

CENTRE FOR EYE AND VISION RESEARCH LIMITED

Centre for Eye and Vision Research Limited (CEVR) is a research collaboration between The Hong Kong Polytechnic University (PolyU) and the University of Waterloo (UW) in Canada. It will be located at the Hong Kong Science Park, New Territories, Hong Kong. It will be the first global hub performing ground-breaking research in five key areas – myopia and eye growth, ocular drug discovery and delivery, vision enhancement, tear film and ocular surface and advanced optometric technology. The mission of CEVR is to generate technologies to prevent vision loss in the aging population and preserve healthy vision.

(1) Postdoctoral Fellow (two posts) (Ref. No.: CEVR-R001)

[Appointment period: each for twelve months initially, with possibility of further appointment]

(2) Research Associate / Research Assistant (two posts) (Ref. No.: CEVR-R002)

[Appointment period: each for twelve months initially, with possibility of further appointment]

Duties

The appointees will assist the project leaders in the multi-disciplinary research project – “Impact of optical defocus, aberration and light exposure on myopia”.

Qualifications

Applicants for the **Postdoctoral Fellow** posts should have a doctoral degree or an equivalent qualification in Optics, Photonic, Optometry, Ophthalmology or other related disciplines, and must have no more than five years of post-qualification experience at the time of application.

Applicants for the **Research Associate** posts should have a master’s degree or a good honours degree with three or more years of research/relevant work experience or an equivalent qualification in one of the said disciplines.

Applicants for the **Research Assistant** posts should have an honours degree or an equivalent qualification in one of the said disciplines.

For all posts, preference will be given to those with one or more of the following requirements:

- (a) knowledge of the optical components of the eye and their changes during normal and abnormal growth;
- (b) the ability to build an optical apparatus and align components;
- (c) the ability to work in a multidisciplinary area – the optical quality of the eye and its changes in myopia;
- (d) knowledge of optics applicable to defining defocus and aberrations;
- (e) the ability to handle experimental animals; and
- (f) the skills of molecular biology.

Preference will be given to those with knowledge of optical quality of the eye and its correction using adaptive optics as well as understanding of the optics of the eye, experience in myopia research or measuring the optical quality of the eye on and away from the optical axis. Preference will also be given to those who are eligible for the Research Talent Hub (RTH-ITF).

The appointees may be required to travel for business purposes, work flexible hours, and may be required to participate in outreach events, conferences, seminars and exhibitions beyond normal office hours.

Applicants are invited to contact Dr Dennis Tse Yan-yin of The Hong Kong Polytechnic University at tel no. 2766 6096 or email dennis.tse@polyu.edu.hk or Prof. Melanie Campbell of the University of Waterloo at tel no. (1) 519 722-6273 or email mcampbel@uwaterloo.ca for further information.

Remuneration

A highly competitive remuneration package will be offered. Applicants should state their current and expected salary in the application.

Revised on 28 June 2021