



Dept. of Psychiatry
The Chinese University of
Hong Kong

WPA Collaborating Centre Lecture

Rapid Eye Movement Sleep Behavior Disorder at 30s: Past, Current, and Future



Speaker:

Dr. Yaping LIU
Assistant Professor
Dept. of Psychiatry
CUHK



Chairperson:

Prof. YK WING
Professor & Chairman
Dept. of Psychiatry
CUHK

Date: 28 April 2022 (Thursday)

Time: 14:30 - 16:00

Venue: Online via Zoom

About the lecture:

Rapid eye movement (REM) sleep behavior disorder (RBD) is a distinct parasomnia characterized by repetitive behaviors related to vivid dream contents and the loss of REM atonia (excessively increased electromyography activity during REM sleep). Since Prof. Carlos H. Schenck and his colleagues reported the first series of five human patients with RBD in 1986, this parasomnia has received extensive attention. Accumulating evidence has suggested that RBD is a prodromal stage of alpha-synucleinopathy including Parkinson's disease, dementia with Lewy bodies, and multiple system atrophy, as more than 80% of patients with idiopathic RBD developed alpha-synucleinopathies after 14 years of RBD diagnosed. Over the past 30 year, much effort has been paid on the identifying clinical profiles, developing assessment tools and diagnostic criteria, investigating the pathological mechanisms, determining the conversion rate from RBD to alpha-synucleinopathy, and assess the biomarkers of alpha-synucleinopathy in RBD to delineate the progression of neurodegeneration so as to develop neuroprotective therapy. In this seminar, Dr. Liu will summarize the findings of previous studies on RBD over past 30 years, especially focus on the association between RBD and psychiatric disorders as well as neurodegeneration. Finally, he will discuss future research directions and related challenges.

About the speaker:

Dr. Liu is an Assistant Professor in the Department of Psychiatry, CUHK. He completed his PhD training and 2-year postdoctoral research work at CUHK. He then spent two years as a visiting postdoctoral fellow in the Nuffield Department of Clinical Neurosciences, University of Oxford. His research interests include genetic epidemiology of sleep disorders especially on RBD and biomarker of neurodegenerative diseases in RBD. His previous research work has been published in *Annals of Neurology*, *Neurology*, *Movement Disorders* etc. He also serves as PI for several government and CUHK-sponsored research projects on RBD and neurodegeneration.

Free Registration:

Registration is required. For enquiries, please contact cherylleung@cuhk.edu.hk or +852 26076025.

Please visit <https://bit.ly/3KkK1Yb> or scan QR code.

