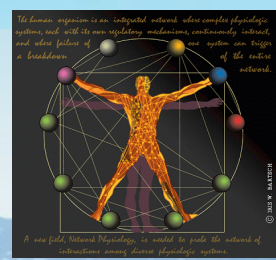




First International Summer Institute on Network Physiology (ISINP)

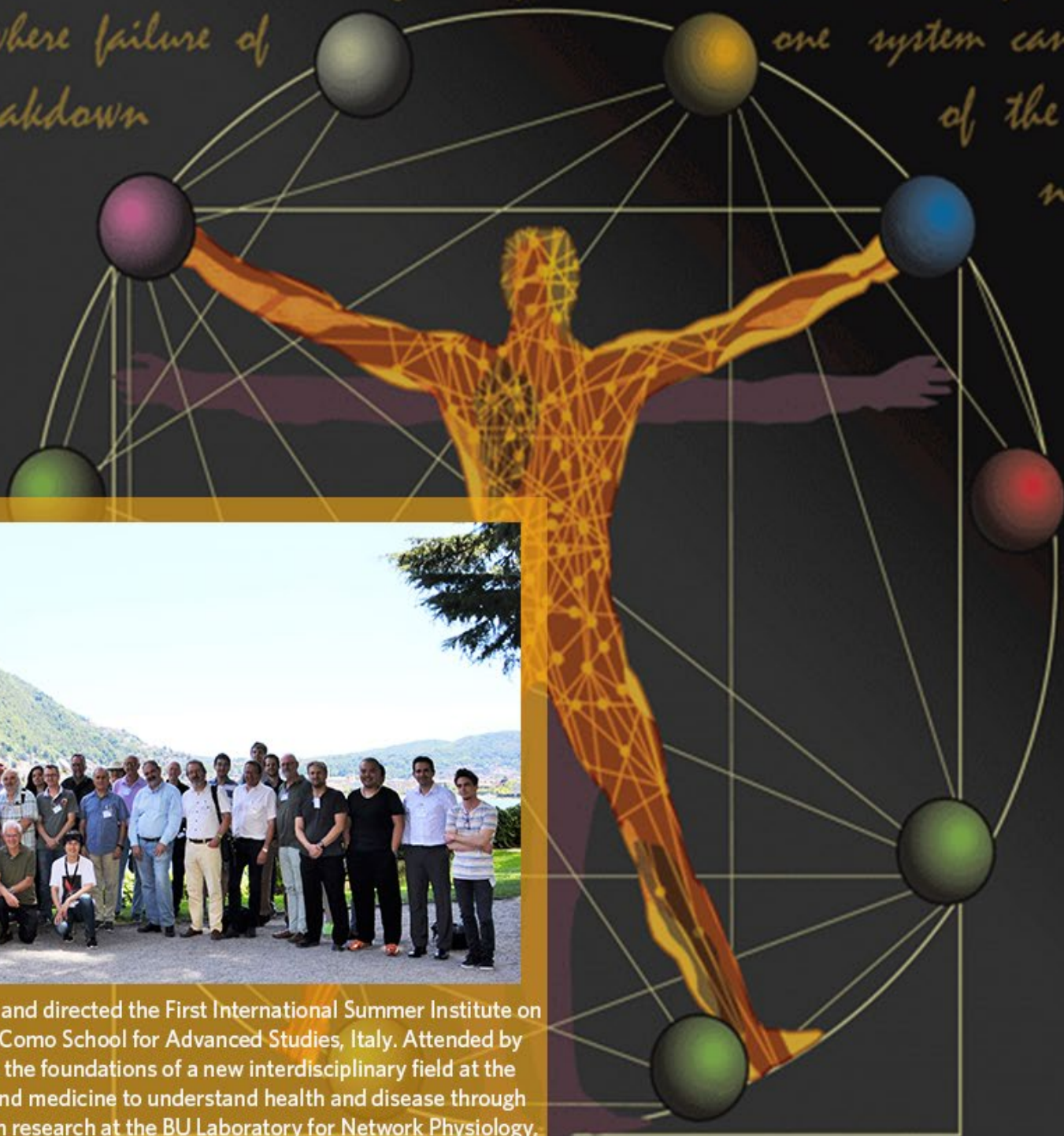
Lake Como School of Advanced Studies, 24 July – 29 July 2017



website: <https://isinp.github.io/isinp-1/>

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 a breakdown of the entire network.



Research Professor Plamen Ch. Ivanov initiated and directed the First International Summer Institute on Network Physiology (ISINP 2017) at the Lake Como School for Advanced Studies, Italy. Attended by participants from 16 countries, the event laid the foundations of a new interdisciplinary field at the interface of physics, biomedical engineering and medicine to understand health and disease through networks of organ interactions. Originated from research at the BU Laboratory for Network Physiology, and supported by the W. M. Keck Foundation and the Alessandro Volta Foundation, the event was organized by dedicated committee members: Drs. Xiyun Zhang, Fabrizio Lombardi, Chengyu Huo (postdoctoral fellows) and Jilin Wang (PhD student) at the BU Physics Department.

is needed to probe the network of interactions among diverse physiologic systems.