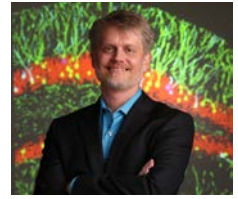


令和元年 8 月 8 日
August 8, 2019

研究者・大学院学生各位
To All Staff and Graduate Students



令和元年度
基盤医学特論開催のお知らせ
Information on Special Lecture TOKURON2016

Title: Charting the Molecular Landscape of Diverse Synapses In Vivo

Lecture: Prof. Dr. Scott H. Soderling

Professor and Chair of Cell Biology & Professor of Neurobiology
Duke University Medical Center, USA

日時: 令和 元年 9 月 1 0 日 (火) 1 7 : 0 0 - 1 8 : 3 0
Date: September 10, 2019, 17:00 - 18:30

場所: 医系研究棟 3 号館 3 階 会議室
Room: Conference Room, 3F, Medical Science Research Building 3

使用言語: 英語 (English)

Abstract

Over the past three decades, purification and analysis of protein complexes at the excitatory postsynapse has led to fundamental insights in neurobiology. These insights include how receptor trafficking, synaptic adhesion, cytoskeletal remodeling, and protein phosphorylation contribute to the synaptic plasticity underlying learning and memory. Moreover, genetic perturbations of excitatory postsynaptic proteins are now known to contribute to developmental brain disorders and psychiatric conditions.

In contrast to the well-studied excitatory synapse, biochemical purification and analysis of other neuronal structures, such as immature synapses or the inhibitory postsynaptic specialization, has remained largely intractable. We have developed a chemico-genetic proteomic approach to resolve the molecular composition of diverse synapses as they exist *in vivo*. Results from several previously unexplored proteomes and the analysis of several novel synaptic proteins will be discussed, including the implications of how these proteins may contribute to multiple brain disorders.

このセミナーは基盤医学特論として開講されます。

This Seminar is a Special Lecture Tokuron.

関係講座・部門等の連絡担当者: 神経情報薬理学 貝淵弘三 (内線 2076)

Contact: Kozo Kaibuchi, Department of Cell Pharmacology (2076)

[注意]事前連絡は不要です。

Notice: No registration required.

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学部学務課大学院掛
Student Affairs Division, School of Medicine