

Computational and Physical Understanding of Biological Information Processing

➤ 2025.03.05 - 2025.03.09

Organizers

Tetsuya J. Kobayashi (The University of Tokyo)

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Schedule:

March 5 : Arrival Day

March 6 : Scientific Sessions

March 7 : Scientific Sessions

March 8 : AM: Scientific Sessions | PM: Poster Session and Discussion

March 9 : Excursion

Abstract:

The notion of information and its processing is essential for understanding a wide range of biological systems that behave adaptively in an unpredictably changing world with different time scales. Nonetheless, the concepts, methodologies, and theories developed for respective fields such as neuroscience, evolutionary biology, ecology, and biophysics, are dispersed in each community, and the communications between them are still limited. This symposium aims at establishing a new research field of biological information processing that enables us to integratively and coherently understand a wide range of intelligence functions in various biological phenomena by providing a place to share visions and exchange knowledge and best practices of these fields.