



University
of Basel

Department of
Biomedical Engineering



Seminar Series:

Latest Breakthroughs in Biomedical Engineering Research

Location: DBE Science Lounge, Hegenheimermattweg 167C, 4123 Allschwil

Date & Time: Thursday 26.03.2026 | 16:30 – 17:30

Host: Dr. Arsham Hamidi

New Imaging Biomarkers for Ocular Disease

Dr Colin Chu

UCL Institute of Ophthalmology and Moorfields Eye Hospital, London, UK

Abstract

I will outline our current work in developing novel imaging-based biomarkers to manage patients with blinding eye diseases. This spans adaptive optics and OCT-based imaging of immune cells in clinical trials and mouse models, alongside new spatial proteomic technologies to better define the actual biological correlates of retinal imaging features.

Biosketch

Colin is a Wellcome Trust Fellow, a research group leader at UCL Institute of Ophthalmology and a Consultant Ophthalmologist at Moorfields Eye Hospital, London. He undertook his PhD at UCL, was an NIHR Clinical Lecturer at the University of Bristol and a post-doctoral Fulbright Scholar at NIAID at National Institutes of Health in the USA. His research employs cutting-edge imaging technologies to improve our understanding of retinal disorders and the care of patients with inflammatory eye diseases such as Uveitis.

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