

In-Person Meeting

Saturday, November 26

9:00am – 9:30am Venue Opening & Poster Setup

9:30am – 11:30am

Poster Session 1

PA. Award for Best Article Candidates 【01 to 22】

PB. Others: In-Person Presentation Required 【01 to 17】

▶Core Time 【Last 2 Digits】

9:30am – 10:30am 【Odd Numbers】

10:30am – 11:30am 【Even Numbers】

11:30am – 12:55pm Break

12:55pm – 1:00pm Opening Remarks

1:00pm – 3:30pm

Symposium 1

Environmental Adaptation of Animals: The Physiological and Biochemical Basis

動物の環境適応を支える生理・生化学的基盤

Organizers: MURATA Yoshihiro (*Department of Physiology, Kochi Medical School*)

HATAKEYAMA Dai (*Tokushima Bunri University Faculty of Pharmaceutical Sciences*)

The symposium is co-hosted by JSCP2022 LOC and Tosa Seibutsu Gakkai (Kochi Society of Biology).

S1-1 Photosensory system of the terrestrial slug *Limax*

ナメクジにおける光感知機構

MATSUO Ryota

International College of Arts and Sciences, Fukuoka Women's University

S1-2 Study on genome function involved in insect development and evolution using crickets as a model

コオロギをモデルとした昆虫の発生・進化に関わるゲノム機能の研究

MITO Taro

Bio-Innovation Research Center, Tokushima University

- S1-3** Cryptobiosis in *Colpoda*
コルポーダにおけるクリプトビオシス
ARIKAWA Mikihiko
Department of Biological Sciences, Faculty of Science and Technology, Kochi University
- S1-4** Intervention in the mechanisms of muscle regeneration to prevent and treat skeletal muscle disorders
筋再生機構への積極的介入による骨格筋障害の治療と予防
TODAKA Hiroshi
Department of Cardiovascular Control, Kochi Medical School
- S1-5** Counterattack behaviours in nest-weaving spider mites (Acari: Tetranychidae)
造巢性ハダニの反撃行動を探る
ITO Katsura
Faculty of Agriculture and Marine Science, Kochi University
- S1-6** The microbiomes mangrove crab intestine and habitat soil cooperatively work on material flow in the ecosystem
マングローブクラブ腸内と生息土壌は協調的に生態系の物質循環にはたらく
ADACHI Kohsuke
Faculty of Agriculture and Marine Science, Kochi University

3:30pm – 4:00pm Break & Poster Replacement

4:00pm – 6:00pm

Symposium 2

Systems Design Theory Learned from Living Organisms

生物から学ぶシステム設計論

Organizer: OHASHI Hirono (*Osaka University*)

- S2-1** Biohybrid robotics powered by cultured skeletal muscle tissue
培養骨格筋組織で動くバイオハイブリッドロボティクス
MORIMOTO Yuya
Graduate school of Information Science and Technology, the University of Tokyo

- S2-2** Challenges of reproducing vertebrate motor control systems *in vitro*
脊椎動物の運動制御システムを *in vitro* で再現するチャレンジ
FURUSAWA Kazuya¹, TERAMAE Ryo², OHASHI Hirono², SHIMIZU Masahiro²
¹*Department of Applied Chemistry and Food Science, Fukui University of Technology*
²*Department of System Innovation, Osaka University*
- S2-3** Structure and function of the nuchal ligament in the head and neck of artiodactyls
偶蹄類の頭頸部に備わる項靭帯の構造と機能
GUNJI Megu
Department of Life Sciences, Faculty of Life Sciences, Toyo University
- S2-4** Toward understanding functionality of flexible shoulder in cursorial quadrupeds
四脚動物の柔軟な肩の運動機能の理解に向けて
FUKUHARA Akira
Research Institute of Electrical Communication, Tohoku University
- S2-5** Adaptation to efficient underwater swimming in penguins
ペンギンの効率的な水中遊泳への適応
TANAKA Hiroto
Tokyo Institute of Technology

6:00pm – 6:10pm **Picture Taking**

7:00pm **Venue Closing**