

JCC RESEARCH SEMINAR

TOPIC

Probing synapse-astrocyte interactions:
new roles for familiar molecules

Prof. Yukiko Goda

Professor

Synapse Biology Unit

Okinawa Institute of Science and Technology Graduate University

HONG KONG TIME

11 March 2024 (MON)

11:00 am - 12:00 nn

Online Via ZOOM

ABSTRACT

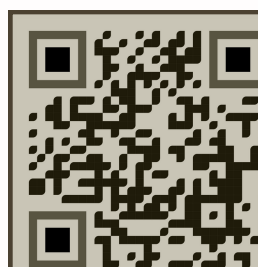
The dynamic features of synaptic connections that are crucial for information processing in the brain involve not only neurons but interactions with the astrocyte network. We have sought to clarify the cellular organization and the molecular basis that shape tripartite synapses in the mouse hippocampus by focusing on the one hand on cell adhesion proteins and on the other hand on diffusible signaling. Our recent findings will be presented.

SPEAKER'S BIOGRAPHY



Prof. Yukiko Goda heads Synapse Biology Unit at Okinawa Institute of Science and Technology Graduate University. She received her BSc from the University of Toronto and PhD from Stanford University. After a postdoc at the Salk Institute, she joined the faculty of Biology Division, UC San Diego in 1997. She then moved to the UK in 2002 as a Senior Group Leader in the MRC Laboratory for Molecular Cell Biology at UCL, and from 2011 to 2022, she was a team leader at RIKEN Brain Science Institute/Center for Brain Science.

Prof. Goda's research interests focus on synapses and astrocytes. Her laboratory investigates the cellular principles by which synaptic strengths are set and dynamically modified in defined neural circuits that are consequential to supporting particular behaviors.



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