

41st CeSPI Seminar GTR Seminar

Date : Oct. 18th (Fri), 2024 13:00-14:30

**Place : Lecture room(205) on 2nd floor,
Pharmaceutical Sciences Building &
Online(Zoom)**

Lecturer :Masakatsu Watanabe, Ph.D.

**Graduate School of Frontier Biosciences,
Osaka University**

“Molecular mechanism of pattern formation”

Patterns are repeating structures with equal spacing and are fundamental to the development of living organisms. The process of pattern formation involves the formation of cell populations, the specification of population size, and the establishment of boundaries between these cell populations, where cell-cell interactions play a crucial role. The stripe pattern observed on the surface of zebrafish is considered a model case for studying pattern formation. These stripes are composed of black pigment cells (melanophores) and yellow pigment cells (xanthophores). Many membrane proteins are involved in the interactions between pigment cells, with gap junctions playing a particularly important role. In this presentation, I will introduce the factors involved in pattern formation, with a focus on the role of gap junctions.

A credit for “Specific Lecture for Advanced Pharmaceutical Sciences” is approved by attending this seminar.



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to register**

**Contact: Atsunori Oshima
Cellular and Structural Physiology Institute
(CeSPI)
atsu@cespi.nagoya-u.ac.jp 052-747-6837**

