



## Glaucoma Research Society of Canada grants \$374,874.03 to 16 Research Projects in 2023:

- Dalhousie University, Halifax, NS  
**Characterization of adeno-associated viral vector promotor-mediated specificity to retinal ganglion cells**  
Aliénor Jamet & Dr. Balwantray C. Chauhan
- Unity Health Toronto, St. Michael's Hospital, Toronto, ON  
**Optic Nerve and CSF Changes in Pseudoexfoliation Glaucoma**  
Dr. Neeru Gupta & Dr. Yeni Yücel
- University of Toronto, Toronto, ON  
**The Prevalence of Glaucoma in Canada: Findings from the Canadian Health Measures Survey**  
Dr. Yaping Jin, Dr. Yvonne Buys & Dr. Ziad Butty
- Memorial University of Newfoundland, St. John's, NL  
**RENEWAL: Identifying downstream druggable targets of the glaucoma associated gene, gmds**  
Dr. Curtis French
- Dalhousie University, Halifax, NS  
**Exploiting Neuroprotective Lipid Mediators in Glaucoma**  
Dr. Melanie Kelly
- University Health Network, Toronto, ON  
**A new role for histamine in optic nerve regeneration**  
Dr. Philippe Monnier
- University of Toronto, Toronto, ON  
**Effects of microinvasive glaucoma surgery on diurnal IOP fluctuations measured using home tonometry**  
Dr. Ike Ahmed, Dr. Matthew B. Schlenker, Dr. Irfan N. Kherani, Dr. Mike Yang, Dr. Anastasiya Vinokurtseva
- Unity Health Toronto, St. Michael's Hospital, Toronto, ON  
**The Impact of Size and Sex on Uveoscleral and Lymphatic Outflow Pathways of the Eye**  
Dr. Yeni Yücel & Dr. Neeru Gupta
- Lawson Health Research Institute, London, ON  
**Impact of Meditation on Improving Quality of Life of Glaucoma Patients: An Electronic Pilot Feasibility Study**  
Dr. Monali Malvankar & Dr. Cindy Hutnik



- Dalhousie University, Halifax, NS  
**Gaze Behavior when Analyzing Visual Fields**  
Rodolfo Bonatti, Dr. Lesya Shuba & Dr. Brennan Eadie
- University of Montreal, Montreal, QC  
**Regeneration of the Trabecular Meshwork via Activation of Native Stem Cells in Glaucoma**  
Dr. Mark Lesk & Dr. Denis Claude Roy
- Lawson Health Research Institute, London, ON  
**High throughput testing of antifibrotic compounds with a 3-dimensional microfluidic perfused Tenon's Capsule model**  
Dr. Cindy Hutnik, Dr. James Armstrong, Dr. Anastasiya Vinokurtseva & Richard Zhang
- Nova Scotia Health Authority, Halifax, NS  
**Physiological Indicators of Anxiety & Visual Field Test Reproducibility**  
Dr. Brennan Eadie & Hailey Burns
- Nova Scotia Health Authority, Halifax, NS  
**Single-Cell Transcriptomic Characterization of Trabecular Meshwork Tissue Obtained In Vivo from Eyes with Primary Open Angle and Pseudoexfoliation**  
Dr. Brennan Eadie, Dr. Changseok Lee & Dr. Emma-Lee Rhyno
- Lawson Health Research Institute, London, ON  
**Impact of Breathing Exercises and Meditation on Reducing Stress and Improving Quality of Life of Glaucoma Patients: An Electronic Pilot Feasibility Study**  
Dr. Monali Malvankar & Dr. Cindy Hutnik
- University Health Network, Toronto, ON  
**Dysphotopsia and Location of Laser Iridotomy: A Systematic Review**  
Michael Balas & Dr. David Mathew