



# JUNIOR RESEARCHER MENTORING PROGRAMME 2022

<b>Code:</b>	JRMP2022_25
<b>School / Department:</b>	Department of Health Technology and Informatics
<b>Name of Research Leader:</b>	Dr Wong Chi Ming, Assistant Professor
<b>Research Topic:</b>	Developing New Therapeutic Strategies to Combat Metabolic Complication of Obesity
<b>Short Description of the Research Project:</b>	<p>Obesity is increasingly common worldwide. According to the second large-scale health survey conducted by the HKSAR government's Department of Health between December 2014 and August 2016, it revealed that half of Hong Kong people aged between 15 to 84 years are overweight or obese. From the medical point of view, obesity is the leading cause of premature death. Many non-communicable diseases (NODs) are closely related to obesity such as many cardiovascular diseases and cancers. Those NODs impose a huge healthcare burden on our society. Obese people usually have high cholesterol, high blood pressure and diabetes. In our studies, we use diet-induced obese mice and "state of the art" technological platforms to discover and characterize new metabolic hormones and receptors - deciphering their roles in the progression of obesity, diabetes and related metabolic disorders; and explore their potential as novel treatment strategies for these pandemic non-communicable diseases.</p>

<b>No. of Places Offered:</b>	4
<b>Frequency of Meetings:</b>	Bi-weekly
<b>Special Requirement(s):</b>	Preferred subject taken: Biology
<b>Remarks:</b>	Not afraid of mouse

*\* The information presented above is subject to change.*