

# NICOLE CHRISTIE ROSS, OD, MSc, FAAO

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New England College of Optometry  
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## **EDUCATION:**

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### **Wilmer Eye Institute, Johns Hopkins School of Medicine: Baltimore, MD – Oct 2012 – Jun 2014**

*Clinical Fellow in Low Vision Rehabilitation*

Advisors: Dr. Judith Goldstein and Dr. Robert Massof

### **The Ohio State University, College of Optometry: Columbus, OH – Aug 2011 – Jul 2012**

*Optometric Resident in Vision Rehabilitation*

Advisor: Dr. Roanne Flom

### **New England College of Optometry: Boston, MA –Jan 2008 – Sep 2013**

*Research conducted at Schepens Eye Research Institute, Affiliate of Harvard Medical School, degree awarded by New England College of Optometry as part of the dual degree OD/MSc Program*

*Master of Science in Vision Science, BSK Honors List*

Thesis Project: Optical and Perceptual Considerations When Prescribing Prisms for Hemianopia

Advisors: Dr. Eli Peli and Dr. Alex Bowers

### **New England College of Optometry: Boston, MA – Sep 2007 – May 2011**

*Doctorate of Optometry, BSK Honors List*

### **Queen's University: Kingston, ON – Sep 2003 – May 2007**

*Bachelor of Science in Life Sciences, Honors Program, Dean's Honor List*

## **CERTIFICATIONS:**

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Clinical Diplomate in Low Vision Rehabilitation, American Academy of Optometry, 2021

Massachusetts Society of Optometrists Glaucoma and Orals Certification Course, December 2021

Women's Leadership Program, Greater Boston Chamber of Commerce, June 2020

Maryland Board of Optometry, Glaucoma & Advanced Scope Certification, 2020

CPR BLS for Healthcare Providers Renewal, CPR Boston, 2020 (expires 2022)

CITI & NIH Research Ethics and Human Subjects Training, 2021 (expires 4/2023)

American Academy of Optometry's Research Academy, The Ohio State University, 2018

Perkins School for the Blind, Level One American Sign Language, 2018

Northeastern State University Glaucoma and Advanced Scope Certification Course, 2017

Alberta College of Optometrists, Advanced Scope Certification, 2017

Massachusetts State Certification for Therapeutic Agents in the Practice of Optometry, MA 5047

Massachusetts Controlled Substance Certification, MR0970461M

Maryland State Certification for Therapeutic Pharmaceutical Agents, TA 2297

Fellow, American Academy of Optometry, 2012

Ohio State Certification for Therapeutic Pharmaceutical Agents, 6067/ T2982

Alberta Provincial Certification for Therapeutic Pharmaceutical Agents, Permit 872

National Board of Examiners in Optometry (NBE): Part I: Aug 2010, Part II: Dec 2010, Part III: Apr 2011

**CLINICAL EXPERIENCE:****Tenure-Track Faculty, New England College of Optometry, Boston, MA, Jul 2014 – Present:**

*Tenured Associate Professor of Optometry, Department of Specialty & Advanced Care (July 2021 - Present)*

- Instructor in several didactic courses (see teaching experience)
- Clinical research projects – low vision and ocular disease emphasis

*Associate Professor of Optometry, Department of Specialty & Advanced Care (July 2018 - 2021)*

*Assistant Professor of Optometry, Department of Specialty & Advanced Care (July 2014 – 2018)*

*Attending Optometrist in Primary & Low Vision Care*

- Provide comprehensive care and advanced low vision care at the Perkins School for the Blind, Carroll Center for the Blind and at the Commonwealth Avenue Clinical Campus

**Low Vision Rehabilitation Clinical Fellowship, Johns Hopkins Hospital, Baltimore, MD, Oct 2012 – Jun 2014:**

- 80% clinical time with 20% research time (see research experience below)
- Advanced low vision care with both inpatient and outpatient referral
- Outreach activities - lectures to Lions clubs, nursing home facilities, and to faculty in grand rounds

**Primary Care Optometrist, Dr. S. Crawford & Associates, Athens, OH, Feb – Jun 2012:**

- Provided comprehensive optometric care with special interest in multi-focal contact lens fitting

**Vision Rehabilitation Residency, The Ohio State University, Columbus, OH, Aug 2011 – Jul 2012:**

Gained experience and provided care through the following services and activities:

- Vision Rehabilitation Service: Gained experience with advanced multi-disciplinary cases, and participated in clinical teaching of student interns
- Clinical Preceptor: Supervised and participated in clinical teaching of student interns in primary care and low vision services
- Faith Mission Eye Clinic: Provided primary care and ocular disease management in a free clinic setting
- On-Call Service: provided on call emergency eye care services
- South High Community Health Center: Provided primary care, pediatric and ocular disease management
- Dodd Hall Inpatient Rehabilitation Center: Provided primary eye care, sensory-motor/ binocular vision and low vision services in a rehabilitation hospital for those recovering from traumatic brain injury
- Participated in the OSU Medical Center/ Havener Eye Institute ophthalmology grand rounds
- Teaching assistant for several optometry courses (see teaching experience below)

**TEACHING EXPERIENCE:****The New England College of Optometry: Boston, MA – 2014 – Present**

- *Instructor of Record, Lecturer and Laboratory Instructor:* Classroom and laboratory sessions for Low Vision Rehabilitation Throughout the Life Span (SAC33203), Instructor from Fall 2014 to Present, Instructor of Record as of Fall 2018 - Present
- *Instructor of Record:* Advanced Topics in Low Vision Rehabilitation (ELC63006-01), Spring 2016 to Present
- *Instructor of Record, Lecturer:* Advanced Ocular Disease I (BSD30701) Fall 2020 – Present
- *Instructor of Record, Lecturer:* Advanced Ocular Disease II (BSD30702) Spring 2021 – Present
- *Advisor and Instructor in Graduate Student Research:* Instructor for the following courses as part of the graduate studies program - Laboratory Research I, II, III, IV (GRS97040-97043), Thesis Preparation I & II (GRS97050-97051), Thesis Proposal Development (GRS97030-97031), Fall 2014 to Present
- *Lecturer:* Optics II (VS11002), Spring 2015 to Present
- *Co-Instructor, Lecturer:* Optics I (VS11001), Fall 2020
- *Lecturer:* Ocular Disease Principles I (BSD10721), Fall 2017 to 2020
- *Lecturer:* Guest Lecturer for Principles and Practice of Optometry II & III (PC12020, PC12022, PC22023), Spring/Summer 2015 to 2019
- *Laboratory Instructor:* Tutorial and laboratory sessions for Principles and Practice of Optometry I (PC12005, PC12006), Fall 2014 and Spring 2015

- *Laboratory Instructor*: Tutorial and laboratory sessions for Principles and Practice of Optometry II (PC22007, PC22008), Fall 2014 and Spring 2015

**University of Massachusetts, College of Education - Vision Studies Program: Boston, MA – 2020 – Present**

- *Adjunct Instructor*: Cortical Vision Impairment Certification Series (VISN 652), Spring 2020 - Present

**The Ohio State University, College of Optometry: Columbus, OH – 2011-2012**

- *Teaching Assistant for Dr. Roanne Flom*: Tutorial/laboratory sessions for Low Vision & Geriatrics (Opt 656), Winter 2014
- *Teaching Assistant for Dr. Nicholas Fogt*: Tutorial/laboratory sessions for Ocular Motility (VSci 512), Fall 2014

**RESEARCH EXPERIENCE:**

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**New England College of Optometry: Boston, MA – 2014 – Present**

*Principal and/or Co-Investigator*

- Use of smartphone applications and telehealth services in low vision rehabilitation
- Image-processing algorithms and the use of head-mounted displays for low vision
- Retrospective review of ocular findings associated with CHARGE Syndrome
- Outcomes and impact of low vision clinic service models
- Oculomotor behavior and training for people with low vision
- Properties of the preferred retinal locus in central vision loss
- Relationship between self reported functional ability, low vision rehabilitation outcomes and visual function measures
- Sensitivity to blur in low vision
- Survey of practice patterns and educational experiences in low vision rehabilitation

**Wilmer Eye Institute, Johns Hopkins School of Medicine: Baltimore, MD – 2012 -2014**

*Lions Low Vision Rehabilitation Fellow*: Worked under the advisement of Dr. Robert W. Massof, Dr. Judith Goldstein

Involved in the following research projects investigating:

- Impact of central scotomas on functional ability
- Changes in PRL properties with eccentric viewing training
- Image-processing algorithms and the use of head-mounted displays for low vision
- Methods to increase referrals and availability of low vision services

**Schepens Eye Research Institute, Harvard Medical School: Boston, MA – 2008-2013**

*Research Assistant and MSc. Candidate*: Studied methods of fitting prism for visual field loss and patient's detection performance with prism spectacles under simple and complex viewing conditions. Involved in additional research projects concerning:

- Prismatic adaptation
- Ocular dominance and rivalry
- Hemianopia and spatial neglect

**University of Calgary, Department of Physical Chemistry: Calgary, AB – Summer 2006**

*Undergraduate Research Assistant*: Worked under supervision of Dr. Cramb on the following projects:

- Two-photon excitation photo-dynamic therapy for wet macular degeneration
- Examining the bio-toxicity of quantum dots, application of this nano-technology for in-vivo biological vascular imaging

**HONORS AND AWARDS:**

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Dupuis-Pellerin Award for Faculty Excellence, New England College of Optometry 2020

ASCO Rising Star Award 2016

Atwell Award, best presentation by junior scientist, accepted by graduate student Micaela Gobeille, May 2016

Preceptor of the Year for OD1, New England College of Optometry 2015  
Preceptor of the Year for OD2, New England College of Optometry 2015  
Fellow of the American Academy of Optometry 2012  
William Feinbloom Student Award for contributions to the field of low vision 2011  
NECO Alumni Award Scholarship for outstanding contributions to the optometric profession 2011  
Minnie Flaura Turner Memorial Award for Impaired Vision Research 2010  
American Academy of Optometry travel grant recipient 2010  
NECO private practice business plan competition 2010 – First Place  
Beta Sigma Kappa membership, honors with distinction in optometry (2008, 2009, 2010, 2011)  
Atwell Award, best presentation by junior scientist at ARVO in low vision, May 2009  
Queen's University Entrance Honors with Merit. Queen's University, 2003  
PENGROWTH Academic Scholarship, 2003 – 2007

### **PEER-REVIEWED PUBLICATIONS:**

- T Arango, K Osypuik, N Skrocki, A Malkin, NC **Ross**. Predictors of legal blindness in Massachusetts. *in preparation*.
- Ross, NC**, K Osypuik, N Skrocki, A Malkin, T Arango. Predictors of vocational rehabilitation success in Massachusetts. *in preparation*.
- Bittner, AK, **NC Ross**. MNread with magnifiers during telerehabilitation, *in preparation*.
- Bittner, AK, **NC Ross**. Activity Inventory (AI) outcomes, in Telerehabilitation vs. Usual care. *in preparation*.
- Bittner, AK, **NC Ross**. Sustained Silent Reading Test with New Optical Magnifiers, *in preparation*.
- Ross, NC**. Management of Hemianopia – A Case Series Report. *in preparation*.
- Ross, NC**, JE Goldstein, FH Baker, RW Massof. Binocular Central Scotomas: Does the better eye explain it all?, *in preparation*.
- Adam, N, C Bradley, **NC Ross**. Use of QUEST and PIADS survey tools in predicting low vision device abandonment, *in preparation*.
- Arango, T, **NC Ross**, P Bex. Contrast sensitivity in bilateral central vision loss. *in preparation*.
- Ross, NC**, T Bossie, G Srinivasan. Survey of barriers to telehealth care in optometry practices: what we learned in the COVID-19 pandemic, *submitted*.
- Aigbe, S, AK Bittner, **NC Ross**. Changes in presenting complaints in low vision patients in 2020, *submitted*.
- Bittner, AK, JE Kaminski, **NC Ross**, JD Shepherd, SJ Thoene, SZ Bui, PD Yoshinaga and the BeST-AID Study Team. Telerehabilitation training to facilitate improved reading ability with new magnification devices for low vision, *submitted*.
- Donahue, A, R Deffler, B Kran, **NC Ross**. CHARGE: Insights regarding optometric findings of CHARGE syndrome in a pediatric low vision clinic, *submitted*.
- Bittner, AK, PD Yoshinaga, JD Shepherd, JE Kaminski, AG Malkin, MW Chun, TL Chan, AD Deemer, **NC Ross** and the BeST-AID Study Team. Acceptability of telerehabilitation for low vision aids using various approaches to facilitate accessibility, *in revision*.

- Lyons S, D Russo, A Gulmiri, H Edmonds, J. Waller, M Bijlefeld, C Bradley, **NC Ross**. Mind the Gap: Exploration of gender and other predictors of income in optometry, *in revision*.
- Arango, T, B Bowman, **NC Ross**, J Martire, J Skerswetat,, PJ Bex. Optic nerve head localization: Identification of the binocular PRL. *in revision*.
- Deffler, R, J Xu, AK Bittner, AR Bowers, S Hassan, **NC Ross**, SSL Cooley, A Doubt, FH Davidorf, BE Dougherty, for the RADARS Study Group. Use and perceptions of advanced driver assistive systems by older drivers with and without age-related macular degeneration, *in press*.
- Malkin, AG, **NC Ross**, MW Chun, AK Bittner, for the CARE Study team. Why are visual assistive mobile apps underutilized by low vision patients? *Optometry and Vision Science, in press*.
- Bowman, B, **NC Ross**, PJ Bex, T Arango. Exploration of dynamic text presentations in bilateral central vision loss, *Ophthalmic and Physiological Optics*, 2021. 41(6); 1183 -1197.
- Malkin, A, **NC Ross**, T. Chan, K. Protosow, A.K. Bittner. U.S. Optometrists' reported practices and perceived barriers for low vision care for mild visual loss, *Optometry and Vision Science*, 2020. 97(1):45-51.
- Deemer, A, B Swenor, K Fujiwara, J Deremeik, **NC Ross**, D Natale, C Bradley, F Werlin, RW Massof. Preliminary evaluation of two digital image processing strategies for head-mounted magnification for low vision patients, *Translational vision science & technology*, 2019, 8(1):23 doi:10.1167/tvst.8.1.23
- Hassan, S, **NC Ross**, RW Massof, J Stelmack. Do the properties of the preferred retinal locus change with eccentric viewing training? *Optometry and Vision Science*, 2019. 96(2):79-86. *Feature article*
- Deemer, A, **NC Ross**, F Werblin, RW Massof. Low vision enhancement with head-mounted video display systems: Are we there yet? *Optometry and Vision Science*, 2018, 95(9):692-693. *Feature article*
- Bittner, AK, **NC Ross**, P Yoshinaga, A Bowers, JD Shepherd, T. Succar. Feasibility of telerehabilitation for low vision: Satisfaction ratings by providers and patients, *Optometry and Vision Science*, 2018, 95(9):865-872.
- Gobielle, M, AG Malkin, R Jamara, **NC Ross**. Utilization and abandonment of low vision devices prescribed on a mobile clinic, *Optometry and Vision Science*, 2018, 95(9):859-864.
- Gobeille, M, AG Malkin, R Jamara, **NC Ross**. Clinical outcomes of low vision rehabilitation delivered by a mobile clinic. *Ophthalmic and Physiological Optics*, 2018, 38(2),193-202.
- Apfelbaum, HL, **NC Ross** , AR Bowers, E Peli. Considering optical scotomas when prescribing prisms for homonymous hemianopia. *Translational vision science & technology*, 2013;4,1-22. *Feature article*
- Ross, NC**, AR Bowers, E Peli. Peripheral prism glasses: effects of dominance, suppression, and background. *Optometry and Vision Science*, 2012;89,1343-1352.

### **TEXT BOOK CHAPTERS:**

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- Kran, BS, **Ross, NC**, Wright, DW. Low vision habilitation in pediatric care. In Taub MB, Bartuccio M, Maino DM. Eds. Vision and the Special Needs Patient: Diagnosis and Management. 2<sup>nd</sup> ed. Wolters Kluwer / Lippincott Williams & Wilkins, Philadelphia, 2019.
- Chu, M, **Ross, NC**, Chun, R.. Visual Field and Contrast Sensitivity Testing. In: ASCO Low Vision Special Interest Group, eds. Low Vision Rehabilitation IBook. Denver: Ridgevue Publishing LLC; 2019
- Goldstein, JE, **Ross, NC**, Kheradmand, A, Gold, DR. Visual, Oculomotor and Vestibular Deficits. In: Stein J., Harvey RL., Macko RF., Winstein CJ., RD. Z, eds. Stroke Recovery and Rehabilitation. 2nd ed. New York: Demos Medical Publishing LLC; 2014.

**INVITED PAPER PUBLICATIONS:**

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**Ross, NC, AG Malkin.** Approach patients with low vision on an individual basis. *Optometry Times Journal*, 2021; 13(10), 1-4.

**Ross, NC.** Low vision via telemedicine offers observation advantages. *Women in Optometry*, June 2020.

**Ross, NC, S Williams, A Gulmiri.** Testing the capabilities of telemedicine while providing patients access to providers. *Women in Optometry*, June 2020.

**PEER-REVIEWED ABSTRACTS:**

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**Vision 2020+2, 13<sup>th</sup> International Conference by the International Society for Low Vision Research and Rehabilitation: Dublin, IE –accepted for presentation in July 2022**

- Donahue, A, **NC Ross.** Paper Presentation. “Contrasting Charts: Variability in actual versus reported contrast in electronic contrast sensitivity charts”
- Adam, N, **NC Ross.** Paper Presentation. “Feasibility of telerehabilitation in addressing low vision device abandonment”
- **Ross, NC, A Malkin, J Ho.** Poster Presentation. “Exploration of active learning methods on clinical readiness in low vision rehabilitation optometric education”
- Malkin, A, **NC Ross.** Case Report Presentation. “A case of siblings with CDH3 related retinal dystrophy”
- Malkin, A, **NC Ross.** Workshop Presentation. “Technology in Low Vision Rehabilitation Care”

**Association for Research in Vision and Ophthalmology: Denver, CO – May 2022**

- **Ross, NC, JK Ho, C Bradley, AG Malkin, M Estabrook, MW Chun, M Knizak, B Peterson, C Idman-Rait, MW Chun, AK Bittner.** Poster Presentation. “Exploring smartphone visual assistive applications in seniors with low vision”
- Donahue, A, AG Malkin, M Estabrook, M Knizak, B Peterson, JK Ho, C Idman-Rait, MW Chun, AK Bittner, **NC Ross.** Poster Presentation. “Level of agreement of Pelli-Robson and SpotChecks contrast sensitivity tests in visually impaired subjects”
- Malkin, AG, AK Bittner, JK Ho, M Estabrook, M Knizak, B Peterson, C Idman-Rait, **NC Ross.** Poster Presentation. “Factors related to proficiency following training to use new visual-assistive smartphone apps in seniors with low vision”
- Bowman, B, J Skerswetat, **NC Ross, P Bex.** Paper Presentation. “Remote and in-lab eccentric viewing training in patients with central vision loss”
- Knizak, M, **NC Ross, P Bex, J Skerswetat.** Poster Presentation. “Effect of tactile meta-guidance on visual perception in people with and without central vision loss”
- Martin, J, C Bradley, **NC Ross.** Paper Presentation. “Application of Rasch analysis to the TeachCVI survey tool in a spectrum of CVI patients”
- Bittner, AK, MW Chun, P Yoshinaga, J Shepherd, T Chan, A Donahue, J Kaminski, S Alibhai, K Protosow, **NC Ross.** Paper Presentation. “An evolution of telerehabilitation for low vision follow-ups”

**Vision Science Society Meeting: St.Pete Beach, FL – May 2022**

- He, J, J. Skerswetat, **NC Ross, PJ Bex.** Poster Presentation. “Effect of EnChroma glasses on HRR and FlNd color discrimination task in anomalous trichromats”

**American Academy of Optometry: Boston, MA – November 2021**

- **Ross, NC, AK Bittner and the Best-Aid Study Team.** Paper presentation. “Preliminary self-reported reading outcomes following near visual aid dispense and training in low vision patients”
- Donahue, A, **NC Ross.** Poster presentation. “Agreement and accuracy of electronic contrast sensitivity tests in normally-sighted observers”
- Bowman, B, **NC Ross, K Rose, IL Bailey.** Paper presentation. “Dioptric blur discrimination in low vision patients”

- Riaz, M, **NC Ross**, D.L. Mayer. Poster presentation. “What is the diagnostic accuracy of visual field tests for children?”
- Bossie, T, G. Srinivasan, **NC Ross**. Poster presentation. “Scope and challenges of optometric telehealth during the COVID-19 pandemic and beyond”
- Doubt, A, R. Deffler, A.R. Bowers, J. Xu, S. Hassan, A.K. Bittner, **NC Ross**, B Dougherty. Paper presentation. “Driving behavior and use of advanced driver assistance systems by people with and without age-related macular degeneration”
- Estabrook, M, N. Dennis, **NC Ross**, A.K. Bittner and the Best-AID study team. Poster presentation. “Blue tooth low energy beacon sensors to document hand-held magnifier use at home by low vision patients”
- A.K. Bittner, **N.C. Ross**, and the Best-AID study team. Poster presentation. “Home-based assessments of sustained silent reading improvements with new illuminated optical magnifiers used by visually impaired patients”

**Vision Science Society Meeting: Online – May 2021**

- Costa, K, J. Skerswetat, **NC Ross**, PJ Bex. Poster Presentation. “The effect of auditory feedback on perceptual and oculomotor performance in a gaze-contingent simulated scotoma program”

**Association for Research in Vision and Ophthalmology: Online – May 2021**

- **Ross, NC**, J.K Ho, M. Chun, C. Idman-Rait, A. Malkin, A.K. Bittner. Poster Presentation. “ Input following first time use of visual assistance mobile apps by seniors with low vision”
- Osypiuk, K, T. Arango, A. Malkin, C. Idman-Rait, N. Skrocki, **NC Ross**. Poster Presentation. “Predictors of vocational rehabilitation success among legally blind individuals in Massachusetts”
- Deffler, R, AR Bowers, J Xu, S Hassan, **NC Ross**, AK Bittner, B Dougherty. Paper Presentation. “Perceptions of advanced driver assistance systems by people with and without age-related macular degeneration”
- Aigbe, S, **NC Ross**. Poster Presentation. “Differences in presenting chief complaints of patients presenting to a low vision rehabilitation, impact of the COVID-19 pandemic”
- Skerswetat, J, A Sharma, H Jefferis, K Costa, T Arango, **NC Ross**, PJ Bex. Poster Presentation. “The effect of visual feedback on perceptual and oculomotor performance in a gaze-contingent simulated scotoma program”

**American Academy of Optometry: Online – October 2020**

- Bowman, B, T Arango, **NC Ross**, PJ Bex. Paper Presentation. “Exploration of preferred retinal locus orientation and the effect on reading in bilateral central vision loss”

**Vision Science Society Meeting: Online – May 2020**

- Arango, T., **NC Ross**, PJ Bex. Poster Presentation. “Fixation characteristics with central vision loss at different gaze postures in a CSF task”

**Association for Research in Vision and Ophthalmology: Online – May 2020**

- Bowman, B, T Arango, **NC Ross**, PJ Bex. Paper Presentation. “Exploration of text presentation on reading rate in bilateral central vision loss”

**American Academy of Optometry: Orlando, FL – October 2019**

- Adam, N., O Stelmach, **NC Ross**. Poster Presentation. “Pilot study exploring patient and prescriber predictors of low vision device abandonment”

**Association for Research in Vision and Ophthalmology: Vancouver, BC – May 2019**

- Bittner, AK., K Green, R Khan, A Mistry, MJ Barnes, **NC Ross**. Poster Presentation. “Changes in reported difficulty with near reading following telerehabilitation for low vision”

- Arango, T, J Martire, **NC Ross**, P Bex. Poster Presentation. “Comparison of monocular microperimeter and binocular eye-tracking methods for assessment in low vision”

**American Academy of Optometry: San Antonio, TX – November 2018**

- Chan, T, AG Malkin, **NC Ross**, K Protosow, AK Bittner. Poster Presentation. “Study of Optical Aids for Reading (SOAR): A survey of perceived barriers among optometrists in referral and provision of low vision care for mild visual impairment”

**Association for Research in Vision and Ophthalmology: Honolulu, HI – May 2018**

- **Ross, NC**, T Chan, AG Malkin, K Protosow, AK Bittner. Paper Presentation. “Reported functional difficulty with near tasks in those with mild and moderate visual impairment.”
- Martire, J, T Arango, PJ Bex, **NC Ross**. Paper Presentation. “ Visual performance at the PRL in monocular versus binocular viewing using simulated gaze-contingent scotomas.”
- Arango, T, J Martire, **NC Ross**, PJ Bex. Poster Presentation. “ Oculomotor behavior in monocular versus binocular viewing conditions using gaze-contingent scotomas.”

**Virtual Reality in Health Care Symposium 2018, Harvard Medical School: Boston, MA – February 2018**

- **Ross, NC** and FS Werblin. Paper Presentation. “Iris Vision Brings Sight Back to the Visually Impaired Using Virtual Reality Hardware.”

**American Academy of Optometry: Chicago, IL – October 2017**

- Andrade, K, **NC Ross**, I Bailey. Paper Presentation. “Blur Discrimination in Low Vision Patients.”
- Chan, T, AK Bittner, **NC Ross**, K Protosow, AG Malkin. Poster Presentation. “Study of Optical Aids in Reading (SOAR): A survey of optometric management of mild vision loss.”
- Jamara, R, AG Malkin, **NC Ross**. Poster Presentation. “Low vision clinical education experience expanded due to aging population.”
- Gobeille, M, R Jamara, G Chu, AG Malkin, **NC Ross**. Poster Presentation. “Visual assistive equipment utilization and abandonment in a mobile low vision rehabilitation clinic.”

**Vision 2017 – 12<sup>th</sup> International Conference on Low Vision Research & Rehabilitation: The Hague, Netherlands – June 2017**

- Gobeille, M, R Jamara, G Chu, AG Malkin, **NC Ross**. Paper Presentation. “Outcomes of low vision rehabilitation delivered by a mobile clinic.”
- **Ross, NC**, M Gobeille. Symposium Paper Presentation. “The NECO Mobile Eye Clinic: A novel solution to address state-wide access to care for the low vision patient population”.
- Malkin, AG, M Gobeille, R Jamara, G Chu, **NC Ross**. Paper Presentation. “Cost-versus benefit analysis of a mobile low vision rehabilitation clinic.”
- **Ross, NC**, T Succar, P Yoshiaga, A Bowers, JD Shepherd, AK Bittner. Symposium Paper Presentation. “Low vision patients’ and provider’s satisfaction with telerehabilitation.”
- Bittner, AK, T Succar, P Yoshiaga, JD Shepherd, A Bowers, **NC Ross**. Symposium Paper Presentation. “Development and implementation of a model for delivering remote telerehabilitation services to low vision patients.”

**Association for Research in Vision and Ophthalmology: Baltimore, MD – May 2017**

- **Ross, NC**, P Yoshiaga, A Bowers, T Succar, JD Shepherd, AK Bittner. Poster Presentation. “Providers’ ratings of their experiences with delivering remote telerehabilitation services to low vision patients.”
- Bittner, AK; P Yoshiaga, A Bowers, T Succar, JD Shepherd, **NC Ross**. Poster Presentation. “Low vision patients’ satisfaction with remotely delivered telerehabilitation encounters.”

**American Academy of Optometry: Anaheim, CA – November 2016**



- Hanley, A, D Wright, **NC Ross**. Poster Presentation. "Ocular manifestations and functional vision in a case of infantile malignant autosomal recessive osteopetrosis."
- Deffler, R, A Hanley, B Kran, D Wright, **NC Ross**. Poster Presentation. "Taking CHARGE: A clinical chart review of ocular findings in CHARGE syndrome."
- **Ross, NC**, K Goetz, G Aguirre, A Cideciyan, H Ying. Low Vision Section Symposium. "Treating Retinal Degenerations Today and Tomorrow: How close are we to curing genetic eye disease?"

#### **Envision Conference, Envision University: Denver, CO – September 2016**

- Bittner, A.K., JD Shepherd, **NC Ross**, A Bowers. Paper Presentation. "Feasibility of telerehabilitation for low vision."

#### **Optometry's Meeting, American Association of Optometry: Boston, MA – June 2016**

- Gobeille, M, **NC Ross**. Symposium Paper Presentation. Vision Rehabilitation Member's forum. "Measuring outcomes of low vision rehabilitation delivered by a mobile clinic."
- Gobeille, M, **NC Ross**. Poster Presentation. "A hint of tint: Exploring glare control methods in the context of aniridia."
- Deffler, R, R Chin, **NC Ross**. Poster Presentation. "Low vision care of a patient affected by Donnai-Barrow facio-oculo-acustico-renal syndrome."

#### **Association for Research in Vision and Ophthalmology: Seattle, WA – May 2016**

- Gobeille, M, R Jamara, G Chu, AG Malkin, **NC Ross**. Poster Presentation. "Clinically meaningful outcomes of low vision rehabilitation by a mobile clinic." *Recipient of the 2016 Atwell Award*

#### **American Academy of Optometry: New Orleans, LA – October 2015**

- **Ross, NC**, R Woods, S Chung, K Visscher, G Rubin. Low Vision Section Symposium. "Update on the preferred retinal locus: what have we learned about visual function and the development of the pseudofovea in the context of macular disease?"

#### **Association for Research in Vision and Ophthalmology: Denver, CO – May 2015**

- Natale, D, **NC Ross**, C Bradley, FS Werblin, Y Boger, D Teitelbaum, RW Massof. Poster Presentation. "Independent effects of angular and relative distance magnification on reading speed in normal and low vision subjects."
- Werblin, FS, RW Massof, **NC Ross**, D Natale, C Bradley, Y Boger, D Teitelbaum. Poster Presentation. "Gaze-directed magnification: Developing a head-mounted, wide field, immersive, electronic low vision aid."

#### **Association for Research in Vision and Ophthalmology: Orlando, FL – May 2014**

- **Ross, NC**. Symposium Paper Presentation. "Does binocular suppression limit the functionality of unilateral low vision devices?". Low Vision Cross-Sectional Symposium- Binocular Vision Meets Low Vision

#### **Vision 2014 - 11<sup>th</sup> International Conference on Low Vision: Melbourne, Australia – Mar 2014**

- **Ross, NC**, S Hassan, RW Massof, J Stelmack. Paper Presentation. "Do the properties of the preferred retinal locus change with eccentric viewing training?"

#### **American Academy of Optometry: Seattle, WA – Oct 2013**

- **Ross, NC**, S Hassan, RW Massof, J Stelmack. Paper Presentation. "Do patients undergoing eccentric viewing training adapt a different, trained, preferred retinal locus?"

#### **Association for Research in Vision and Ophthalmology: Seattle, WA – May 2013**

- **Ross, NC**, JE Goldstein, RW Massof. Paper Presentation. "Association of Self-Reported Task Difficulty with Binocular Central Scotoma Locations" E-Abstract No. 2188. *Also presented at Wilmer Research Meeting*

**American Academy of Optometry: Boston, MA – Oct 2011**

- **Ross, NC**, SS Cooley, R Flom. Poster Presentation. "Unique Devices for Unique Demands – Low Vision Rehabilitation in a Case of Neuromyelitis Optica"

**American Academy of Optometry: San. Francisco, CA – Nov 2010**

- **Ross, NC**, AR Bowers, E Peli. Poster Presentation. "Detection performance when using unilateral peripheral prism spectacles for hemianopia" Abstract No. 105977

**American Academy of Optometry: San. Francisco, CA – Nov 2010**

- Gunn, RJ, **NC Ross**, et al. Poster Presentation. "Prevalence of Pterygium in Monte Plata, Dominican Republic" Abstract No. 105263

**Association for Research in Vision and Ophthalmology: Ft. Lauderdale, FL – May 2009**

- **Ross, NC**, AR Bowers, E Peli. Poster Presentation. "Consideration of optical scotomas in designing visual field expansion devices" E-Abstract No. 4734. *Also presented at Harvard Ophthalmology Conference, Recipient of the 2009 Atwell Award*

**CONTINUING EDUCATION:**

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**American Academy of Optometry: accepted for San Diego, CA – October 2022**

- **Ross, NC**, Malkin, AG. COPE approved lecture. "Binocular Vision in Low Vision – Is one eye better or two?"

**American Academy of Optometry: Boston, MA – November 2021**

- **Ross, NC**, Malkin, AG. COPE approved lecture. "Unique Devices for Unique Demands- Cases in Low Vision Rehabilitation "
- **Ross, NC**, Biffi, E. COPE approved lecture. "Management of Patients with ARMD in 2021 – A 360 Degree View"
- **Ross, NC**, Kran, B, Donahue, A. COPE approved lecture. "Clinical Diagnosis and Management of Cerebral/Cortical Vision Impairment – Beyond the Mind's Eye"
- **Ross, NC**, Malkin AG, Donahue A, COPE approved lecture. " Rapid Fire: Telehealth Applications in Low Vision Rehabilitation – Use Cases for a Post-Pandemic World"

**Low Vision| High Impact: New England College of Optometry Boston, MA – March 2020**

- Program Chair for a 9 hour continuing education series in low vision rehabilitation
- **Ross, NC** "Low Vision Rehabilitation in the 2020's – What's new and what has changed?"

**American Academy of Optometry: Virtual – October 2020**

- **Ross, NC**, Malkin, AG. COPE approved lecture. "Unique Devices for Unique Demands ". Ranked one of "AAO's top courses"

**Low Vision| High Impact: New England College of Optometry Boston, MA – March 2020**

- Program Chair for a 14 hour continuing education series in low vision rehabilitation with 7 hours of COPE approved hands-on workshop experience and 7 hours of COPE approved lecture
- **Ross, NC**; Malkin AG. "Low Vision Boot Camp – Integrating Low Vision Care into Your Practice"
- **Ross, NC**. "Effective and Efficient Prescribing of Near Optical Aids – 3 hour workshop"

**Vermont Optometric Association: Montpelier, VT – February 2020**

- **Ross, NC**. COPE approved lecture. "Comprehensive Management of Macular Disorders".

- **Ross, NC, Malkin, AG.** COPE approved lecture. “Low Vision Bootcamp – Integrating Low Vision into Your Practice”

**Orbis Webinar Hospital Training Series: University of Port Harcourt Teaching Hospital, TLEC Rehabilitation Center for the Blind and Severely impaired, Port Harcourt, Nigeria – January 2020**

- **Ross, NC, Malkin AG.** “Building A Foundation: Clinical Cases in Low Vision Rehabilitation”

**American Academy of Optometry: Orlando, FL – October 2019**

- Malkin, AG; **Ross, NC.** COPE approved lecture. “From the Smart Phone to the Smart Home: A Case-Based Review of What’s New in LV Technology”.

**Massachusetts Society of Optometry: North Falmouth, MA – June 2019**

- **Ross, NC.** COPE approved lecture. “Comprehensive Management of Macular Disorders”.
- **Ross, NC.** COPE approved lecture. “Low Vision Bootcamp – Integrating Low Vision into Your Practice”

**Massachusetts Department of Developmental Services Annual Conference: Norwood, MA – March 2019**

- **Ross, NC.** MA CE approved lecture. “To Wear or Not to Wear – Impact of Spectacle Use in Individuals with Disabilities”.

**Low Vision| High Impact: New England College of Optometry Boston, MA – March 2019**

- Program Co-Chair for a 14 hour continuing education series in low vision rehabilitation with 7 hours of COPE approved hands-on workshop experience and 7 hours of COPE approved lecture
- **Ross, NC; Malkin AG.** “Low Vision Boot Camp – Integrating Low Vision Care into Your Practice”
- **Ross, NC.** “Effective and Efficient Prescribing of Near Optical Aids – 3 hour workshop”

**Orbis Webinar Hospital Training Series: University of Port Harcourt Teaching Hospital, TLEC Rehabilitation Center for the Blind and Severely impaired, Port Harcourt, Nigeria – January 2019**

- **Ross, NC; Malkin AG.** “Introducing Low Vision Care into Your Practice – Intensive Case Discussion”

**American Academy of Optometry: San Antonio, TX – November 2018**

- **Ross, NC; Malkin, AG.** COPE approved lecture. “Management of Inherited Ocular Disorders Part II: Emerging Concepts in the Post Genome Era”.
- Malkin, AG; **Ross, NC.** “A Case-Based Review of What’s New in LV Technology”.

**Maine Optometric Association Meeting: Rockport, ME – September 2019**

- **Ross, NC; Malkin, AG.** COPE approved lecture. “Management of Inherited Ocular Disorders Part II: Emerging Concepts in the Post Genome Era”.
- Malkin, AG; **Ross, NC.** “A Case-Based Review of What’s New in LV Technology”.
- **Ross, NC; Malkin, A,** COPE approved lecture. “Low Vision for the Primary Care OD: Back to Basics”.

**Orbis Flying Eye Hospital Training Program at He Eye Hospital, Shenyang, China – June 2018**

- Lead a one week comprehensive program in low vision pediatric care with 20 hours of lecture and 20 hours of hands-on practical training with patients

**ORBIS CyberSight Webinar Series: Online at <https://cybersight.org/> - February 2018**

- **Ross, NC.** “Low Vision Devices: Providing Functional Vision for Patients”
- **Ross, NC.** “How to Adapt Your Examination for a Low Vision Patient”.

**University of California, Berkeley, College of Optometry: Berkeley, CA – February 2018**

- **Ross, NC.** COPE CE approved lecture. “Management of Inherited Ocular Disorders”.

**American Academy of Optometry: Chicago, IL – October 2017**

- Malkin, AG; **Ross, NC**. COPE approved lecture. "Vision & Cognition in the Aging Population".
- **Ross, NC**; Malkin, AG. COPE approved lecture. "Management of Inherited Ocular Disorders: Emerging Concepts in the Post Genome Era".
- **Ross, NC**. COPE CE approved lecture. "Management of Inherited Ocular Disorders: Cases in Pediatric Low Vision".

**New England College of Optometry Resident's Day: Boston, MA – July 2017**

- **Ross, NC**; Malkin, A, COPE approved lecture. "Low Vision for the Primary Care OD: Back to Basics".

**New York Optometric Society: Saratoga, NY – March 2017**

- Malkin, AG, **Ross, NC**;. COPE approved lecture. "The Silver Tsumani: Vision & Cognition in the Aging Population".
- **Ross, NC**; Malkin, AG. COPE approved lecture. "Management of Inherited Ocular Disorders: Emerging Concepts in the Post Genome Era".

**Massachusetts Society of Optometry: Marlborough, MA – September 2016**

- **Ross, NC**. COPE approved lecture. "Low vision then and now".

**Making the Grade – New England Eye: Boston, MA – September 2016**

- **Ross, NC**. MA CE approved lecture. "The pediatric low vision evaluation".

**New England College of Optometry Resident's Day: Boston, MA – July 2016**

- **Ross, NC**; Malkin, A, MA CE approved lecture. "Low Vision for the Primary Care OD".

**American Academy of Optometry: Anaheim, CA – November 2016**

- **Ross, NC**; Malkin, A; Chan, T; Goldstein, J. COPE approved lecture. "Rapid-Fire Pediatric low vision grand rounds: from pre-K to graduation day".

**Optometry's Meeting, American Association of Optometry: Boston, MA – June 2016**

- **Ross, NC**; Malkin, A. COPE approved lecture. "Expanding your toolbox: Low Vision for the primary care OD".

**New England College of Optometry , Hometown CE program: Toronto, ON – November 2015**

- **Ross, NC**. COPE approved lecture. "Low Vision: Incorporating Low Vision Care into Primary Care Practice".

**New England College of Optometry , Sunday CE program: Boston, MA – November 2015**

- **Ross, NC**; Malkin, AG; Jamara, R; Ying, H. COPE approved lectures. "High Tech Low Vision – One Day Low Vision University".

**Making the Grade – New England Eye: Boston, MA – September 2015**

- **Ross, NC**. MA CE approved lecture. "Management of a child/adult with special needs".

**New England College of Optometry Resident's Day: Boston, MA – July 2015**

- **Ross, NC**, MA CE approved lecture. "Difficult Conversations, Breaking Bad News".

**Massachusetts Department of Developmental Services Annual Conference: Norwood, MA –March 2015**

- **Ross, NC**. MA CE approved lecture. "The power of observation – case based discussion on the relationship between functional visual ability and visual function".

**Massachusetts Society of Optometry: Marlborough, MA – February 2015**

- **Ross, NC**. COPE approved lecture. "Low vision then and now – there's an app for that!"

**Massachusetts Association for the Blind & Visually Impaired: Boston, MA – January 2015**

- **Ross, NC.** COPE approved lecture. "Vision rehabilitation in the setting of stroke- evidence based review".

**Current Concepts in Ophthalmology: Baltimore, MD – Dec 2013**

- **Ross, NC., Malkin, AG, Chan, T, Goldstein, JE.** CME presentation. "Low Vision – Going beyond the magnifier".

**The Ohio State University, College of Optometry, Resident's Day: Columbus, OH – Jun 2012**

- **Ross, NC.** Ohio CE approved lecture. "Blue Cone Monochromacy: Understanding Relevant Clinical Findings, Management & Low Vision Rehabilitation"

**INVITED & GUEST LECTURES:**

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**Alberta Association for Teachers and Special Educators: Calgary, Alberta – December 2021**

- **Ross, NC.** CVI Webinar Series. "CVI Clinical Assessment"

**Hadassah Academic College, Dept. of Internationalization & Optometry: Jerusalem, Israel – June 2021**

- **Ross, NC.** Lunchtime Seminar Series. "Low Vision Rehabilitation Management Since COVID-19"

**Massachusetts Commission for the Blind: Boston, MA, Online – October 2020**

- **Ross, NC.** Keynote Address "Delivering care during the COVID-19 Pandemic – The Role and Future of Telehealth for low vision rehabilitation "

**Eschenbach Webinar Series: Online – August 2020**

- **Ross, NC.** "Telemedicine & Low Vision Rehabilitation – Lessons Learned from Research and Clinical Practice"

**Eschenbach Webinar Series: Online - February 2019**

- Malkin AG, **Ross, NC.** "Adding Low Vision to Your Practice"

**Massachusetts Commission for the Blind, Boston, MA: January 2019**

- **Ross, NC.** "Low Vision Rehabilitation Questions and Answers– A guide for counselors on collaborative care".

**He Eye Specialist Hospital & Orbis International, Hospital Training Program, Shenyang, China: June 2018**

- Visiting Professor and Clinician

**Massachusetts Department of Aging Seminar Series –Greater Boston sites, January–December 2018**

- **Ross, NC.** "Low Vision Rehabilitation – A guide for patients on what is it and what to expect".

**Boston Accessibility Conference, IBM-Watson, Cambridge, MA: October, 2017**

- **Ross, NC.** "Empowering and employing the visually impaired".

**Genentech EyeQ Platform Talk, Genentech Campus, San Francisco, CA: September 2017**

- **Ross, NC.** "Low Vision Rehabilitation: Examining Patient Centered Outcomes in the Anti-VEGF Era".

**Low Vision Awareness Program: LV Prasad Eye Institute Hyderabad, India – March 2016**

- **Ross, NC, Malkin, AG.** "Technology and Low Vision Rehabilitation: Is this the way of the future?"
- **Ross, NC.** " Management of a child with low vision".
- **Ross, NC.** " Management of a child/adult with special needs".
- **Ross, NC, Malkin, AG.** "Measuring outcomes of low vision rehabilitation: How are we doing?"

**Schepens Research Institute VIVO Lecture Series: Boston, MA – November 2014**

- **Ross, NC.** "Task difficulty and binocular central scotoma locations".

**The Ohio State University, College of Optometry, Guest Lecturer: Columbus, OH -Mar 2014**

- Ross, NC. "Rehabilitation of Central Vision Loss: Compensating for Lost Foveal Function".

**Department of Aging: Potomoc, MD – Oct 2013**

- Ross, NC, Laul, A. "Stepping on – A Program for Fall Prevention in Seniors".

**The Ohio State University, College of Optometry, Guest Lecturer: Columbus, OH – Feb 2013**

- Ross, NC. "Novel Approaches to Central Vision Loss"

**EXTRAMURAL FUNDING :**

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**Understanding Predictors of Vocational Outcomes in Low Vision Impairment, 2022**

- MCB RFR Award, RFR BD-22-1065-MCB1-1-71917
- Project PIs: **Nicole Ross & Alicia Donahue**

**Masshealth Provider Access Improvement Grant, 2021**

- Equipment grant to improve access to OCT Angiography and OCT imaging to those with disabilities and multiple disabilities
- **Awardees:** Tim Bossie & **Nicole Ross**, NECO Center for Eyecare

**Community Access through Remote Eye Sight (CARE Study), 2019 – 2021**

- NIDILRR Award, 90DPGE0012-01-00
- **Project PI: Nicole Ross**

**Eye movement Rehabilitation in Low Vision Patients, 2019 – 2024**

- NIH R-01 Award, 1R01EY029713-01
- Project PI: Peter Bex
- **Co-I and PI for NECO site: Nicole Ross**

**Beacon Sensors and Telerehabilitation to Assess and Improve use of Devices for visual functioning (BeST-AID), 2019 – 2021**

- NIH R-21 Award, R21 EY029883
- Project PI: Ava K. Bittner
- **Co-I and PI for NECO site: Nicole Ross**

**Beacon Sensors and Telerehabilitation to Assess and Improve use of Devices for visual functioning (BeST-AID), 2019 – 2021**

- Clinical Research Award, American Academy of Optometry
- Project PI: Ava K. Bittner
- **Co-I: Nicole Ross**

**Understanding the Gap between Vision Impairment and Legal Blindness, 2020**

- MCB RFR Award, RFR BD-20-1065-MCB1-1-50101
- Project PI: Alexis Malkin
- **Co-I: Nicole Ross**

**Implications of Increased Incidence that CVIs could have on VR Outcomes, 2020**

- MCB RFR Award, RFR BD-20-1065-MCB1-1-50100
- Project PI: Anne Fulton
- **Co-I: Nicole Ross**

**Applying Virtual Realty Technology to Telehealth for Low Vision Clinical Education, 2020**

- Rosemore Low Vision Educational Award, American Academy of Optometry
- **Project PI: Nicole Ross**

**Applying Online Peer-Led Case-Based Learning to Improve Clinical Reasoning in Low Vision, 2016- 2017**

- Rosemore Low Vision Educational Award, American Academy of Optometry
- Project PI: Richard Jamara,
- Project Team: **Nicole Ross**, Sarah Wassnig, Alexis Malkin

**Feasibility of Tele-rehabilitation for Low Vision, 2015-2017**

- Envision Institute
- PI: Ava K. Bittner
- **Co-I and Project Manager: Nicole Ross**

**Next Generation Low Vision Enhancement, 2014-2015**

- Readers Digest Partners for Sight Foundation
- PI: Robert Massof
- **Co-PI: Nicole Ross**

**MENTORING:**

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2022 – 2025, **Thesis Advisor**, Bethany Arabic, Masters of Vision Science Candidate, New England College of Optometry

2022 – 2025, **Thesis Advisor**, Katie Sun, Masters of Vision Science Candidate, New England College of Optometry

2021 – 2022, **Resident Co-Advisor and Research Project Mentor**, Dr. Jem Martin, Vision Rehabilitation Resident, New England College of Optometry

2021, **Advisor**, Meghan Knizak, T35 Summer Program, New England College of Optometry

2021, **Advisor**, Bridget Peterson, T35 Summer Program, New England College of Optometry

2020 – 2021, **Resident Co-Advisor and Research Project Mentor**, Dr. Stephanie Aigbe, Vision Rehabilitation Resident, New England College of Optometry, *Recipient of Member in Training ARVO Travel Grant, Recipient of the Minnie Flaura Turner Award for Vision Impairment, Alfred Rosenbloom AAO Low Vision Resident Award*

2020 - 2023, **Thesis Co-Advisor**, Maria Riaz, Masters of Vision Science Candidate, New England College of Optometry, *Recipient of the BSK Student Research Grant*

2020-2021, **Advisor**, Kamila Osypiuk, Summer Research Program, New England College of Optometry, *Recipient of Student ARVO Travel Grant*

2019 – 2022, **Thesis Advisor**, Brittany Bowman, Masters of Vision Science Candidate, New England College of Optometry, *Recipient of the BSK Student Research Grant, Reader's Digest Partners for Sight ARVO Travel Grant and AAO/AOF Travel Grant*

2017 – 2021, **Thesis Advisor**, Nicole Adams, Masters of Vision Science Candidate, New England College of Optometry, *Recipient of the Minnie Flaura Turner Award for Vision Impairment Research, AAO/AOF Travel Grant and Johns Hopkins Wilmer Eye Institute Emerging Leaders Program, Bill Mattingly Memorial Scholarship 2021*

2017 – 2021, **Clinical Study Team Member and Mentor**, Tiffany Arango, Doctor of Philosophy in Psychology Candidate, Northeastern University

2016-2020, **Thesis Advisor**, Joella Martire, Masters of Vision Science Candidate, New England College of Optometry, *Recipient of the Reader's Digest Partners for Sight ARVO Travel Grant*

2020, **Thesis Committee Member**, Ting (Christine) Zhang, Masters of Vision Science Candidate, New England College of Optometry

2016-2017, **Advisor**, Kayla Rose (Andrade), T35 Summer Program, New England College of Optometry, *Recipient of the AAO/AOF Travel Grant*

2015, **Thesis Committee Member**, Ran He, Masters of Vision Science Candidate, New England College of Optometry

2015-2018, **Thesis Advisor**, Micaela Gobeille, Masters of Vision Science Candidate, New England College of Optometry, *Recipient of the ARVO Atwell Award, Minnie Flaura Turner Award for Vision Impairment Research, AAO/AOF Travel Grant, J. Pat Cummings Scholarship and BSK Student Research Grant*

## **RELEVANT PROFESSIONAL SERVICE:**

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### **Academy for Certification for Vision Rehabilitation & Education Professionals**

- Board of Directors Member, 2021 – 2023
- BOD Executive Committee, Member at Large 2022

### **Ad-Hoc Peer Reviewer**

- Journal of Clinical & Experimental Optometry
- Journal of Optometry & Vision Science (OVS)
- Journal of Ophthalmic & Physiological Optics (OPO)
- British Medical Journal (BMJ)
- BMJ Open
- Journal of Ophthalmic Epidemiology
- Translational Vision Science & Technology (TVST)
- Nature Scientific Reports

### **American Schools & Colleges of Optometry**

- NECO representative for the Low Vision Educators SIG
- Member of Low Vision Educators Steering Committee July 2019 – Present
- Chair of the Clinical Low Vision Education Subcommittee July 2018 – Present

### **American Academy of Optometry**

- Diplomate in Low Vision, 2021
- Mentor and advisor for Fellowship Candidates
- Current Secretary and Active Member of Vision and Aging SIG
- Program Chair for the Low Vision Section, 2015-2017
- Active Member of Low Vision Section and Vision Science Section

### **Canadian Association of Optometry – Student Chapter**

#### **New England College of Optometry, Boston MA**

- Faculty Advisor to Student Chapter 2018 – Present

### **American Association For Research In Vision And Ophthalmology**

- Active Member of CL and LV Cross-sectional Group 2009 - Present
- Annual Meeting Planning Committee, Low Vision Cross Sectional Group, 2017 – 2020, Chair 2020
- Low Vision Research Group, Co-Chair, 2017-2019
- Selected as a participant and presenter in 2015 ARVO Young Investigator and AEVR Emerging Vision Scientist Joint Advocacy Day

### **New England College of Optometry, Internal Committees**



- Member of Graduate Studies Committee, 2020 to Present
- Member of the Research Committee, 2017 to Present
- Member of Student Retention Task Force, 2017 to Present
- Member of the Clinical Task Force Committee, 2017 to 2019
- Member of the Student Scholarship Committee, 2014 to 2019
- Member of the Teaching and Learning Committee, 2015 to 2018
- Member of the Commonwealth Clinic Council, 2015-2017
- NECO Strategic Planning, 2014-2015
- Member of the Sexual Harassment Committee, 2014-2016

#### **Advisory Board Member**

- Genentech, Geographic Atrophy, 2016 – 2017

#### **Neuro-Rehabilitation Club**

##### **New England College of Optometry, Boston MA**

- Faculty Advisor to Student Chapter, 2014 -2015

##### **New England College of Optometry, Alumni Association**

Director and Representative of the Class of 2011, 2014 - 2019

- Past and founding chair for annual graduate strong program for Canadian students

#### **Volunteer Optometric Services To Humanity (VOSH)**

##### **New England College of Optometry, Boston MA**

Active Member 2007-2018

Student President 2009-2010, Student Coordinator 2007-2009

- Organized annual international mission to Dominican Republic in April 2010
- Organized and founded first local free eye clinic at the Sharewood Free Medical Clinic in Malden, MA in coordination with Tufts Medical School
- Organized local vision screenings through Boston community centers, churches and schools by coordinating with the local Lions Clubs and the Cambridge Health Alliance

#### **PROFESSIONAL MEMBERSHIPS:**

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Lions Club International

International Society for Low Vision Research and Rehabilitation (ISLRR)

Massachusetts Society of Optometrists

American Academy of Optometry

Association for Research in Vision and Ophthalmology

American Optometric Association – Vision Rehabilitation Section Member

Volunteer Optometric Services for Humanity International

Canadian Association of Optometrists, Alberta Optometric Association

#### **Media Releases/Appearances:**

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2021, Optometry Advisor Interview, “Adapting the Optometric Exam for Young Patients with Cortical Vision Impairment”, <https://www.optometryadvisor.com/pediatric-optometry/adapting-pediatric-optometry-exams-for-patients-with-cvi/>

2021, Facebook Live Webcast, “How is CVI Diagnosed? Cortical Vision Impairment and Clinical Assessment”, part of the CVI Now initiative with Perkins School for the Blind, <https://www.perkins.org/cvi-now/understanding-cvi/medical-expert-qa-diagnosing-cvi>

2020, TV appearance, “What’s Your Vision?”, local public service announcement with Massachusetts Commission for the Blind, <https://www.mass.gov/whats-your-vision>

2020, Podcast, "Working with Vision Impairment", Radio podcast for the Massachusetts Commission for the Blind, <https://podcasts.apple.com/us/podcast/mcb-career-views/id1536603298>

2018, TV Appearance, "New Technologies for the Visually Impaired with Kristy Lee", NBC Boston, [https://www.nbcboston.com/news/health/new-glasses-read-out-loud-and-recognize-faces-for-blind\\_necn/127403/](https://www.nbcboston.com/news/health/new-glasses-read-out-loud-and-recognize-faces-for-blind_necn/127403/)

2018, Web-based Video Production, "Hemianopia" and "Fitting Prisms for Hemianopia", filmed by Chadwick Optical, <https://chadwickoptical.com/peli-lens-2/>, <https://chadwickoptical.com/hemianopsia-resources/how-hemianopic-vision-works/>, <https://chadwickoptical.com/how-the-peli-lens-works/>

2016, Radio Appearance, "Coping with Vision Loss", Marshfield, MA local radio

2014, TV Appearance, "Flash, Story of Chase", NESN Next Producer, <https://www.youtube.com/watch?v=t1Uuf5scyV8>

2014, Radio Appearance, "An Eye on Health" with Drs. Richard Laudon, and Lou Frank, UR Business Network, <https://www.neco.edu/news/entry/dr.-laudon-podcast-with-dr.-ross-and-dr.-frank>

2014, TV Appearance, "What is low vision rehabilitation?", televised talk to the MA Council on Aging

2013, Webcast Appearance, "Wilmer Lions Low Vision Rehabilitation Center – Specialized Testing", <https://www.youtube.com/watch?v=4Ibc2018ROg>