

2020 年度 第 3 回 生命科学技術国際卓越講義



World-leading Innovative Lectures
in Life Science & Technology
The University of Tokyo



Maladaptive microglial response in tauopathy

Prof. Li Gan

Director, Helen and Robert Appel Alzheimer's Disease Research Institute
at Weill Cornell Medicine,

Professor, Burton P. and Judith B. Resnick Distinguished in Neurodegenerative Diseases

Date: Tuesday, 8th, December, 2020
Time: AM 9:00 ~ AM 10:30
Venue: Zoom (will be sent after registering)
Participants: Up to 500 participants

Please register by this QR code or clicking the following link.



[Registration form
\(UTokyo\)](#)



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Abstract: The fast progress in human genetics reveals common molecular mechanisms in aging-related neurodegenerative diseases, such as Alzheimer's disease(AD) and Frontotemporal

Dementia (FTD). I will focus the discussion on two converging pathways linking AD and FTD, including innate immunity and proteostasis. In human iPSC and mouse models of disease, our research employs a combination of in vitro and in vivo approaches, such as genomic and proteomic approaches, electrophysiology, and behavioral tests. I will discuss our recent work on identification of key pathways in microglia-mediated neuronal injury and novel mechanisms regulating homeostasis of tau, a key pathogen in AD and FTD. I will also discuss how sex might modify dysregulated innate immune response in tau-mediated neurodegeneration.

Organizer: World-leading Innovative Graduate Study Program for Life Science and Technology
Cooperation: Graduate Program for Leaders in Life Innovation, The University of Tokyo

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