



## Dr. Ho KO

**Assistant Professor, Department of Medicine and Therapeutics, and the School of Biomedical Sciences, and Assistant Professor (by courtesy), Department of Psychiatry, Faculty of Medicine, CUHK**

Dr. Ho KO is an assistant professor at the Department of Medicine and Therapeutics, and the School of Biomedical Sciences of the Faculty of Medicine at The Chinese University of Hong Kong (CUHK). He is also a principal investigator at the Li Ka Shing Institute of Health Sciences, associate director of the Margaret K. L. Cheung Research Centre for Management of Parkinsonism, and assistant professor (by courtesy) at the Department of Psychiatry of CUHK. Dr. Ko holds Bachelor of Medicine and Bachelor of Surgery (MBChB), and Bachelor of Medical Sciences (BMedSc) from CUHK.

In between his preclinical and clinical studies, Dr. Ko pursued a PhD in neuroscience under the supervision of Professor Thomas Mrsic-Flogel at the University College London (UCL), where he worked closely with Professor Sonja Hofer and Dr. Lee Cossell to reveal fundamental rules governing the connectivity between neurons with different functional roles in the brain. He won a runner-up award in the 2014 Eppendorf & Science Prize for Neurobiology (with research summary published in *Science*), an international award for early career neuroscientists, based on his PhD works that resulted in publications in *Nature* (four in total, two as first author), *Nature Neuroscience* (co-first author) and the *Journal of Neuroscience* (first author), since 2011. In 2020, his team's research has also been published in *Nature Communications* (corresponding author).

Leading a team with expertise in biology, chemistry and engineering, his current research works focus on three closely related themes: (i) the pathogenesis of neurodegenerative conditions, (ii) neural circuit principles mediating sensory perception and behaviour, and (iii) the development of biomedical imaging tools.

