

The 2nd International Symposium

on Cellular Ethological Dynamics in Diorama Environments

2026
3.13 THU
13:00 - 18:30

Hall 8A, 8th Floor,
TKP Garden City PREMIUM
Sendai Nishiguchi
(3-minute walk from JR Sendai Station)
<https://www.kashikaigishitsu.net/facilitys/gcp-sendai-nishiguchi/access/>



▶ 13:00 - 13:10 Opening Remark, Toshiyuki NAKAGAKI (Hokkaido Univ.)

Session1

Tactic Movement in complex environments
Chair : Y. Nishiyama (Saitama Univ.)

▶ 13:15 - 13:45 Kogiku SHIBA (Tsukuba Univ.), Makoto IIMA (Hiroshima Univ.)
“How Ascidian Sperm Navigate Toward Eggs Using Chemical Gradients:
Integrating Experiments and Mathematical Models”

▶ 13:45 - 14:15 Tomoyuki SHIKATA (Japan Fisheries Research and Education Agency)
“Analysis of diurnal vertical migration improves techniques for mitigating
red tide damage”

Session2

Plenary Lecture
Chair : K. Inaba (Tsukuba Univ.)

▶ 14:30 - 15:30 Kirsty Wan (Univ. of Exeter)
“Evolutionary and physical perspectives on microscale motility”

Session3

Cilia and Pseudopods in Vertebrates
Chair : K. Kikuchi (Tohoku Univ.)

▶ 16:00 - 16:30 Kyosuke SHINOHARA (Tokyo Univ. of Agriculture and Technology)
“Extracellular and intracellular environmental issues of the multiciliated cell
in the mouse airway”

▶ 16:30 - 17:00 Kei SUGIHARA (Kyushu Univ.)
“Exploring topography-driven cellular ethology across multicellular systems”

Session4

Protist Behavior and Beyond
Chair : K. Ishimoto (Kyoto Univ.)

▶ 17:15 - 17:45 Haruka TAKAGI (The Univ. of Tokyo)
“The reason why “sand-like” protists can be a plankton: Experimental
investigation and theoretical consideration”

▶ 17:45 - 18:15 Takaaki AOKI (Shiga Univ.)
“A Toy Model for Simulating Emergent Patterns of Cities and Roads on
Real-World Landscapes: From Ancient Roman Cities to Hokkaido in 2300”

▶ 18:20 - 18:25 Closing Remark, Takuji ISHIKAWA (Tohoku Univ.)