

The 42nd Global and Local Infectious Diseases Research Seminar



February 2nd , 2026
16:00-17:00

FREE
REGISTRATION ►

<https://forms.gle/TMQc9bTXxmf6q9Z7>



Presenter : Sei Yoshida

Professor, Nankai University, Tianjin, China

Venue: OITA Univ. RCGLID Meeting Room & Teams

This seminar will be held in English.

**Macropinocytosis, Circular Dorsal Ruffles (CDRs), and
Circular Actin Pillars (CLAPs)**

Since my thesis project for my graduation, I have studied the molecular mechanisms and physiological relevance of macropinocytosis, a large-scale endocytic process, in the context of human health and disease. Recently, my lab made an exciting discovery in macropinocytosis research: mouse embryonic fibroblasts (MEFs), podocytes (kidney epithelial cells), and certain cancer cells exhibit a unique form of macropinocytosis called circular dorsal ruffles (CDRs) when stimulated by growth factors (JCS 2018; CCS 202; JCP 2023; CCS 2025; CSF 2026). Even more excitingly, our current project identified novel actin structures that we named "circular actin pillars (CLAPs)" as the basis of the CDRs structure (revised). In this seminar, I will first introduce the background of macropinocytosis research and provide an overview of our recent CDRs studies. Then, I will present our new finding: CLAPs.

Manager Hitomi Mimuro

(Professor, Research Center for Glocal and Local Infectious Diseases)

Seminar Contact

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