

# School Seminar

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## Astigmatism and Its Impacts on Myopia Development in Chicks

- Date : 1 September 2021 (Wednesday)  
Time : 1:00 pm – 2:00 pm  
Mode : ZOOM Online Meeting  
(Link will be sent upon successful registration.)  
CPD Credit Hour : 1 (for Optometrists; non-contact-lens-related) [Code: POLY2101]

### Biography

Dr Kee received his optometry trainings from PolyU and research trainings from City University of New York (MA in Biology/Neuroscience) and University of Houston (PhD in Physiological Optics), United States. Prior to joining PolyU in 2007, he was an assistant professor in New England College of Optometry in Boston, United States. He is currently the Associate Professor and Associate Head (R&D) of School of Optometry, The Hong Kong Polytechnic University. His primary research interest is to understand the mechanism regulating the development of myopia and astigmatism. His research works have been supported by government and industrial grants. In addition to serve as an ophthalmic optics consultant for the Hong Kong Government Accreditation Service, he also co-chairs the Anatomy & Pathology (AP) section of ARVO Annual Meeting Program Committee. Dr Kee has maintained active collaborations with researchers from Asia, Europe, and United States.

### Abstract

Astigmatism, a common refractive error due to unequal meridional refractive powers, is frequently associated with myopia and abnormal visual functions. Although astigmatism frequently co-exists with myopia, it remains largely unknown on whether and how the presence of astigmatism could alter myopia development. This talk will first demonstrate how astigmatism can be induced in animal models in the literature. It will then provide evidence for how the properties of astigmatism, viz. astigmatic magnitude and axis, can alter myopia development in chicken. These results highlight the influential role of astigmatism in early eye growth.

### Enquiry:

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### Online Registration:

<https://polyu.hk/micFV>



### Registration Deadline:

30 August 2021 (Monday)

**Remarks:** The Optometrist Board reserves the final decision on the categorisation of the topic.