

MINWOO KWON
minwoo.kwon@icahn.mssm.edu | (949) 294-0368

EDUCATION:

Icahn School of Medicine at Mount Sinai **New York City, New York**
Doctor of Medicine July 2024 - Present

Washington University in St. Louis **St. Louis, Missouri**
B.S. Major in Biology, Minor in Anthropology August 2019 - December 2022

GPA: 4.0/4.0

Honors and Membership: *summa cum laude*, Phi Beta Kappa

WORK EXPERIENCE:

Total Access Urgent Care | St. Louis, MO December 2022 - May 2023
Certified Medical Technician

- Took initial assessment and vitals (blood pressure, heart rate, etc.) of around 20 patients per day
- Discussed with patients about chief complaints and gathered details about their symptoms for providers to analyze further
- Drew blood through fingerstick, IV, and butterfly needles
- Conducted EKGs and administered medications through IM shots and IVs

Washington University School of Medicine | St. Louis, MO September 2021 - December 2022
Research Assistant

- Conducted lab research on the factors involved in non-alcoholic fatty liver disease (NAFLD) progression, specifically focusing on how parental lifestyle and diet affect offspring liver health
- Became proficient in lab techniques, including RNA extraction, qPCR, and various bile acid assays
- Completed senior thesis on how parental diet and exercise affect the bile acid homeostasis of offspring

LEADERSHIP & SERVICE:

Vision Care USA | Palisades Park, NJ November 2025 - Present
Medical Volunteer

- Conducted vision screenings and obtained focused medical histories for Korean-speaking patients at annual community eye camps serving the New Jersey and New York City areas
- Delivered culturally and linguistically concordant care to improve access to ophthalmic services for underserved communities
- Coordinated local engagement and communication between Vision Care USA and the Korean American Medical Students Association of NY/NJ

Future Leaders in Sight | New York, NY October 2025 - Present
Icahn School of Medicine Liaison

- Served as institutional liaison for the national advocacy initiative Future Leaders in Sight, dedicated to developing the next generation of ophthalmology leaders
- Coordinated local engagement and communication between Icahn medical students and the national leadership team
- Promoted vision health advocacy by organizing events, discussions, and initiatives focused on ophthalmology education and policy awareness

EHHOP Ophthalmology Free Clinic | New York, NY February 2025 - Present
Referrals Manager

- Managed referrals for uninsured patients from the primary care free clinic to ophthalmology specialists across the New York Eye and Ear Infirmary (NYEE) locations
- Ensured timely scheduling of follow-up and specialty appointments, improving continuity of care for patients with urgent or chronic eye conditions
- Helped facilitate access to subspecialty ophthalmologic care for underserved populations through efficient navigation of health system logistics

Asian Pacific American Medical Student Association | New York, NY February 2025 - Present
Executive Member

- Led initiatives for Icahn's chapter of a national organization committed to addressing health disparities affecting Asian and Pacific Islander American (APIA) communities

- Organized health education events and cultural programming to promote awareness of APIA-specific healthcare challenges
- Built a supportive community for AAPI-identifying students by coordinating social events

Korean American Medical Students Association | New York, NY

January 2025 - Present

President

- Maintained organized records of meetings, events, and initiatives to ensure smooth internal communication and long-term continuity
- Helped promote awareness of healthcare disparities affecting Korean-speaking patients and the need for linguistically and culturally competent care
- Collaborated with the executive board to plan cultural, professional, and community service events that serve the Korean American community

ICNA Relief | Fullerton, CA

May 2023 - May 2024

Community Health Volunteer

- Assisted with patient intake and vitals at a free community clinic and supported refugee health fairs, providing screenings and essential resources.
- Shadowed physicians across specialties and observed diagnostic reasoning in diverse patient cases.

International Institute of St. Louis | St. Louis, MO

August 2022 - May 2023

Volunteer Tutor

- Tutored immigrant and refugee youth in math and science while fostering English proficiency and confidence.

Korean Student Association at WUSTL | St. Louis, MO

August 2019 - December 2022

President

- Led a campus organization promoting Korean culture and community engagement through cultural and educational events.

MANUSCRIPTS:

- **Kwon M**, Kasi A, Kim SY, Bairat A, Kumar A, Kumar V. Role of Activating Transcription Factor 4 in Metabolic, Neurologic, and Ocular Diseases. *Cells*. March 2026.
- **Kwon M**, Ahmad S. Management of Peripheral Corneal Melts: A Narrative Review. *Annals of Eye Science*. March 2026.
- Potash S, Harris A, Verticchio Vercellin A, Wood K, Cohen GY, Rosen A, **Kwon M**, Rothstein J, Lahoti Y, Tanga L, Carnevale C, Siesky BA. Peripapillary Vessel Density Mediates the Relationship Between Axial Length and Visual Field Damage in Glaucoma. *J Clin Med*. May 2026
- Kaganovski A, Kasi A, Grinberg A, Kozlov M, Patel R, **Kwon M**, Lai C, Dersu I. Evaluating patient-facing eye disease information: ChatGPT-5 vs. Pfizer Health Answers. *AJO International*. December 2025.
- Verticchio Vercellin A, Potash S, Manusis K, Sidoti PA, Rosen RB, Siesky BA, et al. The Effects of Intraocular Pressure-Lowering Drops on the Tear Film Assessed by a Novel High-Resolution Tear Film Imager. *Diagnostics*. May 2026. (**Kwon M**, 18th author)

ABSTRACTS & PRESENTATIONS:

- **Kwon M**, Kasi A, Steidl W, Jo JJ, Chadha N. Social Determinants of Glaucoma Surgical Intervention. ARVO Annual Meeting. May 2026; Denver, CO.
- **Kwon M**, Shah K, Ahmad S, Rhee M. Improving Ophthalmology Resident Knowledge of Contact Lens Use: A Pre- and Post-Course Analysis. Poster presented at: Association of University Professors of Ophthalmology (AUPO) Annual Meeting; February 2026; San Diego, CA.
- **Kwon M**, Jo JJ, Tan J, Ahmad S. Evaluating Readability and Accessibility of Patient-Facing Online Resources on Conjunctivitis. Poster presented at: ARVO Annual Meeting; May 2025; Salt Lake City, UT.
- **Kwon M**, Hinrichs H, Young M, Thompson M. Maternal Exercise and Its Effects on Offspring Bile Acid Homeostasis and Bile Acid Pool Size. Poster presented at: Diabetes Day Symposium; November 2022; Washington University School of Medicine in St. Louis, MO.
- Kasi A, **Kwon M**, Jain D, Ekanem A, Bairat A, Kim S, Kumar V. Metabolic Profiling of Eye Humor from Patients with Fuchs Endothelial Corneal Dystrophy. ARVO Annual Meeting. May 2026; Denver, CO.
- Kim S, Bairat A, **Kwon M**, Kumar V. Association of Sunlight Exposure and Risk of Various Ocular Diseases: A Meta-Analysis. ARVO Annual Meeting. May 2026; Denver, CO.

- Hwang J, Jo JJ, **Kwon M**, Klawe J, Ahmad S. Ocular Risk Factors for Developing Dementia and Depression Among Cataract Patients. Poster presented at: American Academy of Ophthalmology (AAO) Annual Meeting; October 2025; Orlando, FL.
- Kwon DY, Diamond-Pott H, **Kwon M**, Stark KG, Klem RA, Restrepo Mejia M, Taub P. Are We Measuring What Matters? Social Determinants of Health Across a Decade of Pediatric Craniofacial Surgery Trials. Poster presented at: Northeastern Society of Plastic Surgeons Annual Meeting; September 2025; Baltimore, MD.
- Lahoti Y, Guidoboni G, Greenfield J, Cohen G, Potash S, Siesky B, Verticchio A, Wood Shalem K, **Kwon M**, Harris A. Automated Capillary-Level Optical Coherence Tomography Angiography Phenotyping in Patients with Glaucoma and Diabetes. SAIVO Annual Meeting. May 2026; Denver, CO.
- Rothstein J, Siesky BA, Verticchio Vercellin A, **Kwon M**, Potash S, Schanzer N, Wood Shalem K, Cohen G, Riina N, Alabi D, Rosen A, Haq A, Harris A. Cardio-Metabolic and Renal Biomarkers are Associated with Retinal Structure, Function and Microvasculature in Patients with Primary Open Angle Glaucoma. ARVO Annual Meeting. May 2026; Denver, CO.
- Potash S, Harris A, Schanzer N, Verticchio Vercellin A, Siesky BA, Bertram M, **Kwon M**, Arciero J, Fry BC, Eckert GJ, Lloyd HO, Rothstein J, Alabi D, Wood Shalem K, Cohen G, Muncharaz Duran L, Rosen RB, Sidoti PA. Inverse Coupling of Mitochondrial Stress with Choriocapillaris Perfusion and Retinal Thickness in Primary Open Angle Glaucoma versus Control. ARVO Annual Meeting. May 2026; Denver, CO.
- Lahoti Y, Harris A, Pasquale LR, Sun M, Siesky BA, Cohen G, Wood Shalem K, **Kwon M**, Rosen A, Verticchio Vercellin A, Potash S, Wierzbowska J, Riina N, Sommi A, Belamkar AV, Guidoboni G. An Electronic Health Record-Based Predictive Model to Quantify Multifactorial Risk for Primary Open Angle Glaucoma. ARVO Annual Meeting. May 2026; Denver, CO.
- Kim SY, Lee S, Qureshi S, **Kwon M**, Huynh JQ, Kumar V. Effects of mitochondrial division inhibitor-1 on mitochondrial health in ultraviolet A-induced model of Fuchs endothelial corneal dystrophy. Poster presented at: ARVO Annual Meeting; May 2025; Salt Lake City, UT.

SKILLS:

Research & Lab Techniques: RNA extraction, qPCR, Western blotting, bile acid assays, cell culture, immunostaining, mitochondrial assays

Clinical Skills: Venipuncture (IV, butterfly), EKG administration, IM and IV medication administration, patient triaging, scribing, vital signs measurement

Software & Data Analysis: Statistical analysis and data visualization, RStudio (data cleaning, statistical analysis, ggplot2 visualization), GraphPad Prism, ImageJ, REDCap

Languages: Fluent in Korean (spoken and written)