



SUMMIT FOR INNOVATION IN GLAUCOMA MANAGEMENT IN ASIA


HKU Med School of Clinical Medicine
 Department of Ophthalmology
 香港大學眼科學系


KUGLER PUBLICATIONS

Rapid Fire Session – January 10, 2026 (Saturday)

1/F Boardroom, Daniel & Mayce Yu Administration Wing, LKS Faculty of Medicine, HKU

Moderators: Christopher Leung (HKSAR) and Shan Lin (US)

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|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4:20 pm ~ 4:32 pm | Generating Humphrey Visual Field Points Using Machine Learning from Previous and Current Quantitative Spectral-Domain OCT Karim Dirani, Kresge Eye Institute, Wayne State University School of Medicine, US |
| 4:32 pm ~ 4:44 pm | Plasma proteome of glaucomatous retinal nerve fiber layer (RNFL) defect on RNFL optical texture analysis (ROTA): A preliminary study from the UK Biobank Rachel Leung, Department of Ophthalmology, School of Clinical Medicine, HKUMed |
| 4:44 pm ~ 4:56 pm | AlphaFold3-Derived Structural Models of Cell Adhesion and Extracellular Matrix Proteins in Glaucoma-Associated Axonal Damage Yonglin Wu, Department of Ophthalmology, School of Clinical Medicine, HKUMed |
| 4:56 pm ~ 5:08 pm | Pulsatile intraocular pressure as a potential contributor to primary retinal ganglion cell degeneration Qinyu Li, Department of Ophthalmology, School of Clinical Medicine, HKUMed |
| 5:08 pm ~ 5:20 pm | A Microfluidic Trabecular Meshwork-on-a-Chip System Mimicking Aqueous Outflow for Preclinical Glaucoma Research Xiangyu Gao, Department of Ophthalmology, School of Clinical Medicine, HKUMed |
| 5:20 pm ~ 5:32 pm | AISeqROTA: A Deep Learning Model to Detect Progressive Axonal Fiber Bundles Loss in Glaucoma Yawen Guo, Department of Ophthalmology, School of Clinical Medicine, HKUMed |
| 5:32 pm ~ 5:44 pm | Value of ROTA in Evaluating Optic Nerve Damage in Children with Retinopathy of Prematurity Yuhang Yang, Shenzhen Eye Hospital, Shenzhen Eye Medical Center, Southern Medical University, China |