

Blake Marleau Snyder, MD

Clinical Instructor Global Ophthalmology Fellow

Stanford Global Ophthalmology Fellow, in partnership with Cure Blindness

Uveitis & Ocular Inflammation Subspecialist (UCSF Proctor '25)

Byers Eye Institute, 2452 Watson Ct, Palo Alto, CA 94303

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Physician-scientist focused on uveitis, implementation science, and global ophthalmology education

EDUCATION & TRAINING

Global Ophthalmology Fellowship

Byers Eye Institute, Stanford University, Palo Alto, CA

July 2025 - Present

Uveitis & Ocular Inflammation Fellowship

University of California, San Francisco - Francis I. Proctor Foundation, San Francisco, CA

July 2024 - July 2025

Ophthalmology Residency

University of California, Davis, Sacramento, CA

July 2021 - June 2024

Chief Resident (2023-2024)

Internship - Transitional Year

Sky Ridge Medical Center – HealthONE, Lone Tree, CO

July 2020 - June 2021

Doctor of Medicine (MD)

University of Colorado School of Medicine, Aurora, CO

August 2014 - May 2020

Note: Timeline includes two additional years of grant-funded clinical research fellowships at UCSF Francis I. Proctor Foundation with Doris Duke Charitable Foundation and Research to Prevent Blindness, which led to further support from the Fulbright Scholars Program and the Bill & Melinda Gates Foundation.

Alpha Omega Alpha (AOA) Honor Society - Junior Leader (one of six students selected from entire medical school cohort)

Graduated with Distinction

Graduated with Honors

Selected for Academic Excellence by School of Medicine Promotions Committee

Top Quartile of Class

USMLE Step 1: 251

Bachelor of Arts, Biochemistry

University of Colorado, Boulder, CO

August 2008 – December 2012

Graduated *summa cum laude*, with highest honors, With Distinction, and Phi Beta Kappa

Minor in Chemistry — Overall GPA: 3.8 — Major GPA: 3.9

BOARD CERTIFICATION

Board Eligible, American Board of Ophthalmology — Written Qualifying Exam passed 2025; Oral Exam planned Spring 2026.

CLINICAL EXPERIENCE & EXPERTISE

Uveitis & Inflammatory Eye Disease

Uveitis Fellowship Clinical Experience(UCSF Proctor Foundation, 2024-2025)

- **Patient Volume:** Managed over 1,000 patients with diverse forms of uveitis
- **Procedures:** Performed over 100 anterior chamber paracentesis procedures for diagnostic purposes
- **Infectious Uveitis:** CMV retinitis, toxoplasmosis, syphilitic uveitis, tuberculous uveitis, viral retinitis
- **Non-infectious Uveitis:** Sarcoidosis, Behçet's disease, Vogt-Koyanagi-Harada disease, sympathetic ophthalmia, white dot syndromes
- **Pediatric Uveitis:** Extensive experience with Juvenile Idiopathic Arthritis (JIA)-associated uveitis
- **Biologic Therapy:** Comprehensive management of all on- and off-label biologics including adalimumab, infliximab, and tocilizumab
- **Multidisciplinary Collaboration:** Worked closely with rheumatology, infectious disease, and internal medicine

Comprehensive Ophthalmology & Surgical Experience

General Ophthalmology

- 10+ years of clinical experience across University, Community, VA, and Private Hospital settings
- Proficient with Epic, Cerner, Athenahealth, eClinicalWorks, Meditech, and VA Medical Center EMR systems

Cataract & Anterior Segment Surgery

- 150+ primary cataract surgeries as primary surgeon
- 1,000+ attended cataract surgeries
- Certified: Malyugin Ring, I-Ring, X1-Ring, X2-Ring mechanical pupillary dilators, MiLoop system
- Trained in Manual Small Incision Cataract Surgery (MSICS)
- 3 years Level-1 Trauma Center experience with 10+ primary open globe explorations and repairs

Glaucoma

- Certified: iStent MIGS, Hydrus MIGS
- Proficient in CPC, LPI, and SLT laser procedures

Retina & Vitreous

- 500+ anti-VEGF intravitreal injections
- Proficient in laser retinopexy and PRP laser procedures

Oculoplastics & Reconstructive Surgery

- 100+ primary upper lid blepharoplasty procedures
- Extensive Level-1 trauma experience: marginal and full-thickness lid laceration repairs
- Eyelid lesion excision and reconstruction

Pediatric Ophthalmology

- 50+ primary strabismus surgeries (horizontal deviations)
- Comfortable with comprehensive pediatric eye care

Uveitis Specialist - Fellow & Interim Director of Service

Zuckerberg San Francisco General Hospital (SFGH) — *July 2024 - July 2025*

Ran a weekly uveitis clinic as the **sole uveitis provider at SFGH**, treating patients with complex ocular conditions in the San Francisco safety net hospital system, including a large immigrant population. Independently performed cataract surgery throughout the fellowship year without any surgical complications and served as the attending surgeon for resident cases throughout the year.

Pediatric Ophthalmology Provider

UCSF Benioff Children's Hospital Oakland (BCHO) — *October 2024 - July 2025*

Provided comprehensive pediatric ophthalmology care, appointed to address a provider shortage in the East Bay and to serve the pediatric patient population.

TEACHING & MEDICAL EDUCATION

Curriculum Development

- **Establishing a Global Uveitis Exchange: Bangkok to San Francisco** (2025): Developed and presented a proposal for a new international rotation at UCSF Consensus Rounds.
- **Honduras-US Ophthalmology Residency Partnership** (2022-Present): Established the first partnership between a US ophthalmology residency and the only ophthalmology residency program in Honduras. Developed educational materials now used globally through Cybersight, Orbis International, reaching healthcare workers worldwide.

Leadership & Mentorship

- **Chief Resident**, UC Davis Ophthalmology (2023-2024)
- **Global Health Track President**, University of Colorado (2014-2020, 6 years)
- **Tutor**, University of Colorado School of Medicine (2014-2016, 1,000+ hours)
- **Teaching Assistant**, University of Colorado (2011-2012)

RESEARCH EXPERIENCE

Principal Investigator - Compressive Optic Neuropathy Study

University of California Davis — *July 2021 - June 2024*

Led a novel investigation into the application of Optical Coherence Tomography Angiography (OCTA) in Compressive Optic Neuropathy. This research has the potential to guide future clinical trials for medications that treat etiologies with orbital compression, such as Thyroid Eye Disease. Results presented as oral presentation at The American Society of Ophthalmic Plastic and Reconstructive Surgery Annual Fall Scientific Symposium (September 2022).

Clinical Investigator - Teleophthalmology for Diabetic Retinopathy

University of California Davis — *September 2021 - July 2024*

Investigated the expansion of teleophthalmology programs for diabetic retinopathy screening during the COVID-19 pandemic. Original investigation presented at ARVO 2022. Ongoing studies examining scalability and implementation in underserved communities.

Research Investigator - Health Policy & Corneal Donation Access

Independent Collaboration — *September 2021 - July 2024*

In collaboration with Dr. Puente, conducted research that shed light on federal regulations prohibiting corneal donation by men who have sex with men. This manuscript gained significant traction with commentaries in AAO, Ophthalmology Times, and JAMA Ophthalmology, leading to Congressional action. The FDA subsequently announced its intention to change this outdated regulation by the end of 2024, expanding access to corneal transplantation for thousands of patients.

Ophthalmology Fellow & International Clinical Research Fellow

University of California San Francisco, Francis I. Proctor Foundation — *July 2017 - July 2020*

Doris Duke Charitable Foundation

Completed two separate year-long, grant-funded research fellowships in clinical ophthalmology focusing on infectious and inflammatory eye disease in resource-limited settings. Research resulted in multiple first-author publications in high-impact journals including American Journal of Ophthalmology, International Health, and PLOS ONE. Received Top Poster Award at American Academy of Ophthalmology Annual Meeting (2018).

Key Projects:

- CMV retinitis screening and quality of life outcomes in Thailand
- Smartphone photography for trachoma surveillance in Burkina Faso
- Computer-assisted AI screening for glaucoma
- Non-expert fundus photo grading for diabetic retinopathy and eye disease screening

International Volunteer & Principal Investigator - Guatemala Blindness Prevention

University of Colorado Ophthalmology Department — *June 2018 - August 2019*

Implemented an assessment of avoidable blindness at the Trifinio Center for Human Development in Guatemala. Established an ongoing collaboration creating a sustainable partnership between the University of Colorado Department of Ophthalmology and local residency programs to provide vision services to the region. Research received Top Presenter Award at University of Colorado School of Medicine Annual Capstone Session (2019).

Clinical Researcher - Trachoma & Child Health in Burkina Faso

Francis I. Proctor Foundation & Centre de Recherche en Sante de Nouna — *June 2017 - July 2018*

Assessed the utility of smartphone photography for trachoma surveillance and evaluated the effects of antibiotics in settings with high child mortality. Pilot studies published in American Journal of Tropical Medicine & Hygiene and International Health. Presented at ASTMH Annual Meeting, leading to a larger Bill & Melinda Gates Foundation-funded investigation.

Principal Investigator - Carbapenem-Resistant Organisms Study

University of Colorado School of Medicine & Christian Medical College, Vellore, India — *June 2015 - September 2015*

Implemented a retrospective chart review to assess potential risk factors for acquiring carbapenemase-resistant organisms, specifically NDM-1. Research presented at three international conferences including the 17th International Conference for Infectious Disease. Published in Epidemiology & Infection (2019).

Intramural Research Training Award Fellow

National Institute of Neurological Disorders & Stroke, NIH — *April 2013 - April 2014*

Administered and analyzed clinical and experimental outcome measures, including retinal nerve fiber layer thickness, to track disease progression in multiple sclerosis patients longitudinally. Results presented at American Academy of Neurology 67th Annual Meeting (2015) and published in Frontiers in Neurology (2016).

Research Volunteer

National Institute of Diabetes and Digestive and Kidney Disorders, NIH — *May 2013 - December 2013*

Contributed to energy metabolism study featured in the New York Times.

Undergraduate Research Assistant

University of Colorado, Sousa Lab Group — *June 2011 - December 2012*

Characterized ArnD, an essential enzyme for Polymyxin resistance, the leading cause of death in cystic fibrosis patients. Wrote and defended honors thesis, receiving unanimous summa cum laude designation.

CLINICAL TRIALS EXPERIENCE

ADJUST Trial(Adalimumab in JIA-associated Uveitis Stopping Trial)

Clinical Investigator — UCSF Proctor Foundation — 2024-2025

- Contributed to patient enrollment, clinical assessments, and data collection for this multicentre, international, double-masked, randomized controlled trial assessing the efficacy and safety of discontinuing adalimumab in patients with controlled JIA-associated uveitis.
- The trial, which enrolled 87 patients across 21 sites, was published in *The Lancet* in 2025.

LOTUS Trial(Leveraging Ocular Tissues in Uveitis Study)

Clinical Investigator — UCSF Proctor Foundation — 2024-2025

- Contributed to patient enrollment, sample collection (anterior chamber paracentesis), and clinical data collection for this NIH R-01 funded study using high-throughput sequencing and metagenomics for uveitis diagnosis.

CapriCORN Study(Comprehensive Analysis of Pathogens, Resistomes, and Inflammatory-markers in the CORNea)

Clinical Investigator — UCSF Proctor Foundation — 2024-2025

- Contributed to patient enrollment, sample collection — UCSF Proctor Foundation — 2024-2025

MORDOR Trial(Macrolides Oraux pour Réduire les Décès avec un Oeil sur la Résistance)

Pilot Study Contributor— UCSF Proctor Foundation & The Carter Center — 2017-2018

- Assisted in pilot studies for this large-scale randomized controlled trial evaluating the effect of mass drug distribution of azithromycin to improve childhood mortality in Niger and Burkina Faso.

Trachoma Research Program

Research Contributor — UCSF Proctor Foundation — 2017-2018

- Contributed to multiple ongoing trachoma surveillance and treatment studies, including a study using a novel iPhone attachment for imaging.

PUBLICATIONS

(Total Citations as of October 2025: 255)

First-Author Publications

1. **Snyder BM**, Vargas-Ramos T, Ross J, Ellis M, Bacorn C, Lee SC, Lim M, Yiu G. Expansion of a teleophthalmology program for diabetic retinopathy screening during the COVID19 pandemic. *Invest Ophthalmol Vis Sci*. 2022;63(7):1418–A0114.
2. **Snyder BM**, Ausayakhun S, Ausayakhun S, Nanegrungsunk O, Apivatthakakul A, Narongchai C, Melo JS, Keenan JD. Clinic-Based Eye Disease Screening Using Non-Expert Fundus Photo Graders at the Point of Screening: Diagnostic Validity and Yield. *Am J Ophthalmol*. 2021 Jul;227:245-253. doi: 10.1016/j.ajo.2021.03.029. PMID: 33823160.
3. **Snyder BM**, Shyu I, Haghighi A, Chaikitmongkol V, Choovuthayakorn J, Hansapinyo L, Leeungurasatien T, Watanachai N, Ausayakhun S, Ausayakhun S, Keenan JD. Validity and reproducibility of ophthalmologist photo grading of diabetic retinopathy and glaucoma. *Can J Ophthalmol*. 2020 Jun;55(3):272-273. doi: 10.1016/j.jcjo.2019.11.006. PMID: 31941590.
4. **Snyder BM**, Sié A, Tapsoba C, Dah C, Ouermi L, Zakane SA, Keenan JD, Oldenburg CE. Smartphone photography as a possible method of post-validation trachoma surveillance in resource-limited settings. *Int Health*. 2019 Nov 13;11(6):613-615. doi: 10.1093/inthealth/ihz035. PMID: 31329890; PMCID: PMC7967810.
5. **Snyder BM**, Nam SM, Khunsongkiet P, Ausayakhun S, Leeungurasatien T, Leiter MR, Sevastopolsky A, Joye AS, Berlinberg EJ, Liu Y, Ramirez DA, Moe CA, Ausayakhun S, Stamper RL, Keenan JD. Accuracy of computer-assisted vertical cup-to-disk ratio grading for glaucoma screening. *PLoS One*. 2019 Aug 8;14(8):e0220362. doi: 10.1371/journal.pone.0220362. PMID: 31393904; PMCID: PMC6687168.
6. **Snyder BM**, Montague BT, Anandan S, Madabhushi AG, Pragasam AK, Verghese VP, Balaji V, Simões EAF. Risk factors and epidemiologic predictors of blood stream infections with New Delhi Metallo- β -lactamase (NDM-1) producing Enterobacteriaceae. *Epidemiol Infect*. 2019 Jan;147:e137. doi: 10.1017/S0950268819000256. PMID: 30869056; PMCID: PMC6518792.
7. **Snyder BM**, Mounessa JS, Fazzari M, Caravaglio JV, Kretowicz A, Braunberger T, Wells K, Dunnick CA, Dellavalle RP, Alkousakis T. Greater distance to an academic medical center is associated with poorer melanoma prognostic factors: The University of Colorado Experience. *Dermatol Online J*. 2017 Nov 15;23(11):13030/qt9qz0p2bz. PMID: 29447632.
8. **Snyder BM**, Lee M, Sousa M. Mutagenic analysis of ArnD, an enzyme essential for polymyxin resistance. *Honors Journal*.

2012.

9. **Snyder BM**, Wu J, Dickinson A, Leidy L, O'Connor S. ORBIS Telemedicine: CyberSight Eye Care: Essential Skills for Community Healthcare Workers. <https://cybersight.org/course/eye-care-essential-skills-for-community-health>

Contributing Author Publications (Selected)

10. Norris TW, **Snyder BM**, Purta P, Spilman RP, Craig VJ. COVID-19 and Lung Cavitation: A Clue to Pathogenesis? *HCA Healthc J Med*. 2022 Aug 29;3(4):253-256. doi: 10.36518/2689-0216.1361. PMID: 37426868; PMCID: PMC10324710.

11. Kumar A, Ausayakhun S, Ausayakhun S, Apivatthakakul A, Liu Y, **Snyder BM**, Margolis TP, Keenan JD. Quality of Life Outcomes Among Patients Being Screened for Cytomegalovirus Retinitis in Thailand. *Ocular Immunology and Inflammation*. Sept. 2023.

12. Puente MA, Patnaik JL, Lynch AM, **Snyder BM**, Caplan CM, Pham B, Neves da Silva HV, Chen C, Taravella MJ, Palestine AG. Association of Federal Regulations in the United States and Canada With Potential Corneal Donation by Men Who Have Sex With Men. *JAMA Ophthalmol*. 2020 Nov 1;138(11):1143-1149. doi: 10.1001/jamaophthalmol.2020.3630. PMID: 32970105; PMCID: PMC7516798.

13. Neesemann JM, Seider MI, **Snyder BM**, Maamari RN, Fletcher DA, Haile BA, Tadesse Z, Varnado NE, Cotter SY, Callahan EK, Emerson PM, Margolis TP, Lietman TM, Keenan JD. Comparison of Smartphone Photography, Single-Lens Reflex Photography, and Field-Grading for Trachoma. *Am J Trop Med Hyg*. 2020 Dec;103(6):2488-2491. doi: 10.4269/ajtmh.20-0386. PMID: 33021196; PMCID: PMC7695070.

14. Ausayakhun S, Yen M, Jirawison C, Ausayakhun S, Khunsongkiet P, Leenasirimakul P, Kamphaengkham S, **Snyder BM**, Heiden D, Holland GN, Margolis TP, Keenan JD. Visual acuity outcomes in cytomegalovirus retinitis: early versus late diagnosis. *Br J Ophthalmol*. 2018 Dec;102(12):1607-1610. doi: 10.1136/bjophthalmol-2018-312191. PMID: 30206157.

15. Sié A, Dah C, Ouermi L, Tapsoba C, Zabre P, Bärnighausen T, Lebas E, Arzika AM, **Snyder BM**, Porco TC, Lietman TM, Keenan JD, Oldenburg CE. Effect of Antibiotics on Short-Term Growth among Children in Burkina Faso: A Randomized Trial. *Am J Trop Med Hyg*. 2018 Sep;99(3):789-796. doi: 10.4269/ajtmh.18-0342. PMID: 30014828; PMCID: PMC6169163.

16. Sié A, Tapsoba C, Dah C, Ouermi L, Zabre P, Bärnighausen T, Arzika AM, Lebas E, **Snyder BM**, Moe C, Keenan JD, Oldenburg CE. Dietary diversity and nutritional status among children in rural Burkina Faso. *International Health*. 2018 May;10(3):157-162. PMID: 29579204.

17. Sevastopolsky A, Drapak S, Kiselev K, **Snyder BM**, Georgievskaya A. Stack-U-Net: Refinement Network for Image Segmentation on the Example of Optic Disc and Cup. *International Conference on Medical Image Computing & Computer Assisted Intervention*. 2018 April.

18. Kosa P, Ghazali D, Tanigawa M, Barbour C, Cortese I, Kelley W, **Snyder BM**, Ohayon J, Fenton K, Lehky T, Wu T, Greenwood M, Nair G, Bielekova B. Development of a Sensitive Outcome for Economical Drug Screening for Progressive Multiple Sclerosis Treatment. *Frontiers in Neurology*. 2016 Aug;7(1):131. PMID: 27574516.

Other Relevant Publications

19. American Ophthalmologists' Partner with Honduran Residency Program. Skoeken T, et al. *Healio Ophthalmology News*. Feb 2023. <https://www.healio.com/news/ophthalmology/20230206/american-ophthalmologists-partner-with-honduran-residency-program>

(Not listed as author but featured as key contributor to the partnership described)

Manuscripts Under Review or In Preparation

20. Ausayakhun S, Kumar A, Ausayakhun S, Apivatthakakul A, Liu Y, **Snyder BM**, Keenan JD. Psychometric validity of responses to a vision-related quality of life instrument when administered to a Thai population. *Quality of Life Research*. Under Review.

21. **Snyder BM**, et al. Non-ophthalmologist Screening for Retinal Causes of Avoidable Blindness in Rural Guatemala. *International Health*. In preparation for publication.

22. Holland GN, **Snyder BM**, Neesemann JM, Cordova DW, Zatreanu L, Murphy RL, Drew WL, Yu F, Heiden D, Keenan JD. AIDS-Related Cytomegalovirus Retinitis in Low- and Middle-Income Countries: A Systematic Review. In preparation for publication.

HONORS & AWARDS

Post-Graduate Awards

- **Sacramento Rainbow Chamber of Commerce** - Inaugural Awardee, Resident & Fellows Debt Relief Award (October 2023)
- **UC Davis School of Medicine** - Global Health Travel Award (June 2023)
- **California Academy of Eye Physicians and Surgeons (CAEPS)** - American Academy of Ophthalmology Young Ophthalmologist Mid-Year Forum Fellow (May 2023)
- **Association for Research in Vision and Ophthalmology (ARVO)** - Top Poster Award (May 2022)
- **Dr. Jim Ruben Ophthalmology Advocacy Award** (April 2022)
- **Association for Research in Vision and Ophthalmology (ARVO)** - NEI Grant (March 2022)
- **Hagen Schroeter Incentive Research Fund Award** (December 2021)

Medical School Graduation Awards

- **Department of Ophthalmology Award** - Sole recipient in graduating class (May 2020)
- **Alpha Omega Alpha (AOA) Honor Medical Society** - Junior Leader, one of six students selected from entire medical school cohort (May 2020)
- **Academic Excellence Award** - School of Medicine Promotions Committee (May 2020)

Scholarships, Grants & Fellowship Awards

- **Presidential Scholarship** - University of Colorado School of Medicine (2014-2020, four-time recipient)
- **Wilson Family Scholarship** - University of Colorado School of Medicine (2014-2020, four-time recipient)
- **Francis I. Proctor Ophthalmology Research Fellowship** (2018-2019)
- **Doris Duke Charitable Fund International Clinical Research Fellowship** (2017-2018)
- **NIH Intramural Research Training Award** - National Institutes of Health (2013-2014)
- **Achievement Reward for College Scientists (ARCS)** (2018)
- **Calvin L Wilson Award for Future Leaders in Global Health** (2018)
- **ALTA California Eye Research Foundation Award** (2018)
- **C.S. O'Brien Professorship at Tulane Ophthalmology** - First Prize, Oral Presentation (2019)
- **University of Colorado School of Medicine Capstone Session** - Top Presentation in Global Health (2019)
- **American Academy of Ophthalmology Annual Meeting** - Top Poster Award in Subject Area (2018)
- **Center for Innovative Design and Analysis** - Mentored Scholarly Activity Small Grant (2018)
- **University Physicians Inc.** - Diversity Scholarship (2015-2018, three-time recipient)
- **University Physicians Inc.** - Merit Scholarship (2015-2018, three-time recipient)
- **Dept. of Surgery John E. DeLauro Scholarship for Excellence** (2016-2017)
- **Richard W. Whitehead Merit & Diversity Scholarship** (2016-2017)
- **Department of Medicine Research & Equity in Academic Medicine (DREAM) Program Scholarship** (2015)
- **Center for Global Health** - Robinson Durst Scholarship (2015)
- **Wilson-Burrows Peer Teaching Award Nomination** (2014-2015)

Undergraduate Awards & Scholarships

- **Phi Beta Kappa** (2012)
- **Summa Cum Laude** - Only student in department to graduate with this distinction (2012)
- **Graduation With Distinction** in Biochemistry and Chemistry (2012)
- **Teaching Assistantship** (2011-2012)
- **Ball Aerospace Grant** (2012)
- **Undergraduate Research Opportunity Program** (2011-2012)
- **David W. Teets Scholarship** (2010-2012)
- **Thrift Store Scholarship** (2008-2010)
- **Elks Lodge Scholarship** (2008-2009)

PROFESSIONAL AFFILIATIONS

- American Academy of Ophthalmology (AAO)
- Association for Research in Vision and Ophthalmology (ARVO)
- American Society of Cataract and Refractive Surgery (ASCRS)
- California Academy of Eye Physicians and Surgeons (CAEPS)
- American Medical Association (AMA)
- Sacramento Society of Ophthalmology

LANGUAGES

- English (Native)
- Spanish (Professional Working Proficiency)

HOBBIES & INTERESTS

Skiing, Hiking, Biking, Basketball, Yoga, Cooking, Running, Surfing, SCUBA Diving, Art, Live Music, Travel