

2025 NCTS



NCTS
National Center for Theoretical Sciences

Workshop on Mathematics of Living Systems

Date:

2025/05/22-23

Venue:

5/22-R515 Cosmology Bldg., NCTS

5/23-Lecture Room B, 4th Floor, The 3rd General Bldg., NTHU

Aim & Scope

The workshop will survey recent advances in mathematical modeling, analysis, and computation applied to complex phenomena in living systems. Topics of interest include, but are not limited to:

- Fluid dynamics and mechanics of biological systems
- Mathematical modeling of cell physiology and electrophysiology
- Active matter and collective behavior in living organisms
- Pattern formation and self-organization in biological systems
- Computational methods and simulations for intricate biological processes

The event will provide a great opportunity for local and international researchers to interact, exchange ideas, and foster collaborations in this interdisciplinary field.

Invited Speakers:

Khagendra Adhikari
Ching-Yu Chen
Chia-Chieh Jay Chu
Tetsuya Hiraiwa
Tzyy-Leng Horng
Jhih-Hong Lyu
Yoichiro Mori
Je-Chiang Tsai
Yuan-Nan Young

Tribhuvan University
National University of Kaohsiung
National Tsing Hua University
Academia Sinica
Feng Chia University
National Taiwan University
University of Pennsylvania
National Tsing Hua University
New Jersey Institute of Technology

Organizers:

Chiun-Chang Lee
Tai-Chia Lin
Min-Jhe Lu

National Tsing Hua University
National Taiwan University
National Tsing Hua University



Contact:

Peggy Lee (peggylee@ncts.tw)
Vickey Sun (vickeysun@ncts.tw)