head & Neck Surgery, 2018- Present
 - Ophthalmology Chair Elect, 04/2022- Present
 - Strategic Advisor for AOCO Community
- American Academy of Ophthalmology (AAO), 2020- Present

- Dayton Area Society of Ophthalmology (DASO), 2020- Present
- American Medical Association (AMA), 2017- Present
- You Belong in Birmingham, Recruitment Chair, 10/2017-4/2019
- Society of Physician Entrepreneurs (SoPE), 2015- 2019
 - Co-Founder of ACOM Chapter, Vice-President, 12/2015-03/2017
- American Medical Student Association (AMSA), 2015- Present
- Student National Medical Association (SNMA), 2015- Present
- American Osteopathic Association (AOA), 2015- Present

CONFERENCES

- AOCOO-HNS Annual Assembly, May 2022
- Retina Summit for Fellows and Residents, Attended Sept 2021
- AOCOO-HNS Mid-Year Conference Sept 2018, Sept 2021 (Virtual)
- AAO National Conference, Nov 2020 (Virtual), Nov 2021
- Telling It Like It Is Cataract Conference, April 2021, April 2022

WORKSHOPS & CERTIFICATIONS

iFS Laser Cataract Suite Surgeon Certified, Oct 2022

- Certified for an iFS Femtosecond Laser Cataract Suite

Bausch & Lomb Surgical Mentorship Program, April 2022

- Provided residents with a hands-on educational experience learning cataract and refractive surgical techniques with a full afternoon practicing on the Stellaris Elite phacoemulsification platform

Dextenza/ReSure Sealant Educational Program, Ocular Therapeutix, September 2021

- Certified following completion of Dextenza/ReSure Sealant Education Program by Ocular Therapeutix

Kahook Dual Blade Goniotomy Certified, New World Medical, April 2021

- Certified following completion of the Kahook Dual Blade training program by New World Medical

MicroPulse Transscleral Laser Therapy Certified, October 2020

- Certification through IRIDEX, prepares physicians to perform MicroPulse Transscleral Laser Therapy for glaucoma using the MicroPulse P3 Probe via the Cyclo G6 Glaucoma Laser System.

Surgical Trauma Workshop, March 2016

- Hands-on trauma workshop with labs such as lag screw fixation, locking plate and screw fixation, standard non-locking fixation, intramedullary nail, and external fixator application

NONPROFIT WORK

Unlimited Paw-Ability, Founder, July 2021- Present

- Our mission is to enrich the lives of the legally blind by raising money to help those in need to afford Seeing Eye service dogs while finding the perfect human and dog matches

NOTABLE VOLUNTEER ACTIVITIES

B'nai B'rith Youth Organization (BBYO) Advisor, November 2021- Present

- Advisor and role model to high school youth group members

Project 1500 Question Contributor, July 2021- Oct 2021

- Volunteer question writer for new ophthalmic education initiative. The goal of Project 1500 is to offer ophthalmologists in training a high quality, user friendly experience at no cost to prepare for their boards

Wright State Ophthalmology Interest Group Resident Liaison, July 2021- Present

- A mentor and liaison to the local medical school ophthalmology interest group. Have given lectures, provided research opportunities, and mentorship/advice to many of the medical students

Shelby County Sports Physicals, January 2018

- Conducted sports physicals for middle schools and high schools in Shelby County

ACOM Mentorship Program, July 2017- July 2018

- Mentored two first-year medical students to become accustomed to matriculating into medical school

First Aid for USMLE Step 1 Student Editor, May 2018

- Added new information to the 2018 edition of USMLE Step 1 First Aid and revised old information.

Selma Street Elementary Health Screening, January 2016

- Took the BMI's while teaching the patients lessons on how to maintain a healthy lifestyle

Alabama Foster Home Visits, February 2016- February 2017

- Structured the Wiregrass Children's Foster Home partnership program and co-founded the organization that partnered with it

Buck-I-Serve Trip, The Medici Project, December 2013

- Participated in numerous hands-on service projects with various organizations in inner city New York

Sammy Fashion Show, The Ohio State University, February 2011, 2012

- Created the Sammy Fashion Show that raised over \$3,500 for the Judy Fund (Alzheimer Association) and had over a thousand people in attendance

Friendship Circle, 2007-2009 and November 2013-May 2014

- Mentored a child with autism while building lasting friendships

PRE-MEDICAL SCHOOL MEDICAL FIELD EXPERIENCE

Clinical Behavior Research, Case Western Reserve University, May 2016- July 2016

- Developed a method to measure the effectiveness of a new pharmaceutical product, ARMS, in preventing the infection of adenovirus

Physician's Aid, Capital City Pain Management, May 2014- September 2014

- Spent the summer working up the patients, assisting the pain management physician with procedures and exams, and ordering neuroradiology tests and drug tests for the patients

Physician's Aid, Dayton Children's Medical Center Pediatric Ophthalmology, December 2012- January 2013

- Gained valuable operating room protocol and operating procedure experience while also receiving clinical exposure and knowledge about different techniques

Intern in Radiation Oncology Department, Kettering Medical Center, May 2012-July 2012

- Interned with a radiation oncologist and worked with cancer patients while receiving a thorough understanding of the latest equipment and techniques for slowing down cancer growth

PREVIOUS NON-MEDICAL EMPLOYMENT

Trending Sounds Entertainment Group, Co-Founder and Vice-President, October 2012- May 2015

- Offered full-service entertainment packages. Our unique approach to Bar/Bat Mitzvahs, weddings, and corporate events set a new trend with an emphasis on originality and customer satisfaction.

Material Obsessions, Founder, September 2012- May 2015

- Founded a clothing line where my team and I designed and sold our own apparel.

Center of Science and Industry (CoSI), Associate, May 2013- April 2014

- Worked throughout junior year of college for the Center of Science and Industry. Helped implement the new parking system and assisted those with directions and guidance around the science museum.

INTERESTS AND HOBBIES

I am Jeffrey Bloom, and:

- I am an avid bookworm who loves reading non-fiction and historical books.
- I am (was) an athlete who loves nutrition and personal fitness, notably lifting weights, snow skiing and basketball.
- I am a foodie who loves to travel to new cities to try the local cuisines and learn about the history of that culture.
- I am a baseball card and memorabilia collector who collects rare baseball and football cards and various sports memorabilia.
- I am a mentor for many within my community, including younger medical students.
- I am an entrepreneur who minored in entrepreneurship in college, helped start two companies in college, and co-founded the Society of Physician Entrepreneurs organization at my medical school.