

Ira Schachar, M.D., M.Sc.

Curriculum Vitae

Contact Information

Phone: (919) 824-8677

Email: ira.schachar@gmail.com

CURRENT PRACTICE

North Bay Vitreoretinal Consultants
3536 Mendocino Avenue, Suite 380
Santa Rosa, CA 95403
(707) 575-5353

July 12, 2021 - present

ACADEMIC APPOINTMENTS

Byers Eye Institute, Stanford University, Palo Alto, CA

- **Assistant Professor**, Ophthalmology
- **Clinical Instructor**, Ophthalmology

Mar 2017 - present

July 2016 - Feb 2017

Santa Clara Valley Medical Center, San Jose, CA

- **Attending**, Ophthalmology

Aug 2015 – July 2021

BOARD CERTIFICATION - Ophthalmology

Dec 2015 - present

STATE LICENSURE

California - CA#A131109

July 2014 - present

Nevada - NV#17110

Apr 2017 - present

MEDICAL TRAINING

Byers Eye Institute, Stanford University, Palo Alto, CA

- **Fellowship**, Vitreoretinal Surgery

July 2014 - June 2016

Kellogg Eye Center, University of Michigan, Ann Arbor, MI

- **Residency**, Ophthalmology

July 2011 - June 2014

Brigham and Women's Hospital, Boston, MA

- **Internship**, Internal Medicine

July 2010 - June 2011

EDUCATION

Washington University School of Medicine, Saint Louis, MO

- **Doctor of Medicine**
- **Honors**: Alpha Omega Alpha

Aug 2006 - May 2010

University of Oxford, Oxford, UK

- **Masters of Science (M.Sc.) in Biology** through research

Oct 2004 - Sept 2005

Duke University, Durham, NC

Aug 2000 - May 2004

- **Bachelor of Science in Mathematics**
- **GPA:** 3.88/4.00
- **Honors:** Summa Cum Laude, Phi Beta Kappa

RESIDENCY AWARDS/HONORS

Michigan I-Corps - Statewide 7-week program designed to foster innovation through partnerships with the National Science Foundation and entrepreneurial communities

Kellogg Eye Center Paul R Lichter Resident Mentor Award - Second-year resident who best demonstrates the qualities of collegiality, leadership, and dedication to education as selected by fellow residents

Kellogg Eye Center George Slocum 1st Place Resident Research Award - “*Advances in Vitreoretinal Surgery with Robotically Controlled Instruments*” - First place among all resident research projects/presentations as selected by the faculty

Michigan Ophthalmology Career Developmental Award (MOTCDA) - “*Novel treatment for Ocular Hypertension using the YAG-laser*” - Five thousand dollar peer-reviewed development grant

Kellogg Eye Center LeBerge Award for Best First-Year Resident Research Paper - “*Quantification of Fundus Autofluorescence to Detect Disease Severity in Nonexudative Age-Related Macular Degeneration*” - Best first-year peer-reviewed published paper

Michigan Society of Eye Physicians and Surgeons Resident Research Award - “*Quantification of Fundus Autofluorescence to Detect Disease Severity in Nonexudative Age-Related Macular Degeneration*” - Best regional resident research project/presentation among residency programs in Michigan

Kellogg Eye Center George Slucum 1st Place Resident Award - “*Quantification of Fundus Autofluorescence to Detect Disease Severity in Nonexudative Age-Related Macular Degeneration*” - First place among all resident research project/presentations as selected by the faculty

Education Committee Member - Nominated to represent second-year and third-year residents on faculty education committee

PEER REVIEWED PUBLICATIONS

1. Toy BC, **Schachar IH**, Tan GS, Moshfeghi DM. Chronic Vascular Arrest as a Predictor of Bevacizumab Treatment Failure in Retinopathy of Prematurity. *Ophthalmology*, [Epub ahead of print], 2016
2. Wood EH, Leng T, **Schachar IH**, Karth PA. Multi-Modal Longitudinal Evaluation of Subthreshold Laser Lesions in Human Retina, Including Scanning Laser Ophthalmoscope-Adaptive Optics Imaging. *Ophthalmic Surgery, Laser and Imaging Retina*, 47(3): 268-275, 2016
3. **Schachar IH**, Leng T. Manual removal of dystrophic calcifications from silicone intraocular lenses using a 27-gauge nitinol loop with concave tines. *Retina*. 35(12): 2650-2651m 2015
4. Cao K, Pinon R, **Schachar I**, Jayasundera T, Awtar S. Automatic Tracking Endo-Illuminator for Intra-Ocular Surgeries. *Journal of Medical Devices*. 8(3): 030932, 2014
5. **Schachar IH**, Ober MD, Rezende F, Cao K, Pinon R, Awtar S, Jayasundera T. An Automatically Tracking Robotic Endo-Illuminator for Vitreoretinal Surgery. ARVO Abstract. *Investigative Ophthalmology and Visual Sciences*. 55: 2329, 2014
6. Fahim AT, Khan NW, Zahid S, **Schachar IH**, Branham KE, Kohl S, Wissinger B, Elner VM, Heckenlively JR, Jayasundra KT. Diagnostic autofluorescence patterns in Achromatopsia. *JAMA Ophthalmology*. 156(6): 1211, 2013

7. **Schachar IH**, Zahid S, Comer G, Stem M, Schachar AG, Saxe SJ, Gardner T, Elnor VM, Jayasundera KT. Quantification of fundus autofluorescence to detect disease progression in non-exudative age-related macular degeneration. *JAMA Ophthalmology*. 131(8): 1009, 2013
8. Albertus DL, **Schachar IH**, Zahid S, Elnor VM, Demirci H, Jayasundera KT. Autofluorescence quantification of benign and malignant choroidal nevi/melanocytic tumors. *JAMA Ophthalmology*. 131(8): 1004, 2013
9. **Schachar IH**, Demirci H. Macular choroidal thickness in uveal melanoma patients treated with plaque radiotherapy. ARVO Abstract. *Investigative Ophthalmology and Visual Science*. 54: 4233, 2013
10. Fahim AT, Khan NW, Zahid S, **Schachar IH**, Branham K, Kohl S, Wissinger B, Elnor VM, Heckenlively JR. *Investigative Ophthalmology and Visual Science*. 54: 1324, 2013
11. **Schachar IH**, Zahid S, Cote M, Leithauser A, Jayasundera KT, Elnor VM. Quantification of autofluorescence using a pixel mapping technique in different states of dry age-related macular degeneration. ARVO Abstract. *Investigative Ophthalmology and Visual Science*. 53: 3110, 2012
12. Pal C, Macia MD, Oliver A, **Schachar I**, Buckling A. Coevolution with viruses drives the evolution of bacterial mutation rates. *Nature*. 450: 1079-81, 2007
13. Nijhout HF, Smith WA, **Schachar I**, Subramanaian S, Tobler A, Grunert LW. The control of growth and differentiation of the wing imaginal disks of *Manduca sexta*. *Developmental Biology*. 302: 569-576, 2007
14. Levy NS, **Schachar IH**. Accuracy of GDx variable corneal compensation polarization measurements in normal human eyes: effect of accommodation, cycloplegia, focus, pupil size, and eye selection on reproducibility. *Eye*. 21: 33-40, 2007

PATENTS

ISSUED

Schachar, Ira H. “Device and method for ciliary muscle compression for increasing the amplitude of accommodation.” U.S. Patent 9,259, 310, issued February 16, 2016.

Schachar, IH. “Apparatus and method for preventing glaucomatous optic neuropathy.” U.S. Patent 8,771,349, issued July 8, 2014.

PENDING

Schachar, IH. “Systems and Methods for Diagnosing Inherited Retinal Diseases.” U.S. Patent Application 14/493, 7122, filed September 23, 2014.

Schachar, IH. “Device and method for treatment of retinal detachment and other maladies of the eye.” U.S. Patent Application 13/772,762, filed February 21, 2013.

REVIEWER

2013 - Current Eye Research

2014 - Retina

2014 - Ophthalmic Surgery, Laser and Imaging Retina (OSLI)

PROFESSIONAL MEMBERSHIPS

2012 - Member, Michigan Society of Eye Physicians and Surgeons

2012 - Member, Association for Research in Vision and Ophthalmology (ARVO)

2011 - Member, American Academy of Ophthalmology

2010 - Member, American Medical Association

OUTSIDE INTERESTS / HOBBIES

Amateur card magic

Juggling / yo-yoing

Chess

Insect collecting/observing

Swing dancing