


# Junior Research Mentoring Programme

<b>Code:</b>	JRMP2021_41
<b>School / Department:</b>	School of Optometry
<b>Name of Research Leader:</b>	Dr Lam Chuen, Associate Professor
<b>Research Topic:</b>	Evaluation of Dry Eye and Ocular Surface Conditions in Hong Kong Teenagers
<b>Short Description of the Research Project:</b>	<p>Dry eye disease (DED) is recognized as a popular and multifactorial disease of the ocular surface. Clinical diagnosis of DED includes a throughout examination of both signs and symptoms but the poor correlation between the subjective feeling and objective clinical finding could be challenging for making an accurate diagnosis. Emerging non-invasive clinical tools in dry eye examination have provided new computerized algorithms in differentiating DED from other ocular surface conditions. As excessive usage of electronic devices is one of the risk factors of DED, this project aims to apply an all-in-one OCULUS Keratograph 5M system to assess and analyze the anterior ocular health and tear fluid stability among teenagers.</p> <p>The students are expected to learn basic ocular anatomy and physiology as well as hands-on operation of clinical instrument. They will work in a group to design experiments, collect, and report clinical data related to the normative values and dry eye population among students in local secondary schools.</p>

# Junior Research Mentoring Programme

	
<p><b>No. of Places Offered:</b></p>	<p>2</p>
<p><b>Special Requirement(s):</b></p>	<p>Preferred subjects taken: All single and Combined Science</p>

\* The information presented above is subject to change.