

1st JAMBIO International Symposium

“Marine Biology - Cell and Evolution”

Feb 25-26, 2013, Tokyo Campus, University of Tsukuba

February 25th Monday

13:00-13:05

Opening address

-Cell-

13:05-13:30

Taizo Motomura (Hokkaido University)

Fertilization of brown algae: Organelle inheritance and heterogeneous two flagella of gametes

13:30-13:55

Kazuo Inaba (University of Tsukuba)

Diversity of ciliary structure and function in marine invertebrates

13:55-14:20

Mayu Obata (Mie University)

A specialized function of sperm mitochondria in male germ cells in the blue mussel, *Mytilus galloprovincialis*

14:20-14:50

Luigia Santella (Stazione Zoologica Anton Dohrn of Naples, Italy)

Actin cytoskeleton and fertilization in starfish eggs

14:50-15:00

Break

15:00-15:30

Janet Chenevert (Villefranche-sur-Mer, France)

Spindle positioning and microtubule-cortex interactions in early embryos of ascidian and sea urchin

15:30-15:55

Miwa Tamura-Nakano (Ochanomizu Women's University)

MAPK-Rsk pathway regulates the paternal inheritance of centrosomes in starfish zygotes

15:55-16:20

Kazunori Tachibana (Tokyo Institute of Technology)

Cell cycle control in starfish oocytes, eggs and embryos

16:20-16:30

Break

-Evolution-

16:30-17:00

Christopher J. Lowe (Hopkins Marine Station, Stanford University, USA)

The role of FGF signaling in the evolution of bilaterian mesoderm induction: insights from hemichordates.

17:00-17:25

Mariko Kondo (University of Tokyo)

Genomic and regeneration studies on the crinoid, *Oxycomanthus japonicus*

17:25-17:55

Thomas Stach (Humboldt-Universität zu Berlin, Germany)

Homology: why, where, when, and how?

18:30-20:30 Banquet

Bunkyo Sky Hall, Bunkyo Civic Center 26th floor

(1 minute from Korakuen station, Subway Marunouchi Line)

February 26th Tuesday

9:00-9:25

Yuji Ise (University of Tokyo)

Diversity, molecular phylogeny, and evolution of excavating sponges

9:25-9:50

Saki Harii (University of Ryukyu)

Establishment of coral-algal symbiosis: symbiont genetic diversity in juveniles of scleractinian corals

9:50-10:15

Hiroaki Nakano (University of Tsukuba)

Development of *Xenoturbella* and the evolution of metazoan larvae

10:15-10:40

Takeo Horie (University of Tsukuba)

Ependymal cells of chordate larvae are stem-like cells that form the adult nervous system

10:40-10:50

Break

10:50-11:20

Eric Thompson (SARS Center, Norway)

Managing a rapid chordate life cycle through manipulation of cell cycle variants

11:20-11:45

Akira Asakura (Kyoto University)

Diversity and evolution of mating and social systems in crustaceans

11:45-12:10

Mutsumi Nishida (University of Tokyo)

Molecular phylogeny and evolution of ray-finned fishes

12:10-12:15

Closing Remarks