



Centre for Innovation
and Precision Eye Health
Yong Loo Lin School of Medicine



CONTENT

Our Vision and Mission	3
Pillar 1: Population Data Science	4-5
Pillar 2: Community Eye Care	6-7
Pillar 3: Precision Medicine	8-9
Pillar 4: Optometry Education	10-11
Acknowledgements	12-13



VISION

Advancing eye health and preventing vision loss for all

MISSION

We identify and prevent vision loss through data science, digital innovation, and new care models.
We pioneer precision therapeutics for major and inherited eye diseases via genomic approaches.
We nurture next-generation eye healthcare professionals through advanced education and training.

Population Data Science Pillar

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Professor Cheng Ching-Yu

Singapore Epidemiology of Eye
Diseases (SEED) study



Dr. Marcus Tan

NUS Teaching
Enhancement Grant





Geospatial analytics



Our team is dedicated to using big data analytics and deep learning technologies to improve population eye health in Singapore.

We tackle complex problems by integrating clinical, socio-economic, and environmental data to generate effective solutions.

Community Eye Care Pillar

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Dr. Victor Koh

NUS Summit Program in Innovation



Dr. Raymond P. Najjar



Dr. David Chen

NMRC Research Training Fellowship



Accessibility is a major barrier to eye care, especially among the underserved and elderly populations.

We are working towards early detection of chronic eye conditions using smartphones and artificial intelligence.

Our eye pressure is an important indicator of glaucoma control, but is not readily measurable without costly equipment available only at specialist clinics.

With our Home Eye Pressure E-skin Sensor (H.O.P.E.S) patients can now easily access real-time information on their eye pressure.



*H.O.P.E.S
winner of the
prestigious James Dyson award*

Precision Medicine Pillar

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Dr. Chan Hwei Wuen

NMRC
New Investigator Award



Dr. Su Xinyi

NMRC
Clinician Scientist Award




Dr. Wendy Wong

NMRC
Research Training Fellowship





**The
Translational
Retinal Research Lab**



Developing innovative and revolutionary treatments to restore vision is the core of what we do.

We are working on cutting-edge gene and cell based therapies to improve the lives of patients with sight loss from degenerative retinal diseases.

Optometry Education Pillar

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Health



Dr. Tham Yih-Chung

NMRC
Transition Award



Dr. Janice Lam



Dr. Blanche Lim



Singapore is facing an escalating demand for ophthalmic services with the 'silver tsunami' and 'myopia epidemic'. We aim to catalyse a progressive community eye health movement.

Our centre is taking the lead in evolving the delivery of eye care service by crafting evidence-based programmes and educational initiatives to empower optometrists to take on an expanded role in our health landscape.



Administrative Team



Ivy Law



Emily Lin



Olga Lee

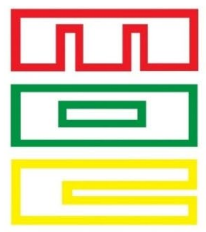


Chang Xiao Min



Shalini

Sponsors



Mandarin Opto-Medic Co Pte Ltd
we are your "ONE SAFE SOURCE"

Seeing beyond



**Population
Data Science**



**Community
Eye Care**



**Precision
Medicine**



**Optometry
Education**

NUHS

National University
Health System



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QR code for
Centre website