

CLS2025
COMPLEXITY IN
LIVING SYSTEMS
STATPHYS29 SATELLITE MEETING
PALERMO (ITALY)
JULY 9-12 2025



COMPLEXITY IN LIVING SYSTEMS (CLS2025)

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SCIENTIFIC COMMITTEE

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Salvatore Micciché (UniPa)
Bernardo Spagnolo (UniPa)
Davide Valenti (UniPa)

DATES

July 9-12, 2025

VENUE

Palermo, Dipartimento di Scienze e Tecnologie
Biologiche, Chimiche e Farmaceutiche,
Edificio 17, Aula C, Viale delle Scienze

TOPICS

- ✓ **Statistical Mechanics & Complex Systems** – Emergent behaviors, nonequilibrium phenomena, phase transitions, and population dynamics in biological and social systems.
- ✓ **Information Theory, Machine Learning & Computational Approaches** – Modeling frameworks, information flow, AI and data-driven models for complex systems.
- ✓ **Genomic regulation** – Collective behavior and evolutionary dynamics.
- ✓ **Interdisciplinary Perspectives** – Bridging statistical physics with neuroscience, computational biology, and social sciences.



<https://cls2025.sciencesconf.org>



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