

# JULIA JOO

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## EDUCATION

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June 2020-present Medical School  
(Anticipated 2025) Cleveland Clinic Lerner College of Medicine (CCLCM), Cleveland, Ohio  
- Doctor of Medicine (MD)  
- Step 1: Pass  
- Step 2: 262 (84<sup>th</sup> percentile)

June 2020-present Graduate  
(Anticipated 2024) Case Western Reserve University, Cleveland, Ohio  
- Master of Public Health (MPH)  
- Concentration in Population Health

September 2014- Undergraduate (September 2014-June 2018)  
June 2018 University of Washington (UW), Seattle, Washington  
- Majors (2): Biochemistry, BSc; Molecular, Cellular, and Developmental Biology, BSc  
- Honors: Interdisciplinary and Departmental Honors  
- GPA: 3.95

## HONORS & AWARDS

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Vit Buckle Society Academic Grant Awardee	January 2024
CCLCM June and John Chambers Scholarship	September 2023-June 2024
American Society of Hematology (ASH) Abstract Achievement Award	December 2022
ASH Abstract Achievement Award	December 2021
CCLCM full-tuition scholarship	2020-2025
American Society of Gene and Cell Therapy (ASGCT) Outstanding Poster Presentation Award	May 2020
ASGCT Conference Trainee Travel Award	March 2019
UW Undergraduate Research Conference Travel Award	February 2018
UW Phi Beta Kappa Scholar	December 2017
Washington Research Foundation Fellowship	October 2017-June 2018
Undergraduate 4-year Full Scholarship from UW Honors Program	2014-2018
UW Annual Dean's List High-Scholarship Award	2014-2018

## WORK EXPERIENCE

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July 2023- Clinical Research Coordinator  
June 2024 Cole Eye Institute, Cleveland Clinic, OH  
Supervisor: Ang Li, MD

- Enrolled and trained patients for a home tonometry study, provided patient education on home tonometry and glaucoma, and performed preliminary data analysis.
- Lead statistician for Research to Prevent Blindness and American Academy of Ophthalmology Award for IRIS® Registry Research awarded to Dr. Li

June 2018-  
June 2020

Research Scientist I

Department of Immunity and Immunology, Seattle Children's Research Institute, Seattle, WA

Supervisor: Carol Miao, PhD

- Investigated the safety and efficacy of platelet-targeting FVIII-lentiviral gene therapy for hemophilia A in humanized immunodeficient mice.

## PUBLICATIONS

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### *Peer-reviewed articles*

1. **Joo JH**, Sharma N, Shaia J, Singh RP, Rachitskaya AV. The Effect of GLP-1 Receptor Agonists on Diabetic Retinopathy, the Real-World Analysis. *Under review, Ophthalmology Science*.
2. Ganner A, Massimiliano F, Sekula P, Schiavi F, **Joo JH**, Neumann, H. Genotype-Specific Neoplastic Risk Profiles in Patients with von Hippel-Lindau (VHL) disease: A Multicenter Observational Study. *Under review, Lancet Oncology*.
3. Yehia L, Plitt G, Tushar AM, **Joo J**, et al. Longitudinal Analysis of Cancer Risk in Children and Adults With Germline PTEN Variants. *JAMA Netw Open*. 2023;6(4):e239705. doi:10.1001/jamanetworkopen.2023.9705
4. Rahman S, Russell MW, **Joo JH**, Valentim CCS, Singh RP. The Impact of Travel Distance on Rhegmatogenous Retinal Detachment Presentation and Outcomes. *Ophthalmic Surgery, Lasers and Imaging Retina* 2022;53(12):666–72.
5. **Joo JH**, Wang X, Singh S, Chen CY, Li C, Adair JE, Kiem HP, Rawlings DJ, Miao CH. Intraosseous delivery of platelet-targeted FVIII lentiviral vector in humanized NBSGW mice. *Blood Adv*. 2022 Jul 18: bloodadvances.2022008079. doi: 10.1182/bloodadvances.2022008079.
6. **Joo JH**, Hong S, Rybicki LA, Hamilton BK, Majhail NS. Community health status and long-term outcomes in 1-year survivors of autologous and allogeneic hematopoietic cell transplantation. *Bone Marrow Transplant*. 2022 Apr;57(4):671-673. doi: 10.1038/s41409-022-01602-z. 2022 Feb 5.
7. Markwei MT, Babatunde I, Rathi N, Fan C, Prah MA, **Joo J**, Hackett L, Soper DE, Goje O. Preincision adjunctive prophylaxis for cesarean deliveries a systematic review and meta-analysis. *Am J Obstet Gynecol*. 2021 Oct;225(4):382.e1-382.e13. doi: 10.1016/j.ajog.2021.04.259. Epub 2021 May 5.

### *Book Chapter*

1. **Joo JH**, Jidigam V, Rao S. Vasculature: Retinal Vessels. In *Handbook of Clinical Neurology*. Elsevier 2024. *In Press*.

### *Featured in Press*

1. The Effect of Glucagon-like peptide-1 receptor agonists on Diabetic Retinopathy Progression (with Dr. Aleksandra Rachitskaya, MD)
  - HCP Live: <https://www.hcplive.com/view/aleksandra-rachitskaya-md-effect-glp-1-agonists-diabetic-retinopathy>
  - Retina roundup: [www. https://retinaroundup.com/2023/11/07/aao-2023-effect-of-glp-1-receptor-agonists-on-diabetic-retinopathy/](https://retinaroundup.com/2023/11/07/aao-2023-effect-of-glp-1-receptor-agonists-on-diabetic-retinopathy/)

## POSTERS & ORAL PRESENTATIONS

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### *Posters*

1. **Association for Research in Vision and Ophthalmology**, Seattle, WA (Future) May 2024  
**Joo JH**, Shah A, Yu M, Rao S.  
*Circadian Rhythm Disruption in the Pathogenesis of Optic Neuritis Associated with Multiple Sclerosis*.
2. **Vit Buckle Society Meeting**, Miami, FL (Future) April 2024  
**Joo JH**, Sharma N, Shaia J, Wu AK, Skugor M, Singh RP, Rachitskaya A  
*Impact of GLP-1RA on Diabetic Retinopathy*
3. **American Society of Cataract and Refractive Surgery**, Boston, MA (Future) April 2024

- Joo JH**, Shaia J, Kaelber DC, Talcott KE, Singh RP, Li A  
*Comorbidities Associated with Normal Tension Glaucoma in a Large US Adult Cohort*
4. **EnVision Summit**, Fajardo, Puerto Rico (Future) February 2024  
**Joo JH**, Kaelber DC, Talcott KE, Singh RP, Li A  
*Comorbidities Associated with Primary Open Angle Glaucoma and Normal Tension Glaucoma in a Large US Adult Cohort*
5. **American Academy of Ophthalmology**, San Francisco, CA November 2023  
**Joo JH**, Sharma N, Shaia J, Wu AK, Skugor M, Singh RP, Rachitskaya A  
*GLP-1 Receptor Agonists and Progression of DR*
6. **Association for Research in Vision and Ophthalmology**, New Orleans, LA April 2023  
**Joo J**, Sharma N, Daugirdas S, Wu, AK, Russell MW, Skugor M, Singh R, Rachitskaya AV  
*Impact of GLP-1 receptor agonists versus SGLT-2 inhibitors on diabetic retinopathy*
7. **American Public Health Association**, Boston, MA November 2022  
Patterson W, Fan C, **Joo J**  
*Predictors of central line associated bloodstream infections in patients with diagnosed hematological malignancies in a national hospital sample*
8. **Association for Research in Vision and Ophthalmology**, Denver, CO May 2022  
Rahman S, Russell M, **Joo J**, Valentim CCS, Singh RP  
*The Impact of Travel Distance on Rhegmatogenous Retinal Detachment Presentation and Outcomes*
9. **Gordon Research Conference: Mutagenesis and Genome Alterations**, Newry, ME June 2018  
**Joo J**, Hearn B, Herr AJ  
*Assessing the role of Ctf18 in aiding and abetting mutator polymerases*
10. **American Pain Society Scientific Summit**, Anaheim, CA March 2018  
**Joo J**, Fisher E, Aaron R, Palermo T, Noel M, Rabbitts J  
*Evaluating post-surgical memories in parents and adolescents*
11. **American Academy of Neuroscience Annual Meeting**, Boston, MA April 2017  
Qian P, **Joo J**  
*The safety and efficacy of Dimethyl Fumarate: A 3 year follow-up in a single MS center*

### Oral presentations

1. **American Academy of Ophthalmology (AAO): Retina subspecialty day**, San Francisco, CA November 2023  
Rachitskaya A (presenter)  
*The Effect of Glucagon-like peptide-1 receptor agonists on Diabetic Retinopathy Progression*
2. **American Society of Hematology (ASH)**, New Orleans, LA December 2022  
**Joo JH**, Chen Y, Gerds AT, Advani AS, Balderman S, Carraway HE, Singh A, Mukherjee S  
*Risk of Therapy-Related Acute Myeloid Leukemia (tAML) in Cancer Patients Treated With Chemotherapy and Radiotherapy: A National Population-Based Cohort Study Using SEER Registry*
3. **American Society of Hematology**, Georgia, AL December 2021  
**Joo J**, Hong S, Rybicki LA, Hamilton BK, Majhail NS  
*Community health status and long-term outcomes in 1-year survivors of autologous and allogeneic hematopoietic cell transplantation*
4. **American Gene and Stem Cell Therapy Annual Meeting**, Washington, D.C. May 2019  
**Joo J**, Wang X, Singh S, Li C, Adair JE, Kiem H, Rawlings DJ, Miao CH  
*Evaluation of the efficacy and safety of intraosseous delivery of platelet-specific factor VIII-lentiviral vectors as an in vivo gene therapy for hemophilia in humanized NSG mice*
5. **NIH U54 FVIII Inhibitor Meeting**, Bethesda, MD March 2019  
**Joo J**, Kooi AK, Curtis B, Chen A, Miao CH  
*Immune regulation by cellular glycosylation for the inhibitory antibody development to Factor VIII in hemophilia*

## COMMITTEES

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### *National*

June 2021- June 2022	Coalition Building Lead Students for a National Health Program (SNaHP) <ul style="list-style-type: none"><li>- Selected to the National Student Leader board to strengthen relationships with organizations in advocating for a universal, comprehensive single-payer national health program in the United States.</li></ul>
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### *CCLCM*

September 2021- Present	Admissions Interviewer CCLCM Admissions <ul style="list-style-type: none"><li>- Served as a student assessor to review and interview student applicants for CCLCM. Presented the applicants to the admissions committee for evaluation.</li></ul>
October 2020- June 2022	Community Engagement & Student Activism Action Group Student Lead CCLCM Diversity & Inclusion <ul style="list-style-type: none"><li>- Founded a medical student-run health clinic for women experiencing homelessness at the Haven Home.</li><li>- Designed and led a comprehensive health curriculum for local Bolton Elementary school with fellow medical students.</li><li>- Created COVID-19 vaccine education sessions with medical students for residents in underserved Cleveland neighborhoods.</li></ul>

## SERVICE

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2020-Present	Student Clinician Volunteer Case Western School of Medicine Student Run-Clinic and Haven Home CCLCM Student-Run Clinic <ul style="list-style-type: none"><li>- Administered vaccines for COVID-19 during pandemic.</li><li>- Measured blood pressure, blood glucose, offered health wellness education, and referred patients lacking PCPs to local Cleveland Clinic primary care services.</li></ul>
April 2023- August 2023	Honorary Host for The Walk Home The Haven Home, Cleveland, OH <ul style="list-style-type: none"><li>- Helped organize, fundraise, and spread awareness for The Walk Home, the biggest annual fundraising event for the Haven Home.</li></ul>
January 2021- June 2021	Refugee Response Learning Lab Volunteer Refugee Response, Cleveland, OH <ul style="list-style-type: none"><li>- Served as a mentor by providing academic and social support for children recently immigrated to the US as refugees.</li></ul>
May 2019- April 2020	Co-Founder and co-President of RAISE Guild Seattle Children's Hospital, Seattle, WA <ul style="list-style-type: none"><li>-Founded RAISE, a non-profit organization that funds the Science Education Department (SED) at Seattle Children's Hospital. SED supports research accessibility to students typically underrepresented in STEM.</li></ul>

## ACTIVE MEMBERSHIP

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Vit Buckle Society  
Women in Ophthalmology  
American Academy of Ophthalmology

## ACTIVITIES

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<b>Cleveland Orchestra Chorus</b> , Soprano I	<i>September 2021-June 2022</i>
<b>Doc Opera Song Director</b> , CWRU School of Medicine	<i>Fall 2020, Fall 2021</i>
<b>Seattle Symphony Chorale</b> , Soprano I	<i>September 2018-June 2020</i>