



# Fourth International Summer Institute on Network Physiology (ISINP)

Lake Como School of Advanced Studies, 27 July – 01 August 2025

website: <https://isinp.github.io/isinp-4/>

## Summer Highlights

*The human organism is an integrated network where complex physiologic systems, each with its own regulatory mechanisms, continuously interact, and where failure of one system can trigger of the entire network.*



Professor Plamen Ch. Ivanov directed the Fourth International Summer Institute on Network Physiology (ISINP 2025) at the Lake Como School for Advanced Studies, Italy. Attended by 86 participants from 18 countries, the event laid the foundations of a new interdisciplinary field at the interface of physics, data science, biomedical engineering, physiology and medicine to understand health and disease through dynamic and adaptive networks of systems and organs interactions. Originated from research at the BU Keck Laboratory for Network Physiology, and supported by the W. M. Keck Foundation, Alessandro Volta Foundation and Frontiers Media S.A., the event was organized by dedicated committee members: Research Associate Dr. Yaopeng Ma (Boston University, USA); Mariagiovanna Falasconi and Alberto Marzorati (Fondazione Alessandro Volta and Lake Como School for Advanced Studies, Como, Italy).

