CURRICULUM VITAE - SURESH VISWANATHAN (Last update June 6, 2023)

PERSONAL

Place of birth: Madras (now Chennai), India

Citizenship: USA Marital status: Married

Children: 2

CURRENT POSITION

Professor and Chair

Department of Biological and Vision Science

State University of New York

College of Optometry 33 West 42nd Street

New York, NY 10036

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EDUCATION

<u>Doctoral degree:</u> University of Houston College of Optometry, Houston, Texas, Doctor of Philosophy Physiological Optics/Vision Science, May 2000 (Laura J. Frishman, Ph.D., Dissertation Advisor).

<u>Masters degrees:</u> Pacific University College of Optometry, Forest Grove, Oregon, Master of Science in Clinical Optometry, August 1992 (Robert L. Yolton, Ph.D., O.D., Thesis Advisor).

<u>Undergraduate/Professional degree:</u> Elite School of Optometry, Madras, India, Baccalaureate in Optometry, September 1990 (Chandran Abraham, MBBS, MS., Thesis Advisor)

PROFESSIONAL EXPERIENCE

Professor	SUNY College of Optometry, NY (Tenured)	2021-present
Chair	Dept of Biological and Vision Science	2013-present
	SUNY College of Optometry	
Director	Institutional Research and Planning	2019-present
	SUNY College of Optometry	
Associate Professor	SUNY College of Optometry, NY (Tenured)	2013-2021
Associate Professor	Indiana University School of Optometry, IN (Tenured)	2006-2012
Assistant Professor	Indiana University School of Optometry, IN (Tenure-track)	2000-2006
Research Assistant	University of Houston College of Optometry, TX	1992-2000
Teaching Assistant	University of Houston College of Optometry, TX	1992-2000
Research Assistant	Pacific University College of Optometry, OR	1991-1992
Staff Optometrist	Sankara Nethralaya Eye Hospital, Madras, India	1990-1991

TEACHING

Doctor of Optomety program at SUNY College of Optometry, New York

- Neuroanatomy – Cellular neurophysiology 2013-2021

- Human Bioscience I Cell, tissue organ histology and physiology 2013-2021
- Human Bioscience II Systems physiology and pathology 2013-2016
- Human Bioscience III Systems physiology and pathology 2013- present
- Visual Function (Sensory) Gross electrical potentials, lectures and lab 2013 present
- 1st year Integrative Seminar Neuroprotection for glaucoma 2013-2019
- Elective on Visual field techniques and glaucoma 2014- present

Vision science graduate program at SUNY College of Optometry, New York

- Proseminar I (PhD students) Retinal anatomy and physiology, 2013-present
- Ocular Pathology: Emerging trends in the pathophysiology of glaucoma and its clinical Implications (PhD and MS students), 2014-present
- Oculomotor systems (MS students) Pupil, 2014-present
- Advance Topics in Ocular Bioscience (PhD and MS students) 2015-present
- Survival skills for graduate students (PhD and MS students) 2014-present
- Non-invasive electrophysiology of the visual system (PhD and MS students) 2019
- Traumatic Brain Injury (PhD and MS students) 2019
- Diabetes and visual function (PhD and MS students) 2019

C-Step summer program for under-represented minority undergraduate students

- Lecture on new technologies in eye care

National and international teaching program

- ISCEV international course on visual electrodiagnosis, Kyoto, Japan, 2023
- ISCEV international course on visual electrodiagnosis, Liverpool, UK, 2022
- Sankara Nethralaya Eye Hospital, India. Visual Electrodiagnostics Virtual Master Class (virtual meeting) 2021
- Second biennial Think Tank on Vision and Traumatic Brain Injury, organizing Committee chair, 2021
- ISCEV international course on visual electrodiagnosis, Moorfields Hospital, University College London, ISCEV (virtual meeting), 2021
- LV Prasad Eye Institute, India. Visual Electrodiagnostics Virtual Master Class (virtual meeting) 2021
- First AAO/ASCO joint workshop on Optometric Education Research, AAO annual meeting 2020 (Virtual).
- Moorfields/Universty College London/ISCEV virtual course on visual electrodiagnosis, 2020
- ISCEV international course on visual electrodiagnosis, Seoul, South Korea, 2019
- ISCEV international course on visual electrodiagnosis, Reims, France 2018
- ISCEV international course on visual electrodiagnosis, Miami, FL. 2017
- ISCEV international course on visual electrodiagnosis, Singapore, 2016
- ISCEV international course on visual electrodiagnosis, Ljubljana, Slovenia, 2015
- ISCEV international course on visual electrodiagnosis, Boston, Massachusetts, 2014
- Visual neurophysiology, from neuron to perception (16 hour online course), 3rd year BOptom and M.Phil students at the Elite School of Optometry, Chennai India. Fall 2014.
- ISCEV international course on visual electrodiagnosis, Chongqing, China, 2013

- Chinese Visual Electrophysiology Society course on visual electrodiaghnosis, Chongqing, China, 2012
- Nineteenth Annual Teaching Research Ethics Workshop, Poynter Center, Indiana University, Bloomington, IN, 2012.
- Animal electrophysiology training course/workshop, ARVO course, Ft. Lauderdale, FL, 2012
- Training course of ERG in clinical service and in research, Chongqing, China, 2011.
- ISCEV international course on visual electrodiagnosis, Quebec City, Canada, 2011
- ISCEV international course on visual electrodiagnosis, Fremantle, Western Australia, 2010
- ISCEV international course on visual electrodiagnosis, Padua, Italy, 2009
- Neurophysiology of the visual system lectures (approximately 22 hours), Optometry department, Ramkhamhaeng University, Bangkok, Thailand. November 2005, 2007.

Recent invited talks

University of Melbourne College of Optometry (Virtual), 2023

Association for Research in Vision and Ophthalmology, 2023

American Academy of Optometry Annual Meeting, San Diego 2022

University of Houston College of Optometry (virtual) 2022

American Academy of Optometry Annual Meeting, (Virtual) 2020

University of California, Berkeley, 2018

Association for Research in Vision and Ophthalmology, 2018

University of Houston College of Optometry, 2017

Association for Research in Vision and Ophthalmology, 2016

Elite School of Optometry, Chennai, India 2015

Elite School of Optometry, Chennai, India 2014

International Perimetric Society 2014

International Society of Eye Research 2014

Optometric Glaucoma society 2013

State University of New York College of Optometry SIVR 2013

State University of New York College of Optometry 2012

Emory University, Atlanta 2011

Michigan state University, East Lansing, 2008

Indiana University Department of Psychology, 2002

Indiana University School of Optometry, 2000

Doctor of Optometry program at Indiana University, Bloomington

- Systems Approach to Biomedical Sciences I (V542), Fall (30 hrs of lecture)
- Systems Approach to Biomedical Sciences II (V543), Spring (38 hrs of lectures, course coordinator)
- Vision Science I (V560), Spring (17 hrs of lectures)
- Integrative Optometry I (V501), Fall (15 hrs Problem Based Learning discussion facilitator)
- Integrative Optometry II (V502), Spring (15 hrs Problem Based Learning discussion facilitator)

Graduate program in Vision Science at Indiana University, Bloomington

- Visual Neurophysiology (V712), Fall (15 hrs lecture, course coordinator)
- Vision Science graduate seminars (V765), Fall (15 hrs seminar coordinator)

- Ethical Issues in Scientific Research (V792), Summer (15 hrs lecture, course coordinator)
- Critical Analysis of Peer reviewed Papers in Vision Research (V793), Summer (15 hrs discussion coordinator)

Other Graduate Courses taught in Vision Science program at Indiana University, Bloomington

- Advanced course on Vision and Aging (V768)
- Advanced topics on Visual Psychophysics (absolute threshold, intensity discrimination, dark and light adaptation, spatial and temporal vision)
- Classics in Physiological Optics (V773)
- Graduate student special problem topics (V768 variable credits)
- Graduate student research (variable credits)

Graduate program in neural Science at Indiana University, Bloomington

- Retinal anatomy and physiology lectures in Introduction to Neural Science (N500),

Continuing education lectures to practicing optometrists

- Assorted lectures 2001-present

Previous teaching as student

- General Pathology and Medicine (OPTO 5331) for I year Optometry students (GI physiology and metabolism). Teaching fellow, University of Houston College of Optometry. Spring 2000.
- Optometric procedures laboratory (Optometry lab I, OPTO 5171) for I year Optometry students (history, preliminary tests, ophthalmoscopy, slit-lamp biomicroscopy). Teaching fellow, University of Houston College of Optometry. Fall 1998.
- Optometric procedures laboratory (Optometry lab II, OPTO 4127) for I year Optometry students (clinical refraction). Teaching fellow, University of Houston College of Optometry. Spring 1993, 1994, 1995, 1996, 1997, 1998.
- Neuroanatomy laboratory (OPTO 4131) for I year Optometry students. Teaching fellow, University of Houston College of Optometry. Fall 1993, 1994, 1995, 1996, 1997.
- Basic Visual Physiology and Neurophysiology (PHOP 6353, PHOP 6354) for I year graduate students in the Physiological Optics/Vision Science program. Tutor, University of Houston College of Optometry. Spring 1996.
- Photometry and radiometry laboratory (PHOP 6273, PHOP 6274) for I year graduate students in the Physiological Optics/Vision Science program. Teaching fellow, University of Houston College of Optometry. Summer 1994, 1995.
- Binocular Vision and eye movements laboratory (Primary Optometry, OPTO 5191) for II year Optometry students. Teaching fellow, University of Houston College of Optometry. Fall 1992, 1994.
- Clinical refraction laboratory for Ophthalmology residents. Teaching fellow, Sankara Nethralaya Eye Hospital, Madras, India. 1990-91.

CLINICAL DUTY

- Perform Visual Electrodiagnostic testing of patients at the Atwater Eye Care Center of the Indiana University Optometry Clinic system. 2000-2012.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- American Optometric Association

2019-present

- International Society for Eye Research	2014-present
- Optometric Glaucoma society (elected member2007)	2007-present
- Association for Research in Vision and Ophthalmology (Fellow 2016)	1992-present
- American Academy of Optometry (Fellow 2000)	1996-present
- International Society for the Clinical Electrophysiology of Vision	2000-present
- Society for Neuroscience	2000-2018
- Volunteer Optometric Services to Humanities, Indiana Chapter	2002-2012

RESEARCH GRANTS (funded/applied)

- American Federation for Aging Research (AFAR), Identifying the retinal loci of agerelated changes in rod-mediated visual function, Status- PI. 2001-2003.
- American Academy of Optometry (Indiana Chapter), Normative data for visual electrodiagnostic testing, Status- PI. 2003-2004.
- Equipment grant, Research and University Graduate School, Indiana University 2003.
- Indiana University Faculty Research support Program, Fluorescence Based Imaging of Retinal Ganglion Cell Function, Status- co-investigator (PI Joe Bonanno). 2005-2006.
- Indiana University Faculty Research Program, Neural basis of age-related changes in visual function, Status- PI (co-investigators Steve Burns and Ann Elsner). 2006-2007.
- Indiana University Faculty Research Program, Assessing neural structure and function in a non-human primate model of experimental glaucoma, status- co-investigator (PI Bill Swanson and co-investigator Nick Port). 2007-2008.
- Indiana University Faculty Research Program, Neural damage in rodent model of experimental glaucoma. 2009-2010 (PI)
- Lilly Foundation, Fluorescence Based Imaging of Retinal Ganglion Cell Function. 2008 (Co-PI with Joseph Bonanno)
- NEI T35EY013937 Short-term Research Training for IU Optometry Students. 2006- 2012 (PI).
- NEI R01EY014743 Ophthalmic Imaging Using Adaptive Optics and OCT, Status collaborator years 4 and 5 at the Indiana site where Dr. Donald Miller is PI, John Werner, UC Davis Center PI. 2003-2008
- NEI R01EY011159 Structure-Function of the Retina With Neuroprotection, Status collaborator, Arthur Weber, Michigan State University, East Lansing PI. 2004-2010.
- NEI R21EY021831 GPR119: A novel means to lower intraocular pressure? Collaborator, Alex Straiker, Indiana University PI. 2011-2013
- DOD VRP 2019 Effects of Mild Traumatic Brain Injury on Retinal Ganglion Cell Light Adaptation. Co-PI with Andrew Hartwick, Ohio state University. 2020-2023
- NEI R34 planning grant— Vision disorders in adolescents following concussion PI SUNY College of Optometry site. Center PI: Lisa Jordan, Ohio state University. 2020-2023

HONOURS/AWARDS

- AAO Inaugural Hall of Fame Inductee, 2022
- International Society for Clinical Electrophysiology of Vision (ISCEV) Junior Investigator Travel Award, 2001.
- Fellow of the American Academy of Optometry, 2000-present.
- Indiana University nominee for the Pew Scholars Program in Biomedical Research for 2001.

- Indiana University nominee for the Ellison Medical Foundation's New Scholars Program in Aging for 2003.
- Indiana University Trustee's Teaching Excellence Award 2002-2003.
- Completed a 3 day workshop on Teaching Research Ethics, organized by the Poynter Center at Indiana University, Bloomington, Summer 2003.
- Travel grant from Office of International programs, Indiana University to attend optometry and vision science conference in Chennai, India, summer 2005
- Participant in the first annual Association of Schools and Colleges of Optometry (ASCO) faculty development summer program, St. Louis, MO, 2006
- Member, Collaborative Ocular Biomechanics of Glaucoma Study (COBIGS) group
- Elected member, Optometric glaucoma society, 2007.
- Commendation the American Academy of Optometry for outstanding service to the Vision Science section, 2010.
- Chief guest and commencement speaker at the 26th Graduation ceremony of the Elite School of Optometry, Chennai, India, 2014.
- Participant in the AOA/AAO joint summer research camp, Columbus, OH, 2006, 2016, 2018.
- Inducted fellow of Association for Research in Vision and Ophthalmology, 2016.
- Member TBEye study group 2016.

Honors and awards as a student

- Member of Ezell Club, American Optometric Foundation, 2000-present.
- William C. Ezell fellowship from the American Optometric Foundation, 1996-97, 1997-98, 1998-99.
- University of Houston College of Optometry outstanding graduate student fellowship 1998-199.
- University of Houston College of Optometry outstanding graduate teaching fellow award 1996-1997, 1997-98.
- University of Houston Teaching Excellence award for teaching fellows 1996-97.
- Graduate student travel award from Basic Research and Academic Initiatives in Neuroscience, University of Houston to attend the Association for Research in Vision and Ophthalmology annual meeting, Ft Lauderdale, FL, 1998.
- Sigma Xi poster award (University of Houston chapter), 1996.
- Beta Sigma Kappa (Optometry Honour Society) research grant, 1996.
- Travel grant from the Federation of American Societies for Experimental Biology (FASEB) to attend the FASEB Summer Research Conference on Retinal Neurobiology and Visual Processing, Saxtons River, VT, 1996.
- Vistakon student travel fellowship from the American Academy of Optometry to attend the Association for Research in Vision and Ophthalmology annual meeting, Ft. Lauderdale, FL, 1996.
- Graduate student travel award from Basic Research and Academic Initiatives in Neuroscience, University of Houston to attend the Society for Neuroscience annual meeting, Washington, D.C, 1996.
- Student Vision Research Support Grant, University of Houston, College of Optometry, 1995, 1996.

- Grant-In-Aid of research from the National Academy of Sciences, through Sigma Xi, The Scientific Society, 1994, 1995.
- Best outgoing student award, Elite School of Optometry, Madras, India, 1990.

SERVICE

SUNY College of Optometry

- Chair, Department of Biological and Vision Science 2013-present
- Director, Institutional Research and Planning 2019-present
- Member, Dean's council 2013-present
- Member, College Round Table 2013-present
- Member (Ex-Officio), Clinical Education Council 2013-present
- Member, Graduate committee on policy, curriculum, admission and standing 2013-present
- Member, Graduate faculty qualification committee 2013-present
- Chair, Graduate faculty qualification committee 2018-present
- Chair, Clinical faculty search committee 2013-present
- Member, Tenure-track faculty search committee 2015-present
- Member (ad-hoc) OD/MS curriculum revision committee 2013-2014
- Member Statistics faculty search committee 2013-2014
- Member Honorary Degree selection committee 2013-present
- Member Annual Retreat planning committee 2013-2017
- Member College Research Council 2013-present
- Member, committee to develop OD program at Arab American University of Palestine
- Thesis/dissertation committees
 - Nabin Joshi (PhD primary advisor, SUNY college of optometry)
 - Toan Trinh (PhD primary advisor, SUNY college of optometry)
 - Ashwin Badrinath (PhD primary advisor, SUNY college of optometry)
 - Emily Freeman (MS primary advisor, SUNY college of optometry)
 - Jennifer Nguyen (MS primary advisor, SUNY college of optometry)
 - Roa Al-Abdalla (MS primary advisor, SUNY college of optometry)
 - Max Zimbel (MS primary advisor, SUNY college of optometry)
 - Abdulla Alamri (MS primary advisor, SUNY college of optometry)
 - Ridwan Carim-Sanni (MS primary advisor, SUNY college of optometry)
 - Behrad Garmsiri (MS primary advisor, SUNY college of optometry)
 - Sakshi Vasiu (MS primary advisor, SUNY college of optometry)
 - Jesse Wang (MS primary advisor, SUNY college of optometry)
 - Rita Nieu (MS committee member, SUNY college of optometry)
 - Mathew Siu (MS committee member, SUNY college of optometry)
 - Muen Yang (MS committee member, SUNY college of optometry)
 - Derek Ng (MS committee member, SUNY college of optometry)
 - Cristi Lerena-Law (PhD committee member, SUNY college of optometry)
 - Lakshmi Rajagopalan (PhD external committee member, University of Houston)
 - Richa Verma (PhD external committee member, University of Melbourne)
 - Jermiah Lim (PhD external committee member, University of Melbourne)
 - Jessica Tang MD (PhD external committee member, University of Melbourne)
 - Mark Sarossy MD (PhD external committee member, University of Melbourne)

- Samir Uprety (PhD external committee member, Queensland Institute of Technology)

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- T35 summer fellowship mentoring
 - Emma Ly (2014)
 - Emily Freeman (2015)
 - Jennifer Nguyen (2015)
 - Monica Thi (2016)
 - Abdulla Alamri (2017)
 - SiYin Lin (2017)
 - Raymond Farmer (2018)
 - Kent Uehara (2018)
 - Ridwan Carim-Sanni (2019)
 - Behrad Garmsiri (2020)
 - Jesse Wang (2021)
 - Sakshi Vasiu (2021)
- -Undergraduate student research supervision
 - Gabriella Baruch (2017)
 - Michael Gerber (2019)
- -High school student research supervision
 - Sophie Jelinek (2018)

National

- AAO Research Academy, faculty (2022)
- OVS Journal task force committee, member (2021)
- AAO Strategic Planning Implementation Committee (SPLIC) 2020-present
- AAO Strategic planning sub-committee on research, 2019
- AAO Scientific approval sub-committee of Admittance 2015-present
- AAO Chair, Vision Science section Diplomate program of the, 2012-2014
- AAO Vice-Chair, Vision Science section Diplomate program of the, 2010-2012
- AAO Chair, Vision Science section, 2008-2010
- AAO Vice-Chair, Vision Science section, 2006-208
- AAO, Member, admittance committee (section 7 research category), 2005-2011
- AAO Chair, Scientific Program Committee, 2016-2020.
- AAO Vice-Chair, Scientific Program Committee, 2014-2016.
- AAO, Member, Scientific Program Committee, 2010-2020.
- AAO, Member, Awards Committee, 2016-2020
- AAO representative to NAEVR/AEVR, 2020-present
- AAOF Member, Board of Directors 2020-present
- AAOF Allergan Foundation Grant review panel 2015-16, 2016-17
- ASCO International Education Committee 2016-2019
- ASCO Biomedical educators SIG, member 2013-present
- ASCO Academic Research Committee 2019-
- ASCO, Faculty in the Future Faculty Program, 2011, 2013, 2015
- AOA Council on Research 2019-
- AOA clinical research grant reviewer 2019

- ARVO Animals in Research Committee 2019-2022
- ARVO Diversity Initiatives Committee 2015-18
- Optometric Glaucoma Society (OGS), Chair annual meeting program committee, 2016-2022
- International Society of Clinical Electrophysiology of Vision (ISCEV) board member, 2015-present
- International Society of Clinical Electrophysiology of Vision (ISCEV) Director of Education, 2022-present
- Member, Committee for Developing Pattern Electroretinogram Standards, ISCEV, 2012, 2023
- Editorial Board Member, Documenta Ophthalmologica 2008-present
- Associate Editor, Documenta Ophthalmologica 2015-present.
- Editorial Board Member, Journal of Optometric Education 2010-2012
- Editor, special issue of Journal of Ophthalmology on recent developments in visual electrophysiology, 2011-2012.
- Editor, special issue of Vision Research on Visual Impact of Traumatic Brain Injury 2020
- Journal reviewer

Optometry and Vision Science

Investigative Ophthalmology and Visual Science

Medical and Biological Engineering and Computing

Vision Research

Documenta Ophthalmologica

IEEE Transactions on Neural Networks

Visual Neuroscience

Experimental Eye Research

Current Eye Research

Journal of Optical Society of America

Journal of Glaucoma

Graefes Archives of Opthalmology

Translational Vision Science and Technology

Journal of Vision

PLoS ONE

Nature

- Member, National Board of Examiners in Optometry (NBEO) Part 1 exam development committee, 2007-2009.
- Continuing education lectures for optometrists 2000-present.
- Grant reviewer

National Science Foundation

U.S. State Department

Australian Research Council

American Federation of Aging Research

Medical Research Council of the United Kingdom

Moorsfield Hospital Foundation, UK

American Academy of Optometry

American Optometric foundation

- Moderator scientific paper sessions
- Volunteered with the Association for Research in Vision and Ophthalmology (ARVO) K-12 plus College Education Committee as a tour guide for elementary and high school

students and educated them about eye care professions and vision research. ARVO annual meeting 2001.

IU School of Optometry

- Chair Ocular Biology Faculty Search Committee 2012
- Member Peer Evaluation Committee 2002-2003, 2008-2011
- Member International OD program Committee 2010-present.
- Chair, Non-thesis MS program in Vision Science planning committee 2011.
- Member 3 year OD program exploration committee 2011-present.
- Member Continuing Education Committee 2008-present.
- Member Curriculum Committee 2008-2010.
- Chair Curriculum Committee 2010-2012.
- Coordinator, Dean's scholars program 2008-present.
- Member Peer Teaching Evaluation Committee 2007-2009.
- Member Research Space Committee, School of Optometry 2003-2007.
- Member Search and Screen Committee, School of Optometry, 2002-2008.
- Member administrative Committee of Borish Center for Ophthalmic Research, Indiana University School of Optometry 2001-2006.
- Member Space Committee of Borish Center for Ophthalmic Research, Indiana University School of Optometry 2006-present.
- Member Technology committee, School of Optometry, 2000 2003.
- Member Optometry students admission committee, 2001-2002.
- Member Dean's scholar selection committee, School of Optometry, 2001-present.
- Member graduate student admission committee, School of Optometry, 2000-present.
- Ad-hoc interviewer of prospective Optometry students, 2000-present.
- Examiner for second year diagnostics competency examination, 2000-present.
- Thesis/dissertation committees
 - Mike P. Venable, M.S. IU School of Optometry, Summer 2002 Co-chair Current position – Exercise physiologist, U.S. Navy.
 - Wendy Harrison, M.S. IU School of Optometry, Summer 2005 Chair Current position – Faculty, University of Houston college of Optometry, Midwestern University.
 - Samuel Nava PhD. Indiana University Biology Department Summer 2009 Member Current position – Assistant professor, Massachusetts College of Art and Design.
 - Anthony Van Alstine, M.S. IU School of Optometry, Fall 2012
 – Chair Current position Optometrist, VA medical Center, Columbia, SC.
 - Michael Klein, M.S. IU School of Optometry, Summer 2014
 — Chair Current position Private practice, Kansas City, MO.
 - Verleen McSween, PhD. IU School of Optometry, summer 2015 (Primary advisor, was the committee chair when faculty at IU)
 Current position Assistant professor, University of Virgin Islands
 - Laura Pardon, M.S. IU School of Optometry, (ongoing) Chair
 Current position PhD student, University of Houston College of Optometry
- Research advisor, IUSO Deans's scholars program (funded by NIH summer research fellowship)
 - o Tiffany Owens Summer 2001
 - o Wendy Watkins Summer 2002

- o Brian VanDerPloeg Summer 2003
- o Aaron Case Summer 2003 (co-advisor with Dr. Hafner)
- o Mathew Simpson Summer 2004
- o Jeremy Fowler Summer 2005, 2006
- o Jonathan Bradley Summer 2005
- o Christina Gant Summer 2006, 2007
- Andrea Eyler Summer 2007
- o Anthony Van Alstine 2008, 2009
- o Michael Klein 2010
- Laura Pardon 2011
- o Jack Derby 2012

Indiana University

- Member, Review committee Indiana University Faculty Research Support Program 2011, 2012.
- Participant in the FASE (Faculty And Staff for Student Excellence) Mentor program 2001 present.

Faculty mentor to Esther M. Tristani (Freshman 2001-2002)

Ashley Rheinheimer (Freshman 2002-2003)

Zeneida Olivero (Freshman 2003-2004)

Marina del Corso Delazari (Freshman 2004-2005)

- Faculty mentor to high school students in the Upward Bound Program, 2010-present.
- Member Bloomington Institutional Animal Care and Use Committee (BIACUC), 2002-2012. Vice chair 2005-2007, Co-Chair 2008-2009, Chair 2009-2012.
- Member Bloomington Faculty Council Budgetary Affairs Committee, 2007-2012.
- Member Bloomington Faculty Council Faculty Grievance Committee, 2011-2012.
- Member Laboratory Animal Resources Steering Committee, 2008-2012.
- Member New Vivarium Steering Committee, Indiana University, 2004.
- Member 5 yr review committee for Indiana University Lab Animal Resources, 2002-2003.
- Member Bloomington Faculty Council Student Affairs Committee, 2002-2003.
- Member Bloomington Faculty Council Diversity and Affirmative Action Committee, 2003-2004
- Student hearing commission, Indiana University 2003-2012.
- Attendance at University graduation ceremony, 2001-2012.

Bloomington, IN Community

- Mentor to senior students in the Bloomington High School internship program
- Mentor to high school students in the Upward Bound program for minority students.

Service as a student

- Student member of the University of Houston Physiological Optics graduate program student admissions committee, 1998-2000.
- Student member of the University of Houston Physiological Optics graduate program curriculum committee, 1998-99.
- Student member of the University of Houston graduate student grievances committee, 1998-99.
- Student member, University of Houston College of Optometry Student Vision Research Support Grant Selection Committee, 1998-99.

- Represented the Physiological Optics graduate program at the student recruitment fair during the 23rd Annual Conference of the National Association of Medical Minority Educators, Oak Brook, Illinois, 1998.
- President of the University of Houston Physiological Optics graduate student association, University of Houston College of Optometry, 1997-98.
- Member of the University of Houston, College of Optometry Physiological Optics graduate student association fund raising committee 1996-98.
- Member of the University of Houston, College of Optometry Physiological Optics graduate student association socials committee 1994-98.

PUBLICATIONS

Published in refereed journals

- Joshi NR, Carim-Sanni R, Ashwin B, Laul A, Dul MW, Viswanathan S. Intensity response function of the Photopic Negative Response (PhNR) in open angle glaucoma. *Documenta Ophthalmologica* (submitted).
- Gibertoni G, Pothiadia Irungovel AB, Viswanathan S, Rovati L.Silent stimulation of cones: a comparison between the ERG and PLR responses. 2023: Proc. SPIE 12360, Ophthalmic Technologies XXXIII, 123600T (14 March 2023); doi: 10.1117/12.2647380
- Yan B, Viswanathan S, Brodie SE, Deng WT, Coleman KE, Hauswirth WW, Nirenberg S. A clinically viable approach to restoring visual function using optogenetic gene therapy. *Mol Ther Methods Clin Dev.* 2023;29:406-417. doi:10.1016/j.omtm.2023.05.005. PMID: 37251979; PMCID: PMC10213293.
- Kumar S, Benavente-Perez A, Ablordeppy R, Lin C, <u>Viswanathan S</u>, Akopian A, Bloomfield S. (2022) A Robust Microbead Occlusion Model of Glaucoma for the Common Marmoset. *Transl Vis Sci Technol* 2022:11;14 doi: 10.1167/tvst.11.1.14.
- Stewart Bloomfield S, Kumar S, Ramakrishnan H, Viswanathan S, Akopian A. Neuroprotection of the Inner Retina Also Prevents Secondary Outer Retinal Pathology in a Mouse Model of Glaucoma. <u>Investigative Ophthalmology and Vision Science</u>. 2021:62 doi: 10.1167/iovs.62.9.35.
- Mormoy OR, Viswanathan S. Clinical electrophysiology of the optic nerve and retinal ganglion cells. Eye (Lond). 2021 Jun 11. doi: 10.1038/s41433-021-01614-x. Online ahead of print.
- Hoffmann MB, Bach M, Kondo M, Li S, Walker S, Holopigian K, Viswanathan S, Robson AG. ISCEV standard for clinical multifocal electroretinography (mfERG) -2021 update. Doc Ophthalmol 2021:142;5-16.
- Topalov K, Schimmelmann A, Polly DE, Sauer PE, Viswanathan. Stable hydrogen isotopes in mice bone collagen as a reflection of food and water intake. <u>Isotopes Environ Health Stud.</u> 2019:55;129-149.
- Frishman L, Sustar M, Kremers J, McAnany JJ, Sarossy M, Tzekov R, Viswanathan S. ISCEV extended protocol for the photopic negative response (PhNR) of the full-field electroretinogram. Doc Ophthalmol. 2018:136;207-211.
- Slavi N, Toychiev A, Kosmidis S, Ackert J, Bloomfield S, Wulff H, Viswanathan S, Srinivas M. Suppression of Cx43 phosphorylation in Astrocytes Promotes Vascular Regeneration in Ischemic Retinopathy. <u>Proc Natl Acad Sci U S A</u>. 2018;115: E5934-E5943.

- Joshi NR, Ly E, Viswanathan S. Intensity response function of the Photopic Negative Response (PhNR): Effect of age and test-retest reliability. <u>Doc</u> <u>Ophthalmol</u>. 2017:135, 1-16.
- Akopian A, Kumar S, Ramakrishnan H, Roy K, Viswanathan S, Bloomfield. Targeting neuronal gap junctions in the retina offer significant neuroprotection of visual pathways in a mouse model of glaucoma. <u>Journal of Clinical Investigation</u>. 2017:127:2647-2661.
- Van Alstine AW, Viswanathan S. Test-retest reliability of the multifocal photopic negative response. <u>Doc Ophthalmol</u>. 2017:134, 25-36.
- Akopian A, Kumar S, Ramakrishnan H, Viswanathan S, Bloomfield SA. Amacrine cells coupled to ganglion cells via gap junctions are highly vulnerable in glaucomatous mouse retinas. <u>Journal of Comparative Neurology</u> 2016 doi: 10.1002/cne.24074. [Epub ahead of print]
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