

Junior Researcher Mentoring Programme

2023

Code:	JRMP2023_25
School / Department:	Department of Health Technology and Informatics
Name of Research Team Member(s):	Dr Wong Chi Ming, Assistant Professor Dr David Cai, Research Assistant Professor Dr Fiona Chan, Assistant Professor
Research Topic:	Developing New Therapeutic Strategies to Combat Metabolic Complication of Obesity
Short Description of the Research Project:	Obesity is increasing 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 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 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 characterise 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.
No. of Places Offered:	4

Frequency of Meetings:	Bi-weekly
Special Requirement(s):	Preferred subject taken: Biology
Remarks:	Not afraid of mouse

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

