

# KUNYONG XU MD MHS<sub>c</sub>

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## EDUCATION

### *Vitreoretinal Surgery Fellowship, 2017-2019*

CORNELL UNIVERSITY, Weill Cornell Medicine, New York City, New York, United States

Attending: Dr. Donald J. D'Amico, Dr. Szilard Kiss, Dr. Michael Nissen, Dr. Sangwoo Lee, Dr. Charles Mango, Dr. Anton Orlin, Dr. Mrinali P Gupta, and Dr. Athanasios Papakostas

### *Ophthalmology Residency, 2012-2017*

QUEEN'S UNIVERSITY, Kingston, Ontario, Canada

### *Doctor of Medicine, 2009-2012*

MCMASTER UNIVERSITY, Hamilton, Ontario, Canada

### *Doctor of Philosophy in Public Health Sciences, Health & Behavioral Sciences, 2007-2009 (all required coursework completed)*

UNIVERSITY OF TORONTO, Toronto, Ontario, Canada

### *Master of Health Sciences, Epidemiology & Community Health Sciences, 2005-2007*

UNIVERSITY OF TORONTO, Toronto, Ontario, Canada

### *Bachelor of Medicine, Preventative Medicine & Public Health, 1999-2004*

GUANGDONG PHARMACEUTICAL UNIVERSITY, Guangzhou, Guangdong, China

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## BOARD CERTIFICATE and MEDICAL LICENSING

### *Ophthalmology Board Certification*

Fellow of the Royal College of Surgeons of Canada (2017)

Diplomate of the American Board of Ophthalmology (2019)

*Licentiate of the Medical Council of Canada (MCC):* Medical Council of Canada Qualifying Examination Part I and Part II (2012, 2015)

*Licensed in New York State* (license number: 287677), *Washington State* (license number: 60726404), *Iowa State* (license number: 44118), and *Arizona State* (license number: 58778)

## **HONORS AND AWARDS**

- 2020 **Harold E. Cross Department of Ophthalmology Teaching Award**, United States
- 2019 **Women in Ophthalmology 2019 Summer Symposium Top 10 Best Posters**, United States
- 2018 **Association for Research in Vision and Ophthalmology (ARVO) Foundation/Retina Research Foundation/ Joseph M. and Eula C. Lawrence Travel Grant**, United States
- 2018 **The Association for Research in Vision and Ophthalmology Communicator Ribbon**, United States
- 2018 **Outstanding Reviewer, Canadian Journal of Ophthalmology**, Canada
- 2016 **American Society of Cataract and Refractive Surgery (ASCRS) Foundation Resident Excellence Award**, United States
- 2016 **MillennialEYE LIVE Grant**, United States
- 2015 **Sun & Science National Eye Research Conference for Ophthalmology Residents and Fellows Travel Award**, United States
- 2015 **MillennialEYE LIVE Glaucoma Grant**, United States
- 2015 **Queen's University Department of Ophthalmology Research Day Third Prize**, Canada
- 2012 **Dr. Mark Cohen Prize in Ophthalmology**, Canada
- 2011 **Canadian Institutes of Health Research (CIHR) Health Professional Student Research Award**, Canada
- 2010 **Elizabeth Ann Hendrie Travel Award**, Canada
- 2010 **The First Canadian HIV/HBV/HCV Co-Infection Research Summit Scholarship**, Canada
- 2010 **The Fifth North American Housing and HIV/AIDS Research Summit Scholarship**, Canada
- 2009 **Universities without Walls Summer Learning Institute Scholarship**, Canada
- 2009 **Lupina Junior Doctoral Fellowship**, Canada
- 2009 **Ontario Graduate Scholarship (OGS)**, Canada
- 2008 **University of Toronto Fellowship**, Canada
- 2008 **Ontario HIV Treatment Network Annual Conference Poster Presentation Award**, Canada
- 2008 **Ontario HIV Treatment Network Summer Learning Institute Scholarship**, Canada
- 2008 **The Government of Ontario/Inge and Ralf Hoffman Graduate Scholarship in Science and Technology**, Canada
- 2008 **The XVII International AIDS Conference International Scholarship**, Mexico
- 2008 **Center for AIDS Prevention Studies Sixth HIV Prevention Conference Scholarship**, United States
- 2007 **Public Health Research, Education and Development Student Award**, Canada
- 2007 **University of Toronto Fellowship**, Canada
- 2006 **Canadian Arthritis Network Travel Award**, Canada
- 2006 **Epidemiology and Biostatistics Award**, Canada
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## TEACHING EXPERIENCE

2019 – present UNIVERSITY OF ARIZONA, Tucson, Arizona, United States

- Teaching residents and medical students fluorescein angiography (FA) and optical coherence tomography (OCT)
- Providing supervision and teaching to residents in clinical care of patients in clinics and at hospitals.

2017 – 2019 CORNELL UNIVERSITY, WEILL CORNELL MEDICINE, New York City, New York, United States

- Taught residents and medical students fluorescein angiography (FA) and optical coherence tomography (OCT)
- Provided supervision and teaching to residents in clinical care of patients in clinics and at hospitals.

2016 ORBIS FLYING EYE HOSPITAL, Shenyang, Liaoning, China

- Helped the ORBIS staff ophthalmologists with clinical care.
- Assisted with preoperative and postoperative care of surgical patients.
- Trained local eye care team on simulator program in cataract surgery.
- Provided lectures on a variety of ocular diseases and problems.

2014 – 2017 QUEEN'S UNIVERSITY, Kingston, Ontario, Canada

- Provided supervision and teaching medical students and junior residents in clinical care of patients.
  - Gave feedback to medical students and junior residents about clinical skills, interpersonal interactions, and performance.
  - Conducted seminars for ophthalmology residents.
  - Taught junior residents how to use instruments and equipment to diagnose and to treat common ocular problems.
  - Provided review sessions for residents to prepare for the departmental exams and the Ophthalmic Knowledge Assessment Program (OKAP) exams.
  - Organized and providing teaching sessions for family medicine residents to increase basic ophthalmic knowledge.
  - Taught medical students in ophthalmology clinical skills sessions.
  - Conducted surgical skill sessions in the wet lab to help residents improve their surgical technique.
  - Explained surgical procedures to medical students in the operating room.
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## PUBLICATIONS

### I . JOURNAL PAPERS

Almeida DRP, Ruzicki J, **K Xu**, EK Chin. *Vision Recovery Velocity, Momentum and Acceleration: Advanced Vitreoretinal Analytics As Measure of Treatment Efficacy for Neovascular Age-related Macular Degeneration.* (Submitted to JAMA Ophthalmology)

**Xu K**, Almeida DRP, Chin EK. *Pentosan Maculopathy Mimicking Pattern Dystrophy.* (Submitted to Canadian Journal of Ophthalmology)

Arjmand P, **Xu K**, Chin EK, Almeida DRP. *Risk Score Model to Predict Worse Final Visual Acuity in Patients with Proliferative Vitreoretinopathy.* (Submitted to American Journal of Ophthalmology)

**Xu K**, Almeida DRP, Chin EK. *Handsen's Disease.* (Submitted to Ophthalmic Surgery, Lasers and Imaging Retina)

## **I. JOURNAL PAPERS (continued)**

- Xu K**, Almeida DRP, Chin EK. *Ocular Toxocariasis*. (Submitted to Ophthalmic Surgery, Lasers and Imaging Retina)
- Xu K**, Chin EK, Almeida DRP. *Iatrogenic Subretinal Triamcinolone During Primary Surgical Repair of a Retinal Detachment with Giant Retinal Tear*. (Accepted to Journal of VitreoRetinal Diseases)
- Chang M, Kuriakose RK, **Xu K**, Almeida DRP, Chin EK. *Chronic Unilateral Uveitis with Macular Edema Secondary to Dabrafenib for Pilocytic Astrocytoma*. (Accepted to Case Reports in Ophthalmology)
- Kang N, Kuriakose R, **Xu K**, Almeida DRP, Chin EK. *Apremilast for Uveitis Associated with Behcet's Disease*. <https://covalentcareers.com/resources/ophthalmology-case-reports-apremilast-for-uveitis-associated-with-beh%C3%A7ets-disease/>
- Mintz J, Labiste C, Dicaro M, McElroy E, Alizadeh R, **Xu K**. Teleophthalmology for Age Related Macular Degeneration During The COVID-19 Pandemic and Beyond. *Journal of Telemedicine and Telecare*. 2020 Sep 29;1357633X20960636. doi: 10.1177/1357633X20960636.
- Xu K**, Almeida DRP, Chin EK. *Waardenburg Syndrome*. *Retina Today*. <https://retinatoday.com/articles/2020-july-aug/waardenburg-syndrome>.
- Xu K**, Mousa R, Loewenstein A, Barak A, Chin EK, Almeida DRP. *Management and Visual Outcomes of Acute Bacterial Endophthalmitis Following Intravitreal Injection of Contaminated Bevacizumab in a Single Day*. *Ophthalmic Surgery, Lasers and Imaging Retina* 2020; 51: 346-352.
- Xu K**, Chin EK, Almeida DRP. *Variables Associated With Culture-Positive Endophthalmitis After Intravitreal Injection of Vascular Endothelial Growth Factor Inhibitors*. *Journal of VitreoRetinal Diseases* 2019; 3: 317-323.
- Xu K**, Chin EK, Bennett SR, Williams DF, Ryan EH, Dev S, Mitra RA, Quiram PA, Davies JB, Parke DW III, Boldt HC, Almeida DRP. *Predictive Factors of Proliferative Vitreoretinopathy after Primary Retinal Detachment Repair*. *RETINA: The Journal of Retinal and Vitreous Diseases*. *RETINA: The Journal of Retinal and Vitreous Diseases* 2019; 39:1488-1495.
- Gupta MP, Dow E, Jeng-Miller KW, Mukai S, Orlin A, **Xu K**, Yonekawa Y, Chan RVP. *Spectral domain optical coherence tomography findings in Coats' disease*. *RETINA: The Journal of Retinal and Vitreous Diseases* 2019; 39:1177-1185.
- Xu K**, Chin EK, Bennett SR, Williams DF, Ryan EH, Dev S, Mitra RA, Quiram PA, Davies JB, Parke DW III, Johnson JB, Cantrill HL, Almeida DRP. *Endophthalmitis After Intravitreal Injection of Vascular Endothelial Growth Factor Inhibitors: Management & Visual Outcomes*. *Ophthalmology* 2018; 125:1279-1286.
- Xu K**, Gupta V, Bae S, Sharma S. *Metamorphopsia and Vision-related Quality of Life among Patients with Age-related Macular Degeneration*. *Canadian Journal of Ophthalmology* 2018; 53: 168 –172.
- Xu K**, Chin EK, Parke DW III, Almeida DRP. *Epiretinal Membrane and Cystoid Macular Edema as Predictive Factors of Recurrent Proliferative Vitreoretinopathy*. *Clinical Ophthalmology* 2017; 11: 1819–1824.
- Xu K**, Almeida DRP. *Myelinated Retinal Nerve Fiber, Myopia, and Amblyopia Syndrome*. *Canadian Journal of Ophthalmology* 2017; 52: e127.
- Kuriakose RK, **Xu K**, Chin EK, Almeida DRP. *Proliferative Vitreoretinopathy (PVR) Update: Current Surgical Techniques and Emerging Medical Management*. *Journal of VitreoRetinal Diseases* 2017; 1: 261–269.
- Xu K**, Gupta V, Gonder T. *Ischemic Central Retinal Vein Occlusion in a 14-year-old Female*. *Canadian Journal of Ophthalmology* 2017; 52: e64–e66.

## **I. JOURNAL PAPERS (continued)**

Chin EK, Almeida DRP, Velez G, **Xu K**, Peraire M, Corbella M, Elshatory YM, Kwon YH, Gehrs KM, Boldt HC, Sohn EH, Russell SR, Folk JC, Mahajan VB. *Ocular Hypertension after Intravitreal Dexamethasone (Ozurdex) Sustained-release Implant*. *RETINA: The Journal of Retinal and Vitreous Diseases* 2017; 37:1345-1351.

**Xu K**, Chin EK, Carpel EF, Almeida DRP. *Bimanual Pars Plana Vitrectomy for Dislocated Donor Graft in Descemet Stripping Automated Endothelial Keratoplasty*. *Retinal Cases & Brief Reports* 2017; 11: 323-324.

**Xu K**, Navajas EV. *Spectral Domain Optical Coherence Tomography Guided Facedown Posturing versus 1 Week Facedown Posturing after Idiopathic Full Thickness Macular Hole Surgery*. *Canadian Journal of Ophthalmology*; 2017: 52: 9-12.

**Xu K**, Campbell ELP, Gill SS, Nesdole R, Campbell RJ. *Impact of Combination Glaucoma Therapies on Beta-blocker Exposure*. *Journal of Glaucoma* 2017; 26: e107-e109.

**Xu K**, Almeida DRP. *Five Things to Know About... Intraocular Foreign Body*. *Canadian Medical Association Journal* 2017: 189: e163.

**Xu K**, Chin EK, Davies JB, Almeida DRP. *Novel Technique for Submacular Hemorrhage Removal Using 27-gauge Pars Plana Vitrectomy and Recombinant Tissue Plasminogen Activator*. *Journal of VitreoRetinal Diseases* 2017; 1: 88.

**Xu K**, Tzankova V, Li C, Sharma S. *Intravenous Fluorescein Angiography - Associated Adverse Reactions*. *Canadian Journal of Ophthalmology*; 2016: 51: 321-325.

**Xu K**, Chin EK, Almeida DRP. *Five-port Combined Limbal and Pars Plana Vitrectomy for Infectious Endophthalmitis*. *Case Reports in Ophthalmology* 2016; 7: 289-291.

**Xu K**, Chin EK, Quiram PA, Davies JB, Parke DW III, Almeida DRP. *Retinal Injury Secondary to Laser Pointers in Pediatric Patients*. *Pediatrics* 2016;138: e20161188.

**Xu K**, Chin EK, Mahajan VB, Almeida DRP. *Intravitreal Foscarnet with Concurrent Silicone Oil Tamponade for Rhegmatogenous Retinal Detachment Secondary to Viral Retinitis*. *RETINA: The Journal of Retinal and Vitreous Diseases*; 2016: 36: 2236-2238.

**Xu K**, Almeida DRP, Chin EK, Mahajan VB. *Delayed Fungal Endophthalmitis Secondary to Curvularia*. *American Journal of Ophthalmology Case Reports* 2016; 3: 1-4.

Navajas EV, **Xu K**. *Spectral Domain Optical Coherence Tomography Findings in a Case of Mitochondrial Encephalopathy, Lactic Acidosis and Stroke Like Episodes*. *Canadian Journal of Ophthalmology* 2015; 50: e115-e117.

**Xu K**, Chan TC, Vajpayee RB, Jhanji V. *Corneal Collagen Cross-linking: A Review of Clinical Applications*. *Asia-Pacific Journal of Ophthalmology* 2015; 4: 300–306.

Campbell RJ, Bell CM, Gill SS, Whitehead M, Campbell Ede L, **Xu K**, El-Defrawy SR. *Clinic-based Glaucoma Care in the Era of Surgical Subspecialization*. *American Journal of Ophthalmology* 2014; 157: 631-9.

**Xu K**, McKee HD, Jhanji V. *Phototherapeutic Keratectomy*. *Expert Review of Ophthalmology* 2014; 9: 49-58.

**Xu K**, McKee HD, Jhanji V. *Changing Perspective of Reasons for Not Performing Laser-assisted In Situ Keratomileusis among Candidates in a University Eye Clinic*. *Clinical and Experimental Optometry* 2013; 96: 20-24.

## **I. JOURNAL PAPERS (continued)**

**Xu K**, Kam KWY, Alvin L, Jhanji V. *Recurrent Corneal Erosion Syndrome*. Asia-Pacific Journal of Ophthalmology 2012; 1: 349-354.

**Xu K**, Trope GE, Buncic R, Jin YP. *Utilization of Eye Care Providers by Canadian Adolescents: Evidence from the Canadian Community Health Survey*. Canadian Journal of Ophthalmology 2012; 47: 211-216.

**Xu K**, Jhanji V. *Ophthalmoproliferative Keratitis. Can You Identify this Condition? Vernal Keratoconjunctivitis with Shield Ulcers*. Canadian Family Physician 2012; 58: 537, 540, 542.

**Xu K**. *Informed Consent and Culture*. Canadian Family Physician 2012; 58: e357.

Anderson K, Slatnik M, Cheung E, Pereira I, **Xu K**, Brewer TF. *Are We There Yet? Preparing Canadian Medical Students for Global Health Electives*. Academic Medicine 2012; 87: 206-9.

Allman D, Myers T, **Xu K**, Steele SJ. *The Social Technographics of Gay Men and Other Men Who Have Sex with Men (MSM) in Canada: Implications for HIV Research, Outreach and Prevention*. Digital Culture & Education 2012; 4: 127-145.

**Xu K**, Jhanji V. *Refractive Surgery or Contact Lenses - How and When to Decide?* Clinical Optometry 2011; 3: 63-72.

**Xu K**. *Cultural Competency in Health Care*. The University of Toronto Medical Journal 2011; 89:43.

**Xu K**. *Social Factors in Relation to HIV Diagnosis*. The Medical Student International 23 2011: 24-5.

Allman D, **Xu K**, Myers T, Aguinaldo J, Calzavara L, Maxwell J, Remis R, Burchell A. *Delayed Application of Condoms with Safer and Unsafe Sex: Factors Associated with HIV Risk in a Community Sample of Gay and Bisexual Men*. AIDS Care 2009; 21: 775-784.

Myers T, Allman D, **Xu K**, Burchell A, Remis R, Calzavara L, Aguinaldo J, Swantee C. *The Prevalence and Correlates of HCV Infection and HCV-HIV Co-infection among a Community Sample of Gay and Bisexual Men*. International Journal of Infectious Diseases 2009; 13: 730-739.

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## **II. CONFERENCE ABSTRACTS**

**Xu K**, Navajas EV. *Spectral Domain Optical Coherence Tomography Guided Facedown Posturing versus 1 Week Facedown Posturing after Idiopathic Full Thickness Macular Hole Surgery*. Investigative Ophthalmology & Visual Science 2015; 56: 1235.

**Xu K**, Trope GE, Thavorn K, Jin YP. *Access to Government-insured Vision Care versus Privatized Dental Care amongst Canadian Adolescents: Is Cost the Sole Barrier?* Investigative Ophthalmology & Visual Science 2012; 53; 6768.

**Xu K**, Trope GE, Buncic RJ, Jin YP. *Inequities in Eye Care Utilization among Canadian Adolescents: Evidence from the Canadian Community Health Survey*. Investigative Ophthalmology & Visual Science 2011; 52; 6322.

**Xu K**, Elston D, Smaill F, Smieja M. *Depression, Anxiety, and Cardiovascular Disease Risk among People Living with HIV/AIDS (PHAs) in the Canadian HIV Vascular Study*. The Canadian Journal of Infectious Diseases & Medical Microbiology; 2011; 22 (Suppl B): 70B.

## **II. CONFERENCE ABSTRACTS (continued)**

Allman D, Myers T, **Xu K**, Taleski SJ. *The Social Technographics of Men who have Sex with Men: Implications for HIV Prevention Research, Education and Outreach in Canada*. The Canadian Journal of Infectious Diseases & Medical Microbiology 2010; 21 (Suppl B): 71B.

**Xu K**, Myers T, Allman D, Remis RS, Calzavara L, Husband W, Maxwell J, Liu J, Paquette D, Archibald C. *How Bisexual Men Differ from Gay Men in HIV, HCV and HIV-HCV Co-infection and Socio-behavioural Characteristics in Two Cross-sectional Studies in Ontario?* The Canadian Journal of Infectious Diseases & Medical Microbiology 2009; 20 (Suppl B): 66B.

Myers T, Allman, D, **Xu K**, Remis R, Calzavara L, Maxwell J, Swantee C, Husbands W, Paquette D, Archibald C. *Who Provides Biologic Specimens for HIV Prevalence Research? Comparison of Provision in Two Cross-sectional Studies of Men Who Have Sex with Men in Ontario*. The Canadian Journal of Infectious Diseases & Medical Microbiology 2009; 20 (Suppl B): 14B.

Badley EM, Veinot PL, **Xu K**, Bell MJ. *Evaluation of a National Community-Based Educational Intervention to Improve Primary Health Care Management of Arthritis: Impact on Patients*. The Journal of Rheumatology 2009; 35:1214.

**Xu K**, Myers T, Allman D, Calzavara L. *The Prevalence and Factors Associated with Having Unsafe Sex with both Regular and Casual Sex Partners among Men Who Have Sex with Men (MSM) in Ontario*. The Canadian Journal of Infectious Diseases & Medical Microbiology 2008; 19: 41A.

**Xu K**, Myers T, Allman D, Calzavara L. *Correlates of Circumcision and Associations with HIV Status among Ontario Men who Have Sex with Men (MSM)*. The Canadian Journal of Infectious Diseases & Medical Microbiology 2008; 19: 80A.

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## **III. BOOK CHAPTER**

Allman D, Myers T, **Xu K**, Steele SJ. (2015). *The Social Technographics of Gay Men and Other Men Who Have Sex with Men (MSM) in Canada: Implications for HIV Research, Outreach and Prevention*. In: Walsh, C. S. (Ed.) Using information and communication technologies (ICTS) to transform community-based and led HIV prevention and care for marginalized populations. United Kingdom: Digital Culture & Education (DCE) (published under a Creative Commons Attribution-NoDerivatives 4.0 International (CC BY-ND 4.0) license)

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## **CONFERENCE PRESENTATIONS**

**Xu K**, Chin EK, Almeida DRP. Management and Visual Outcomes of Twenty-four Cases of Culture-proven Acute Bacterial Endophthalmitis Following Intravitreal Injection of Contaminated Bevacizumab In A Single Day. (Accepted to the 37<sup>th</sup> World Ophthalmology Congress, Cape Town, South Africa; 2020 Canadian Ophthalmology Society (COS) Annual Meeting, Vancouver, British Columbia, Canada; American Society of Retina Specialists 38<sup>th</sup> Annual Meeting, Seattle, Washington, USA)

## **CONFERENCE PRESENTATIONS (continued)**

Gandy C, Ertel M, **Xu K**, Van Tassel S, Sun G. Retinopathy Associated with Hematologic Malignancies. Women in Ophthalmology 2019 Summer Symposium, Coeur D'Alene, Idaho, United States

Koschitzky M, **Xu K**, Kiss S. Ocular Syphilis: Clinical Manifestations and Visual Outcomes. The 2019 Annual Meeting of the Association for Research in Vision and Ophthalmology (ARVO), Vancouver, British Columbia, Canada)

**Xu K**, Chin EK, Almeida DRP. Endophthalmitis After Intravitreal Injection of Vascular Endothelial Growth Factor Inhibitors: Management & Visual Outcomes. (The 2018 Annual Meeting of the Association for Research in Vision and Ophthalmology (ARVO), Honolulu, Hawaii, United States; the American Society of Retinal Specialists 36th Annual Meeting, Vancouver, British Columbia, Canada; The 18<sup>th</sup> EURETINA Congress, Vienna, Austria)

**Xu K**, Chin EK, Parke DW III, Almeida DRP. Predictive Factors of Proliferative Vitreoretinopathy after Primary Retinal Detachment Repair. *RETINA: The Journal of Retinal and Vitreous Diseases*. The 17<sup>th</sup> European Society of Retina Specialists Congress 2017, Barcelona, Spain.

**Xu K**, Chin EK, Bennett SR, Williams DF, Ryan EH, Dev S, Mitra RA, Quiram PA, Davies JB, Parke DW, Boldt HC, Almeida DRP. *Predictive Factors for Proliferative Vitreoretinopathy Formation after Uncomplicated Primary Retinal Detachment Repair*. (Accepted to 2017 Retina World Congress (RWC), Fort Lauderdale, Florida, United States and The Canadian Ophthalmological Society (COS) Annual Meeting 2017, Montreal, Quebec, Canada)

**Xu K**, Chin EK, Parke DW III, Almeida DRP. *Epi-retinal Membrane and Cystoid Macular Edema as Predictive Factors of Recurrent Proliferative Vitreoretinopathy*. (Accepted to 2017 Retina World Congress (RWC), Fort Lauderdale, Florida, United States)

**Xu K**, Chin EK, Almeida DRP. *Five-port Combined Limbal and Pars Plana Vitrectomy for Infectious Endophthalmitis*. (Accepted to 2017 Retina World Congress (RWC), Fort Lauderdale, Florida, United States)

**Xu K**, Gupta V, Bae S, Sharma S. *Metamorphopsia and Vision-related Quality of Life among Patients with Age-related Macular Degeneration*. The 16<sup>th</sup> European Society of Retina Specialists Congress 2016, Copenhagen, Denmark.

**Xu K**, Bae S, Gupta V, Sharma S. *Correlations between Subjective Perception of Metamorphopsia and Objective Measurement of Metamorphopsia among People with Age-related Macula Degeneration*. The 16th European Society of Retina Specialists Congress 2016, Copenhagen, Denmark.

**Xu K**, Chin EK, Carpel EF, Almeida DRP. *Bimanual Pars Plana Vitrectomy for Removal of a Dislocated Descemet Stripping Automated Endothelial Keratoplasty Graft From the Vitreous Cavity*. The 34th American Society of Retina Specialists (ASRS) Annual Meeting 2016, San Francisco, California, United States.

**Xu K**, Chin EK, Mahajan VB, Almeida DRP. *Intravitreal Foscarnet with Concurrent Silicone Oil Tamponade for Rhegmatogenous Retinal Detachment Secondary to Viral Retinitis*. The 34th American Society of Retina Specialists (ASRS) Annual Meeting 2016, San Francisco, California, United States.

**Xu K**, Gupta V, Bae S, Sharma S. *Metamorphopsia and Vision-related Quality of Life among Patients with Age-related Macular Degeneration*. The Canadian Ophthalmological Society (COS) Annual Meeting 2016, Ottawa, Ontario, Canada.

**Xu K**, Bae S, Gupta V, Sharma S. *Correlations between Subjective Perception of Metamorphopsia and Objective Measurement of Metamorphopsia among People with Age-related Macula Degeneration*. The Canadian Ophthalmological Society (COS) Annual Meeting 2016, Ottawa, Ontario, Canada.



## **CONFERENCE PRESENTATIONS (continued)**

**Xu K**, Gupta V, Gonder T. *Ischemic Central Retinal Vein Occlusion (CRVO) in a 14-year-old Girl with Factor V Leiden*. The Canadian Ophthalmological Society (COS) Annual Meeting 2016, Ottawa, Ontario, Canada.

Yau GL, **Xu K**, Li C, Sharma S. *Stability of Peripapillary RNFL Thickness in Patients Treated Chronically with Intravitreal Anti-VEGF for Wet Age-related Macular Degeneration*. The Canadian Ophthalmological Society (COS) Annual Meeting 2016, Ottawa, Ontario, Canada.

Kwok J, Campos-Moller X, Masri M, Navajas E, Mandelcorn E, Muni R, Alabduljalil T, **Xu K**, Mak M, Ahmed I. *Visual Outcomes and Complications of Intrasccleral Haptic Fixation of Posterior Chamber Intraocular Lenses Using Fibrin Glue in Complex Eyes: A Canadian Multicenter Retrospective Case Series*. The Canadian Ophthalmological Society (COS) Annual Meeting 2016, Ottawa, Ontario, Canada.

**Xu K**, Gupta V, Bae S, Sharma S. *Metamorphopsia and Vision-related Quality of Life among Patients with Age-related Macular Degeneration*. The 2016 Annual Meeting of the Association for Research in Vision and Ophthalmology (ARVO), Seattle, Washington, United States.

**Xu K**, Gupta V, Bae S, Sharma S. *Metamorphopsia and Vision-related Quality of Life among Patients with Age-related Macular Degeneration*. Pan-American Association of Ophthalmology 2016 Pan-American Research Day, Seattle, Washington, United States.

Bae S, **Xu K**, Gupta V, Sharma S. *Correlations between Subjective Perception of Metamorphopsia and Objective Measurement of Metamorphopsia among People with Age-related Macula Degeneration*. The 2016 Annual Meeting of the Association for Research in Vision and Ophthalmology (ARVO), Seattle, Washington, United States.

**Xu K**, Navajas EV. *Spectral Domain Optical Coherence Tomography (SD-OCT) Guided Facedown Posturing versus 1 Week Facedown Posturing after Idiopathic Full Thickness Macular Hole (FTMH) Surgery*. The Canadian Ophthalmological Society (COS) Annual Meeting 2015, Victoria, British Columbia, Canada.

**Xu K**, Yau GL, Law C, Baxter S, Farmer J, Kratky V, Jinapriya D. *Orbital Cellulitis Causing Secondary Endophthalmitis via a Glaucoma Drainage Device*. The Canadian Ophthalmological Society (COS) Annual Meeting 2015, Victoria, British Columbia, Canada.

**Xu K**, Navajas EV. *Spectral Domain Optical Coherence Tomography (SD-OCT) Guided Facedown Posturing versus 1 Week Facedown Posturing after Idiopathic Full Thickness Macular Hole (FTMH) Surgery*. Pan-American Association of Ophthalmology 2015 Pan-American Research Day, Denver, Colorado, United States.

**Xu K**, Navajas EV. *Spectral Domain Optical Coherence Tomography (SD-OCT) Guided Facedown Posturing versus 1 Week Facedown Posturing after Idiopathic Full Thickness Macular Hole (FTMH) Surgery*. The 2015 Annual Meeting of the Association for Research in Vision and Ophthalmology (ARVO), Denver, Colorado, United States.

**Xu K**, Li C, Tzankova V, Sharma S. *Adverse Effects Following Intravenous Fluorescein Angiography*. The Canadian Ophthalmological Society (COS) Annual Meeting 2014, Halifax, Nova Scotia, Canada.

**Xu K**, Campbell EdLPC, Campbell RJ. *Impact of Fixed Combination Therapies on Beta-blocker Use for Glaucoma*. The Canadian Ophthalmological Society (COS) Annual Meeting 2014, Halifax, Nova Scotia, Canada.

**Xu K**, Trope GE, Thavorn K, Jin YP. *Access To Government-insured Vision Care versus Privatized Dental Care amongst Canadian Adolescents: Is Cost the Sole Barrier?* The Canadian Ophthalmological Society (COS) Annual Meeting 2012, Toronto, Ontario, Canada.

## **CONFERENCE PRESENTATIONS (continued)**

**Xu K**, Trope GE, Thavorn K, Jin YP. *Access To Government-insured Vision Care versus Privatized Dental Care amongst Canadian Adolescents: Is Cost the Sole Barrier?* The 2012 Annual Meeting of the Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, Florida, United States.

Pereira I, Anderson KC, Slatnik MA, Chung E, **Xu K**, Brewer TF. *Are We There Yet? Preparing Canadian Medical Students for Global Health Electives.* The Global Health & Innovation Conference 2012, New Haven, Connecticut, United States.

Anderson KC, Slatnik MA, Pereira I, Chung E, **Xu K**, Brewer TF. *Are We There Yet? Preparing Canadian Medical Students for Global Health Electives.* Canadian Conference on Medical Education 2012, Banff, Alberta, Canada.

**Xu K**, Elston D, Smaill F, Smieja M. *Depression, Anxiety, and Cardiovascular Disease Risk among People Living with HIV/AIDS (PHAs) in the Canadian HIV Vascular Study.* The 20th Annual Canadian Conference on HIV/AIDS Research 2011, Toronto, Ontario, Canada.

**Xu K**, Trope GE, Buncic JR, Jin YP. *Associates with Eye Care Utilization among Canadian Adolescents.* Canadian Society for Clinical Investigation/Clinician Investigators Trainee Association of Canada (CSCI/CITAC) Annual Meeting and Young Investigator Forum 2011, Ottawa, Ontario, Canada.

**Xu K**, Trope GE, Buncic JR, Jin YP. *Inequities in Eye Care Services Utilization among Canadian Youths: Evidence from the Canadian Community Health Survey.* The Canadian Ophthalmological Society (COS) Annual Meeting 2011, Vancouver, British Columbia, Canada.

**Xu K**, Trope GE, Buncic JR, Jin YP. *Inequities in Eye Care Services Utilization among Canadian Youths: Evidence from the Canadian Community Health Survey.* University of Toronto Ophthalmology Research Day 2011, Toronto, Ontario, Canada.

**Xu K**, Trope GE, Buncic JR, Jin YP. *Inequities in Eye Care Services Utilization among Canadian Youths: Evidence from the Canadian Community Health Survey.* The 2011 Annual Meeting of the Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, Florida, United States.

**Xu K**, Elston D, Smaill F, Smieja M. *Factors Associated with Depression and Anxiety amongst HIV-positive Subjects in the Canadian HIV Vascular Study.* 2010 Ontario HIV Treatment Network Research Conference, Toronto, Ontario, Canada.

**Xu K**, Allman D, Myers T, Taleski S, Remis RS. *Seventeen Years Later – Have the Reasons Why Gay and Bisexual Men (MSM) Do Not Test for HIV in Toronto Changed?* 2010 Ontario HIV Treatment Network Research Conference, Toronto, Ontario, Canada.

Allman D, Myers T, **Xu K**, Taleski S. *The Social Technographics of Men Who Have Sex with Men: Implications for HIV Prevention Research, Education and Outreach in Canada.* XVIII International AIDS Conference 2010, Vienna, Austria.

Allman D, Myers T, **Xu K**, Taleski S. *The Social Technographics of Men Who Have Sex with Men: Implications for HIV Prevention Research, Education and Outreach in Canada.* The 19th Annual Canadian Conference on HIV/AIDS Research, Saskatoon 2010, Saskatchewan, Canada.

Bell M, Lineker S, Veinot P, **Xu K**, Badley E. *Getting a Grip on Arthritis: Evaluation of a National Community-Based Educational Intervention to Improve Primary Health Care (PHC) Management of Arthritis: Impact on Patient.* The 6th International Guidelines International Network Conference 2009, Lisbon, Portugal.

**Xu K**, Myers T, Allman D, Remis RS, Calzavara L, Husband W, Maxwell J, Liu J, Paquette D, Archibald C. *How Bisexual Men Differ from Gay Men in HIV, HCV and HIV-HCV Co-infection and Socio-behavioural Characteristics in Two Cross-sectional Studies in Ontario?* The 18th Annual Canadian Conference on HIV/AIDS Research 2009, Vancouver, British Columbia, Canada.

## **CONFERENCE PRESENTATIONS (continued)**

Myers T, Allman D, **Xu K**, Remis R, Calzavara L, Maxwell J, Swantee C, Husbands W, Paquette D, Archibald C. *Who Provides Biologic Specimens for HIV Prevalence Research? Comparison of Provision in Two Cross-sectional Studies of Men Who Have Sex with Men in Ontario*. The 18th Annual Canadian Conference on HIV/AIDS Research 2009, Vancouver, British Columbia, Canada.

Bell M, Lineker S, Veinot P, **Xu K**, Badley E. *Getting a Grip on Arthritis: Evaluation of a National Community-Based Educational Intervention to Improve Primary Health Care (PHC) Management of Arthritis: Impact on Patient*. International Congress on Chronic Disease Self-Management 2008, Melbourne, Australia.

**Xu K**, Myers T, Allman D, Calzavara L. *The Prevalence and Factors Associated with Having Unprotected Anal Intercourse (UAI) with Both Regular and Casual Sex Partners among Men Who Have Sex with Men (MSM) in Ontario*. Ontario HIV Treatment Network Research Conference 2008, Toronto, Ontario, Canada.

**Xu K**, Myers T, Allman D, Calzavara L. *Is Circumcision Associated with HIV Status among Ontario Men Who Have Sex with Men?* Ontario HIV Treatment Network Research Conference 2008, Toronto, Ontario, Canada.

Myers T, Allman D, Calzavara L, **Xu K**. *Asian Men Who Have Sex with Men Living in Canada: How Place of Birth and Immigration Influence HIV Prevention and Accultur*. The 9th International Congress on AIDS in Asia and the Pacific (ICAAP) 2008, Bali, Indonesia.

**Xu K**, Myers T, Allman D, Calzavara L. *Use of Sex Seeking Venues and Serostatus Disclosure among HIV Positive Men Who Have Sex with Men (MSM) in Ontario, Canada*. The XVII International AIDS Conference 2008, Mexico City, Mexico.

**Xu K**, Myers T, Allman D, Calzavara L. *Twelve Years Later – Have Gay and Bisexual Men’s (MSM) Reasons for Not Seeking HIV Testing Changed in Toronto and Ontario, Canada*. The XVII International AIDS Conference 2008, Mexico City, Mexico.

**Xu K**, Myers T, Allman D, Calzavara L. *The Prevalence and Factors Associated with Having Unsafe Sex with Both Regular and Casual Sex Partners among Men Who Have Sex with Men (MSM) in Ontario*. The 17th Annual Canadian Conference on HIV/AIDS Research 2008, Montreal, Quebec, Canada.

**Xu K**, Myers T, Allman D, Calzavara L. *Correlates of Circumcision and Associations with HIV Status among Ontario Men Who Have Sex with Men (MSM)*. The 17th Annual Canadian Conference on HIV/AIDS Research 2008, Montreal, Quebec, Canada.

**Xu K**, Myers T, Allman D, Calzavara L. *Socio-demographic Factors Associated with Circumcision in a Community Sample of Gay and Bisexual Men in Ontario*. The Department of Public Health Sciences Research Day 2008, University of Toronto, Toronto, Ontario, Canada.

Badley EM, Lineker SC, Veinot PL, **Xu K**, Bell MJ. *Evaluation of a National Community-based Educational Intervention to Improve Primary Health Care Management of Arthritis: Impact on Patients*. Canadian Rheumatology association Annual Meeting and Conference 2008, Mont Tremblant, Quebec, Canada.

Badley E, Lineker S, Veinot P, Bell B, **Xu K**, Bell MJ. *Evaluation of a National Community-based Educational Intervention to Improve Health Care Management of Arthritis: Impact of Patients*. The 71st Annual Meeting of the American College of Rheumatology and the 42nd Annual Meeting of the Association of Rheumatology Health Professionals 2007, Boston, Massachusetts, United States.

**Xu K**, Myers T, Allman D, Calzavara L, Remis R, Maxwell J. *The Prevalence and Correlates of HCV Infection and HCV-HIV Co-Infection among a Community Sample of Gay and Bisexual Men*. Ontario Public Health Association Conference 2007, Toronto, Ontario, Canada.

## **CONFERENCE PRESENTATIONS (continued)**

**Xu K**, Myers T, Allman D, Calzavara L. *Socio-demographic Factors Associated with Circumcision in a Community Sample of Gay and Bisexual Men in Ontario*. Ontario HIV Treatment Network Research Conference 2007, Toronto, Ontario, Canada.

**Xu K**, Veinot P, Lineker S, Boyle J, Bell B, Badley E. *Getting a Grip on Arthritis: Impact on Patients*. The University Health Network Annual Research Day 2007, Toronto, Ontario, Canada.

**Xu K**, Veinot P, Lineker S, Boyle J, Bell B, Badley E. *Getting a Grip on Arthritis, a National Community-based Educational Intervention to Improve Primary Health Care Management of Arthritis*. The 7th Toronto Western Research Institute Research Day 2007, Toronto, Ontario, Canada.

**Xu K**, Gignac MAM, Badley EM. *The Determinants of Workplace Activity Limitations (WALS) in People with Arthritis*. The Department of Public Health Sciences Research Day 2007, University of Toronto, Toronto, Ontario, Canada.

**Xu K**, Gignac MAM, Badley EM. *The Determinants of Workplace Activity Limitations (WALS) in People with Arthritis*. The Canadian Arthritis Network Annual Scientific Conference 2006, Winnipeg, Manitoba, Canada.

**Xu K**, Gignac MAM, Badley EM. *The Determinants of Workplace Activity Limitations (WALS) in People with Arthritis*. The University Health Network Research Day 2006, Toronto, Ontario, Canada.

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## **JOURNAL REVIEWER**

Journal of VitreoRetinal Diseases  
Canadian Journal of Ophthalmology  
Clinical Ophthalmology  
Clinical Optometry  
Expert Review of Ophthalmology  
Case Reports in Ophthalmology  
Ophthalmology and Therapy  
BMC Research Notes  
Advances in Therapy  
Diabetes Therapy

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## **WORK EXPERIENCE**

SOUTHEAST RETINA CENTER, Augusta, Georgia, United States  
2021-Current

BANNER-UNIVERSITY MEDICAL CENTER, Tucson, Arizona, United States  
DEPARTMENT OF OPHTHALMOLOGY AND VISUAL SCIENCE, UNIVERSITY OF ARIZONA, Tucson, Arizona,  
United States  
2019- 2021

## **CONFERENCE PRESENTATIONS (continued)**

### *Attending physician*

- Providing diagnosis and treatment for patients with vitreoretinal diseases

## **WORK EXPERIENCE (continued)**

NEW YORK PRESBYTERIAN HOSPITAL, New York City, New York. United States

2017- 2019

### ***Attending physician***

- Delivered eye care to inpatients
- Provided supervision and teaching to residents in clinical care of patients at the hospital

MEMORIAL SLOAN KETTERING CANCER CENTER, New York City, New York. United States

2017- 2019

### ***Attending physician***

- Delivered eye care to inpatients
- Provided supervision and teaching to residents in clinical care of patients at the hospital

HIV/AIDS TREATMENT NETWORK, Toronto, Ontario, Canada

2007 – 2009

### ***Co-investigator***

- Investigated social factors in relation to diagnosis and disease progression.
- Performed literature reviews and developed a research protocol to assess the impact of stressful life events on HIV/AIDS disease progression and the quality of life of patients living with HIV.

CANADIAN ASSOCIATION FOR HIV RESEARCH (CAHR), Toronto, Ontario, Canada

2007 – 2008

### ***Office Assistant***

- Provided administrative support to the Executive Director/CEO for CAHR Board meetings, Annual General Meeting and Annual Conference.

ARTHRITIS COMMUNITY RESEARCH & EVALUATION UNIT, TORONTO WESTERN RESEARCH INSTITUTE,  
Toronto, Ontario, Canada

2006

### ***Research Analyst***

- Performed an extensive evaluation of a national, community-based health professional education intervention program for improving the diagnosis and treatment of arthritis.

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## **ADMINISTRATIVE POSTS**

- 2019 – present Perioperative Services Steering Committee, Banner-University Medical Center, United States
- 2018 – 2019 Senior Vitreoretinal Surgery Fellow, Weill Cornell Medicine, Cornell University, United States
- 2016 Associate Ophthalmologist, ORBIS Flying Eye Hospital, China
- 2015 – 2017 Chief Resident, Department of Ophthalmology, Queen’s University, Canada
- 2015 – 2017 Resident Advisory Committee, Queen’s University, Canada
- 2015 – 2017 Library Representative, Department of Ophthalmology, Queen’s University, Canada
- 2015 – 2017 Program Representative, Council of Canadian Ophthalmology Residents, Canada
- 2015 – 2017 Ambulatory Care Committee, Hotel Dieu Hospital, Canada
- 2014 – 2017 Undergraduate Objective Structured Clinical Examinations (OSCE) Examiner, Queen’s University, Canada
- 2012 – 2017 Resident Program Committee, Department of Ophthalmology, Queen’s University, Canada
- 2010 – 2011 Textbook Selection Committee, Canadian Federation of Medical Students, Canada
- 2010 – 2011 Trainee Conference Advisory Committee, GHEC-CSIH-CUGH Global Health Conference, Canada
- 2010 McMaster Medical Student Research Day Committee, McMaster University, Canada
- 2010 Public Relations Committee, International Women's and Children's Health Conference, McMaster University, Canada
- 2010 DeGroote Interprofessional Health Leadership Conference Committee, McMaster University, Canada
- 2009 – 2010 Interprofessional Student Council, McMaster University, Canada
- 2009 – 2010 McMaster Medical Student Council Integration Committee, McMaster University, Canada
- 2001 – 2003 President, University Student Government, Guangdong Pharmaceutical University, China
- 1999 – 2001 President, University Radio Station, Guangdong Pharmaceutical University, China
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## **ACCOMPLISHMENTS**

- 2016 Acted as an associate ophthalmologist to teach and help improve the clinical and surgical skills of local eye care teams, ORBIS Flying Eye Hospital, China
- 2016 Organized and provided teaching sessions for family medicine residents to increase basic ophthalmic knowledge, Queen’s University, Canada
- 2016 Conducted seminar teaching for ophthalmology residents, Queen’s University, Canada
- 2016 Organized the Department of Ophthalmology Sports Day, Queen’s University, Canada
- 2015 – 2016 Provided teaching and supervision for medical students and junior residents in clinical care of patients, Queen’s University, Canada
- 2015 – 2016 Provided review sessions for residents to prepare for the departmental exams and the Ophthalmic Knowledge Assessment Program (OKAP) exams, Queen’s University, Canada
- 2015 – 2016 Acted as the liaison between eye clinic staff/ faculty and all other residents, Queen’s University, Canada
- 2015 Created call schedule and Grand Rounds schedule for ophthalmology residents, Queen’s University, Canada
- 2013 – 2015 Taught ophthalmology clinical skills to medical students, Queen’s University, Canada
- 2010 – 2011 Reviewed and evaluated medical textbooks and issued recommendations for medical students across Canada, McMaster University, Canada
- 2010 Initiated and designed the Medical Student Elective Inventory with a list of electives from which students

- could select, McMaster University, Canada
- 2010 Organized the “Amazing Race” for medical students, McMaster University, Canada
- 2010 Planned, organized, and promoted the 2010 International Women’s and Children’s Health Conference, the DeGroote Interprofessional Health Leadership Conference, and the 2010 McMaster Medical Student Research Day, McMaster University, Canada
- 2009 – 2010 Provided a point of contact for students to discuss concerns about equity and access to resources and promoted integration among the three medical school campuses, McMaster University, Canada
- 2009 – 2010 Advertised interprofessional education events and conferences among medical students, McMaster University, Canada
- 2002 Earned 2nd Place, Provincial University English Drama Competition, Guangdong, China
- 2001 – 2003 Acted as the official spokesperson for the student body and the presiding officer for the executive cabinet; made recommendations to the university President, Guangdong Pharmaceutical University, China
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## **PROFESSIONAL MEMBERSHIPS / AFFILIATIONS**

- 2017 – Present American Society of Retina Specialists
- 2017 – Present American Academy of Ophthalmology
- 2012 – Present College of Physicians and Surgeons of Ontario
- 2015 – Present American Society of Cataract & Refractive Surgery
- 2010 – Present Association for Research in Vision and Ophthalmology
- 2010 – Present Canadian Ophthalmology Society
- 2009 – Present Canadian Medical Association
- 2009 – Present Ontario Medical Association
- 2009 – 2012 Canadian Federation of Medical Students
- 2008 – 2010 International AIDS Society
- 2008 – 2010 Canadian Association for HIV Research
- 2005 – 2010 Canadian Public Health Association
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## **COURSES**

- 2017 The 8th Annual Massachusetts Eye and Ear Vitrectomy Course, United States
- 2016 Wills Eye Hospital 41st Annual Ophthalmology Review Course, Wills Eye Hospital, United States
- 2016 American Society of Cataract and Refractive Surgery (ASCRS) Young Eye Surgeons (YES) Advanced Cataract Training Program, United States
- 2016 Skills Transfer Course: Anterior Vitrectomy, The Canadian Ophthalmological Society (COS) Annual Meeting 2016, Canada
- 2016 The 12th Annual Rosen Symposium: Glaucoma 2016: Innovations and Excellence in Care & Tech Program, Queen’s University, Canada
- 2015 Bay Area Ophthalmology Course, Stanford University, United States
- 2015 The 42nd Sally Letson Symposium, University of Ottawa, Canada
- 2015 The 11th Annual Rosen Symposium: Neuro-Ophthalmology, Queen’s University, Canada
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2014	The 10th Annual Rosen Symposium: Cornea, Cataract and Refractive Surgery, Queen's University, Canada
2013	The 9th Annual Rosen Symposium: Ophthalmic Plastic Surgery, Queen's University, Canada
2013	Toronto Ophthalmology Residency Introductory Course, University of Toronto, Canada

## **INTERESTS & SKILLS**

### **Athletic Activities**

- Competitive swimmer for university swim team, having participated in provincial swimming competitions
- Actively participate in volleyball, tennis, badminton, table tennis and running
- As an outdoor enthusiast, fond of hiking and camping

## **INTERESTS & SKILLS (continued)**

### **Cultural Activities**

- Former university drama team member
- Passionate follower of opera and Broadway musicals
- Appreciate Chinese art, such as watercolor paintings and calligraphy
- Derive personal satisfaction from nature photography

### **International Travel**

- Avid traveller, having toured countries in five continents
- Enjoy using my experiences to further pursue interests in cuisine and architecture
- Very interested in adventure backpacking in Asia, Europe and South America

### **Music**

- Choir singer
- Bugle player

### **Language**

- Fluent in English, Mandarin and Cantonese (both written and spoken)

### **Technology Skills**

- Proficient in SAS data analysis software
- Experienced in conducting statistical analysis, including linear regression, logistic regression, Poisson regression and survival analysis