

ANDREW ZHENG, M.D.

(303) 261-1600
Denver, CO

WORK EXPERIENCE

- 09/2023 – current **Vitreoretinal surgery and uveitis specialist, Colorado Retina Associates** (Denver, CO)
- 09/2020 – 06/2021 **Consultant ophthalmologist, Fairview Hospital, Cleveland Clinic** (Cleveland, OH)

EDUCATION & TRAINING

- 07/2021 – 07/2023 **Vitreoretinal Surgery Fellowship, Emory Eye Center, Emory University** (Atlanta, GA)
- 07/2020 – 06/2021 **Uveitis Fellowship, Cole Eye Institute, Cleveland Clinic** (Cleveland, OH)
- 07/2017 – 06/2020 **Ophthalmology Residency, Cole Eye Institute, Cleveland Clinic** (Cleveland, OH)
- 06/2016 – 06/2017 **Transitional Internship, Santa Clara Valley Medical Center** (San Jose, CA)
- 08/2011 – 05/2016 **MD, Columbia University** (New York, NY)
- College of Physicians and Surgeons
- 08/2007 – 05/2011 **BS, Duke University** (Durham, NC)
- Trinity College of Arts and Sciences
 - Bachelor of Science in chemistry and biology, *cum laude*

LICENSES & BOARD CERTIFICATION

- 08/01/2023 **Medical License, Kansas State Board of Healing Arts**
- 04/04/2023 **Medical License, Colorado Medical Board**
- 10/21/2022 **Diplomate, American Board of Ophthalmology**

PUBLICATIONS

- Zheng, A** and Sharma, S. “Novel diagnostic imaging techniques and applications in anterior uveitis, intermediate uveitis, and scleritis.” *Ann Eye Sci*. Article in press.
- Zheng, A**, Singh, RP, and Lavine, JA. “Surgical options and outcomes in the treatment of optic pit maculopathy: A meta-analysis and systematic review.” *Ophthalmol Retina* **4**(3): 289 - 299.
- Zheng, A**, Boss, J, and Rachitskaya, AV. “Non-invasive structural imaging of a retinal cavernous hemangioma using swept-source optical coherence tomography angiography.” *OSLI Retina* **50**(11): e320 – 323.
- Justus, S, **Zheng, A**, *et al.* (2016). “Genome editing in the retina: A case study in CRISPR for a patient-specific autosomal dominant retinitis pigmentosa model.” In K Turksen (Ed.), *Genome Editing* (pp. 149 – 162). Springer International Publishing.
- Bassuk, A, **Zheng, A**, *et al.* (2016). “Precision medicine: Genetic repair of retinitis pigmentosa in patient-specific stem cells.” *Scientific Reports* **6**.
- Zheng, A**, Chin, EK, *et al.* (2016). “Combined vitrectomy and intravitreal dexamethasone (Ozurdex) sustained-release implant.” *Retina* **36**(11): 2087 – 92.
- Zhang, L, **Zheng, A**, *et al.* (2016). “Laser induced photic injury phenocopies macular dystrophy.” *Ophthalmic Genetics* **37**(1): 59 – 67.

- Zheng, A.** Li, Y, and Tsang, SH. (2015). “Personalized therapeutic strategies for patients with retinitis pigmentosa.” *Expert Opinion on Biological Therapy* 15(3): 391 – 402.
- Matei, E, **Zheng, A.**, et al. (2010). “Anti-HIV activity of defective cyanovirin-N mutants is restored by dimerization.” *Journal of Biological Chemistry* 285(17): 13057 – 65.

ABSTRACTS & PRESENTATIONS

- Zheng, A.** Arshad, J, Sharma, S, et al. (2020, November). “Diagnostic performance and utility of serum angiotensin-converting enzyme level and chest radiography in sarcoid uveitis.” Poster presentation at the AAO 2020 Annual Meeting, Las Vegas, NV.
- Zheng, A.** and Tsang, SH. (2015, June). “Therapeutic studies for retinitis pigmentosa in the autosomal dominant *Rho^{D190N/+}* mouse model.” Podium presentation at the John T. Flynn Annual Residents & Fellows Research Day, New York, NY.
- Zheng, A.** Wu, WH, Hsu, CW, and Tsang, SH. (2015, May). “Evidence of CRISPR/Cas9-induced gene editing affecting disease progression in a mouse model of retinitis pigmentosa.” Poster presentation at the Howard Hughes Medical Institute 2015 Scientific Meeting of Medical Fellows, Chevy Chase, MD.
- Zheng, A.** and Tsang, SH. (2015, May). “Comparing functional and structural measures of disease progression in retinitis pigmentosa.” Poster presentation at the ARVO Annual Meeting, Denver, CO.
- Zheng, A.** and Tsang, SH. (2015, April). “Progressive vision loss beginning late in life.” Clinical case presentation at the LuEsther T. Mertz Annual Lectureship, New York, NY.

AWARDS & HONORS

- 06/03/2023 **Fellow of the Year**
Graduation Dinner, Emory Eye Center
- 06/03/2023 **2nd Place, Scientific Paper Presentation**
Residents and Fellows Scientific Session, Emory Eye Center
- 10/08/2018 **Residents’ Retreat**
Heed Ophthalmic Foundation, Chicago, IL
- 06/23/2018 **Highest OKAP exam score**
Residents’ Day, Cole Eye Institute, Cleveland Clinic Foundation
- 05/17/2016 **Samuel and Beatrice Leib Memorial Prize in Ophthalmology**
Class Day, College of Physicians & Surgeons, Columbia University
- For an outstanding graduate entering ophthalmology
- 06/11/2015 **B. Dobli Srinivasan Award, Best Basic Science Paper**
Residents & Fellows Research Day, Edward S. Harkness Eye Institute, Columbia University
- Best podium presentation of a basic science research project
- 05/2014 – 04/2015 **Howard Hughes Medical Institute Medical Research Fellows Program**
HHMI (Chevy Chase, MD) and Foundation Fighting Blindness (Columbia, MD)
- One of 70 students selected in a national competition that provides one year of funding for biomedical research, conference travel, and career advising experiences.

RESEARCH

- 05/2014 – 05/2016 **Stem Cell Laboratory, Harkness Eye Institute, Columbia University Medical Center**
Laboratory of Dr. Stephen H. Tsang
- Howard Hughes Medical Institute, Medical Research Fellow
- 06/2012 – 08/2012 **Laboratory of Pharmacology and Cardiology, Columbia University Medical Center**

Laboratory of Dr. Steven O. Marx

- NHLBI/NIH Research Trainee

09/2009 – 05/2011

Laboratory of Neurobiology, National Institute of Environmental Health Sciences

Laboratory of Dr. Serena Dudek

- Intramural Research Trainee (STEP Program) and Summers of Discovery Fellow

SERVICE

04/2018 – 06/2019

ReSpectacle

Cleveland Chapter, Site Co-Director

- Collect, process, and distribute used eyeglasses to low-income patients

12/2011 – 12/2015

Columbia Student Medical Outreach (CoSMO) Clinic

P&S Club, Columbia University College of Physicians & Surgeons, New York, NY

- Clinic Co-Chair (2014 – 15), Senior Clinician (2013 – 15), Fundraising Chair (2011 – 12)

01/2010 – 05/2011

Unite for Sight, Duke University Chapter

Unite for Sight, New Haven, CT (headquarters)

- Vice President of Vision Screenings (2010)