

Workshop for Biosphere Well-being: An Exploration of Joint Education and Research

September 29(Tue.) – 30(Wed.), 2026

Conference Center Meeting Room 1
Okinawa Institute of Science and Technology

September 29 (Tue.) 9:30-17:00

Session1: OIST - Tohoku University Interdisciplinary Collaboration

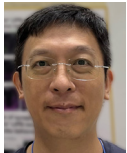
Session2: Fish Behavior and International Collaboration



14:00-14:40

Makoto Hiroi (OIST)

“Quantitative Analysis of Behavioral Determinants of Female Mate Choice in Medaka”



14:40-15:20

Ming-Yi Chou (National Taiwan University)

“The Neural Circuit for Fish Aggressive Behaviors”



15:40-16:20

Tomoko Soga (Monash University Malaysia)

“The Social Brain in Fish: Insights from Tilapia Neurobiology and Social Behavior”



16:20-17:00

Kuo-Hua Huang (Academia Sinica)

“Integration of Social and Depth Information during Affiliative Behavior in Zebrafish”

September 30 (Wed.) 9:30-11:30

Session3: Ecology, Evolution, and Neuroscience



10:30-11:10

Yoko Yazaki-Sugiyama (OIST)

“Altering the Impacts of Social Interactions across Developmental Song Learning”



OIST



J-PEAKS

Co-organized by: Okinawa Institute of Science and Technology
Graduate School of Life Sciences, Tohoku University
Contact: stephens-unit-admin@oist.jp

Workshop for Biosphere Well-being: An Exploration of Joint Education and Research

Researchers from neuroscience, animal behavior, plant science, and ecology will meet to explore the concept of biosphere well-being. This two-day workshop will foster interdisciplinary collaboration and develop frameworks for joint education and research between OIST and Tohoku University, while also expanding international partnerships.

Conference Center Meeting Room 1, OIST

September 29 (Tue.)

Session 1: OIST–Tohoku University Interdisciplinary Collaboration

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| 9:30-9:35 | Opening Remarks | Greg J. Stephens (OIST) |
| 9:35-9:45 | Biosphere Well-being: A Joint Graduate Program under Preparation at TU | Hideaki Takeuchi (Tohoku University) |
| 9:45-10:15 | Neuroscience Research at TU | Towako Hiraki-Kajiyama (Tohoku University) |
| 10:15-10:45 | One World, One Health: The OIST COI-NEXT Project | Yasunobu Tanaka (OIST) |
| (10:45-11:00 Coffee Break) | | |
| 11:00-11:30 | Ecology Research at TU | Jamie M. Kass (Tohoku University) |
| 11:30-12:00 | Plant Science Research at TU | Shusei Sato (Tohoku University) |
| (12:00-14:00 Lunch Break) | | |

Session 2: Fish Behavior and International Collaboration

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| 14:00-14:40 | “Quantitative Analysis of Behavioral Determinants of Female Mate Choice in Medaka” | Makoto Hiroi (OIST) |
| 14:40-15:20 | “The Neural Circuit for Fish Aggressive Behaviors” | Ming-Yi Chou (National Taiwan University) |
| (15:20-15:40 Coffee Break) | | |
| 15:40-16:20 | “The Social Brain in Fish: Insights from Tilapia Neurobiology and Social Behavior”
<i>Live Online Lecture</i> | Tomoko Soga (Monash University Malaysia) |
| 16:20-17:00 | “Integration of Social and Depth Information during Affiliative Behavior in Zebrafish” | Kuo-Hua Huang (Academia Sinica) |

September 30 (Wed.)

Session 3: Ecology, Evolution, and Neuroscience

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|-------------|--|--------------------------------------|
| 9:30-9:50 | “How Much Can/Should We Take? Agent-based Simulation of Tuna and Tumor” | Watal M. Iwasaki (Tohoku University) |
| 9:50-10:10 | “Evaluating Plant Species Coexistence under Multiple Biological Interactions” | Naoto Shinohara (OIST) |
| 10:10-10:30 | “Soil Microbial Communities as Key Drivers of Ecosystem Processes” | Chikae Tatsumi (OIST) |
| 10:30-11:10 | “Altering the Impacts of Social Interactions across Developmental Song Learning” | Yoko Yazaki-Sugiyama (OIST) |
| 11:10-11:30 | General Discussion & Closing Remarks | Greg J. Stephens (OIST) |

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