

Dialogue Series: UTokyo-Cambridge Voices
**Workshop on the future of therapeutic development against
neurodegenerative diseases**

Supported by the strategic partnerships project

Nov 18th, 2020 Online (Zoom)

Programme

Liquid-Liquid phase separation and neurodegeneration

8:00–8:25 GMT (17:00-17:25 JST)

Dr. Peter St. George-Hyslop (CIMR)

“Physiological and pathological protein phase separation in neurons”

8:25-8:50 GMT (17:25-17:50 JST)

Dr. Tadafumi Hashimoto (UT)

“Neurotoxicity and interneuronal transmission of FUS protein”

Mechanism of propagation of protein aggregates

8:50-9:15 GMT (17:50-18:15 JST)

Dr. Michel Goedert (LMB)

“Cryo-EM structures of amyloid filaments from human brain”

9:15-9:40 GMT (18:15-18:40 JST)

Dr. Airi Tarutani (UT)

“Template-dependent amplification of tau aggregates in cultured cells”

9:40-10:00 GMT (18:40-19:00 JST)

Coffee break

New therapeutics against neurodegenerative diseases

10:00-10:25 GMT (19:00-19:25 JST)

Dr. Kunimichi Suzuki (LMB)

“Building a new bridge across the synaptic cleft”

10:25-10:50 GMT (19:25-19:50 JST)

Dr. Yukiko Hori (UT)

“Development of photooxygenation technology towards therapeutic strategy against Alzheimer disease”

Introduction

Neurodegenerative diseases such as dementia have become one of the major social problems. Various studies have revealed that abnormal protein aggregation and deposition in the brain link to the etiology of many neurodegenerative diseases. However, we have yet to develop preventive and therapeutic strategies for these diseases, and further research is required.

Under the strategic partnerships project, Graduate School of Pharmaceutical Sciences at the University of Tokyo and Cambridge Institute for Medical Research as well as The MRC Laboratory of Molecular Biology have supported joint research and educational projects from 2014.

Due to COVID-19, for the first time, we are hosting an international workshop online. In this workshop, we will discuss new concepts in the pathogenesis of neurodegenerative diseases and the future of therapeutic approaches to neurodegenerative diseases, with lectures by leading researchers at the forefront of research on neurodegenerative diseases.

Taisuke Tomita, Ph.D.

Professor, Graduate School of Pharmaceutical Sciences, The University of Tokyo

Peter St. George-Hyslop, M.D., Ph.D. OC, FRS, FRSC, FRCPC.

Professor, Cambridge Institute for Medical Research, University of Cambridge

Registration

Free for charge (Register by November 15th, 2020)

Person with UTokyo Account

Not affiliated with the University of Tokyo

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