

Singapore & Hong Kong deepen partnership to advance precision eye health

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Expanding collaboration in research, education, and innovation in ophthalmology and visual sciences



The Department of Ophthalmology, Yong Loo Lin School of Medicine, National University of Singapore (NUS Medicine), and the Department of Ophthalmology and Visual Sciences, Faculty of Medicine, The Chinese University of Hong Kong (CUHK) have signed a Memorandum of Understanding (MoU). This marks an important milestone in strengthening academic ties and expanding collaboration in research, education, and innovation in ophthalmology and visual sciences.

The MoU formalises a framework for collaboration across several key areas, including the exchange of scientific and academic information, joint research and development initiatives, staff visits and academic exchanges, as well as the organisation of joint seminars, conferences, and other scholarly activities. The agreement builds on a long-standing relationship between NUS and CUHK, shaped by years of shared work and common ambition to improve eye health outcomes through research-led innovation.

The collaboration is positioned to tackle these issues by pairing CUHK's strengths in ophthalmic genetics and imaging with NUS Medicine's leadership in translational clinical research and epidemiology.

One key challenge highlighted is the development of improved glaucoma screening technologies suitable for community settings, underscoring the importance of cross-institutional innovation to translate research into real-world impact.

The MOU strengthens and expands ongoing joint efforts across multiple areas, reflecting both the breadth of current work and the potential for future breakthroughs. These include collaborations in:

- AI in glaucoma
- Global RETFound initiative
- Oculomics
- Myopia genetics
- Inherited eye disease research
- Stem cell therapy for age-related macular degeneration (AMD)
- AMD genetics