

**The Chinese University of Hong Kong  
Department of Psychiatry  
Schedule for January, 2024**

<u>Date</u>	<u>Time</u>	<u>Activity</u>	<u>Speaker(s)</u>
Jan4	14:30-16:30	Semi-annual orientation program for SH trainees (SH)#	Dr. Vincent LEUNG, Dr. Wayne TANG, Dr. HB LAM
	14:30-16:30	Introduction Course for New Doctors of TPH/NDH (1AL) #	Dr. YC WONG, Dr. Pat CHAN, Dr. F CHAN, Dr. HM WONG, Dr. Kenneth WONG
Jan11	14:30-16:00	Psychotherapy Case Conference (MUL)# <i>From Bowlby to Bowen - understanding attachment phenomenon within family system and it affects personality development</i>	Dr. Irene KAM
	16:00-17:00	Psychotherapy Supervision (MUL)#	
Jan18	14:30-16:30	Quality Assurance Meeting (SH)#/(TPH)#	
	16:30-17:30	Medical staff forum (MUL)# <i>Clinical application of Analytical Psychology, a case review</i>	Dr. Marshall LEE, Dr. Iris MA
Jan25	14:30-16:00	Academic Lecture* <i>Gut Microbiota Signature in Metabolic and Depressive Disorders: Role of Genes regulated by Sugar, Salt and Fat</i>	<u>Prof. Sookja Kim CHUNG</u> Professor Faculty of Medicine Macau University of Science and Technology

**Registration:**

<https://bit.ly/48bohKA>

Venue:	*Live video #Closed meeting	@Non-CME Event	MUL Seminar Room, Multi-centre, Tai Po Hospital, Tai Po, N.T.	TPH Conference Room 1, G/F, Wing D, Tai Po Hospital, Tai Po, N.T.	SH Dining Room, Ward 7AB, Dept. of Psychiatry, 7/F, Shatin Hospital, Shatin, N.T.	1AL Rm. 1005, Dining Room, Ward 1AL, 1/F, Tai Po Hospital, Tai Po, N.T.
--------	-----------------------------	----------------	---	---	---	---

**Please contact 2607-6025 two days before hand to arrange presentation equipment.**

<http://www.psychiatry.cuhk.edu.hk>

# ACADEMIC LECTURE



**Prof. Sookja Kim Chung**

**Professor**

**Faculty of Medicine**

**Macau University of Science and Technology**

 25 Jan 2024 (THU)

 14:30 - 16:00

 Seminar Room, Multicentre, TPH & Zoom



## Topic: Gut Microbiota Signature in Metabolic and Depressive Disorders: Role of Genes regulated by Sugar, Salt and Fat

### **Abstract:**

Currently, obesity and type 2 diabetes mellitus (diabetes) with their secondary complications contribute to the biggest and serious epidemic, which contribute to premature morbidity and mortality. To improve quality of human lives, there is an urgent need for controlling the over intake of foods with high sugar, salt and fat with the active life style to alleviate obesity, metabolic disorders, and their complications, such as increased risk of depression, cardio- and cerebro-vascular diseases. In 2022, the consumption of salt in the United States amounted to 59 million metric tons. Surprisingly, Chinese residents consume 9.2 grams of salt per day, which is almost double the amount of 5gm/day recommended by World Health Organization (WHO), and what US resident eat on average daily. Moreover, average US residents consume 126gm of sugar per day, which is more than double that of the WHO recommendation (50gm). The intake of sugar has been rising in China. Annually, China consumes about 16 million tones sugar. In addition, an average American eats about 85 pounds of fat per year. With the rise in adapting high-fat Western diet in China, the prevalence of obesity in Chinese children and adults is rapidly increasing. The diet with high levels of added sugar, salt and fat is high in energy and is irresistible from stop eating, leading to obesity, which contribute to insulin resistance, defective insulin sensitivity, and loss of insulin producing cells and diabetes. To understand the role of sugar, salt and fat in the pathogenesis of metabolic and depressive disorders, we have investigated the genes that are involved in sugar, salt and fat metabolism by using the gene targeting, polymorphisms and omics studies. The signatures of gut microbiota and potential therapy against metabolic and depressive disorders will be included in discussion during the lecture.

### **Biography:**

Professor Sookja Kim Chung is currently working at the Faculty of Medicine, Faculty of Innovation Engineering (Associate Program Director of Foundation Core Program), and Dr. Neher's Biophysics Laboratory for Innovative Drug Discovery at the Macau University of Science and Technology (M.U.S.T.), Macau. During the BA degree program, Professor Chung double majored in Biology and Chemistry at the Lewis University, U.S.A. and received Master's degree in Biochemistry in the University of Illinois. She graduated from the University of Illinois, College of Medicine, with a PhD degree in Cell biology and Neuroscience. Then she worked in the Department of Physiology at the Northwestern University Medical Center as a NIH Postdoctoral Fellow, and later worked at The Rockefeller University in New York as the Winston Foundation Fellow. She then moved to The University of Hong Kong (HKU), where she was the coordinator and teacher for MBBS Histology and system block coordinators for Hematology/Immunology and Endocrine blocks. She also served as the coordinator of postgraduate program in the Department of Anatomy, served as a member of medical Faculty Higher Degree Committee for postgraduate program, and trained number of postgraduate students and junior academic staff. As an active researcher, she carried out numerous research projects with the successful funding from HK government and industry partners. She also taught at the Beijing Normal University-Hong Kong Baptist University United International College (UIC) for a year, before joining M.U.S.T. in 2019. Currently, she is the histopathology teacher for Yr. 1 and Yr. 2 MBBS program and coordinate the pathology (biomedical sciences) curriculum. She serves (or served) as an Honorary Professor at Air Force Military Medical University (Neuroscience) in Xi'an, PRC; Korea University College of Medicine (Biomedical Sciences), Korea; Adjunct Professor at UIC; Honorary Professor at Chung-Nam Medical University in Daejeon, South Korea, and School of Biomedical Sciences, HKU. She is currently a member of the State Key Laboratory of Pharmaceutical Biotechnology, HKU.

Registration is required. For enquiries, please contact [pci-event-app@cuhk.edu.hk](mailto:pci-event-app@cuhk.edu.hk) or 26076025.  
Please display the registration name for joining the Zoom lecture.



**REGISTER NOW**