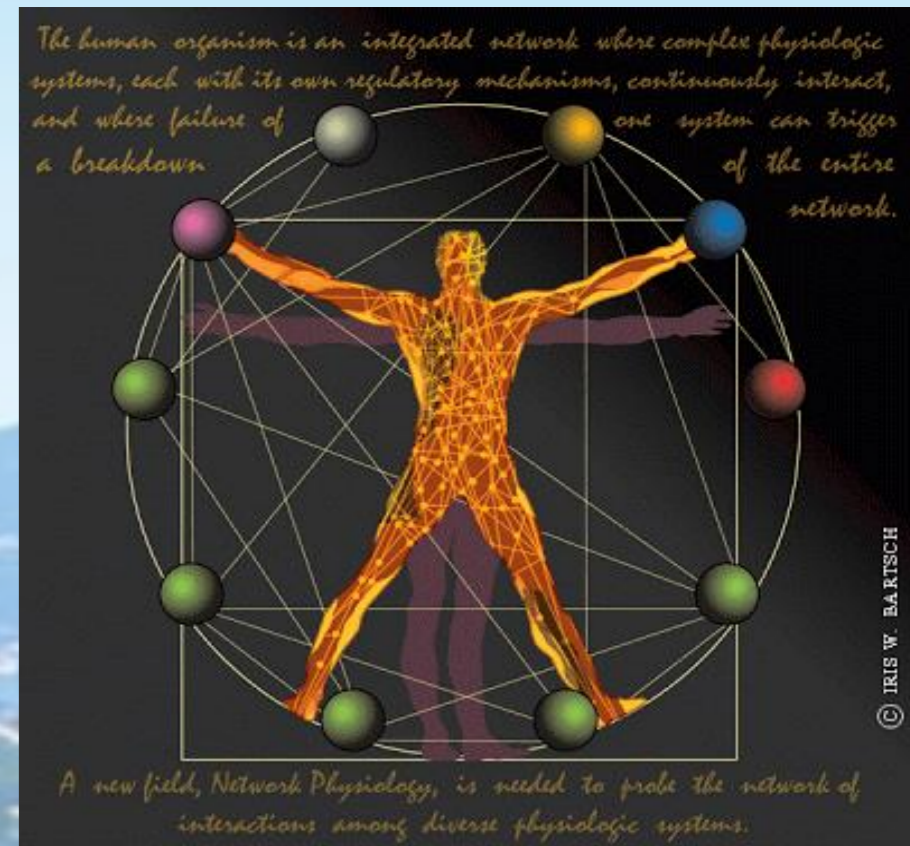




Third International Summer Institute on Network Physiology (ISINP)

Lake Como School of Advanced Studies, 24 - 29 July 2022



website: isinp-3.lakecomoschool.org

The focus of this summer institute is to integrate empirical and theoretical knowledge across disciplines with the aim to understand in different contexts - from extensive data analyses and modeling approaches to clinical practice - how diverse physiological systems and subsystems dynamically interact to produce health and disease. This will be an interactive event with lectures ranging from physics, applied mathematics and biomedical engineering to neuroscience, physiology and clinical medicine, covering a range of physiologic systems from the cellular to the organ level, and will discuss the challenges, current frontiers and future developments in the emerging field of *Network Physiology*. The institute will address a diverse audience of graduate students, postdocs, research scientists and faculty across a broad range of disciplines and fields, and will provide opportunities for the researchers to exchange new ideas and viewpoints, forge new collaborations and train the next generation of young scientists.

Invited Speakers

Natàlia Balagué

University of Barcelona, Spain

Ronny P. Bartsch

Bar-Ilan University, Israel

Barbara E. Corkey

Boston University, USA

Marina de Tommaso

University of Bari, Italy

Luca Faes

University of Palermo, Italy

Charles C. Hardin

Massachusetts General Hospital, Harvard
Medical School, USA

Shlomo Havlin

Bar-Ilan University, Israel

Kathryn A. Hibbert

Massachusetts General Hospital,
Harvard Medical School, USA

Plamen Ch. Ivanov

Boston University, USA

Mohit Kumar Jolly

Indian Institute of Science,
Bangalore, India

Jürgen Kurths

Humboldt University, Germany

Klaus Lehnertz

Bonn University, Germany

André Longtin

University of Ottawa, Canada

J. Randall Moorman

University of Virginia, USA

Ulrich Parlitz

Max Planck Institute, Germany

Louis M. Pecora

U. S. Naval Research Laboratory, USA

Arkady S. Pikovsky

University of Potsdam, Germany

Caterina A. M. La Porta

University of Milan, Italy

Alberto Porta

University of Milan, Italy

Rossella Rizzo

University of Palermo, Italy

Marianna La Rocca

Bari Aldo Moro University, Italy

Michael G. Rosenblum

University of Potsdam, Germany

Olga Sosnovtseva

University of Copenhagen, Denmark

Christopher R. Stephens

National University of Mexico, Mexico

Ruedi Stoop

ETH /University of Zurich, Switzerland

Sebastiano Stramaglia

University of Bari, Italy

Franca Tecchio

National Research Council, Italy

Robert J. Thomas

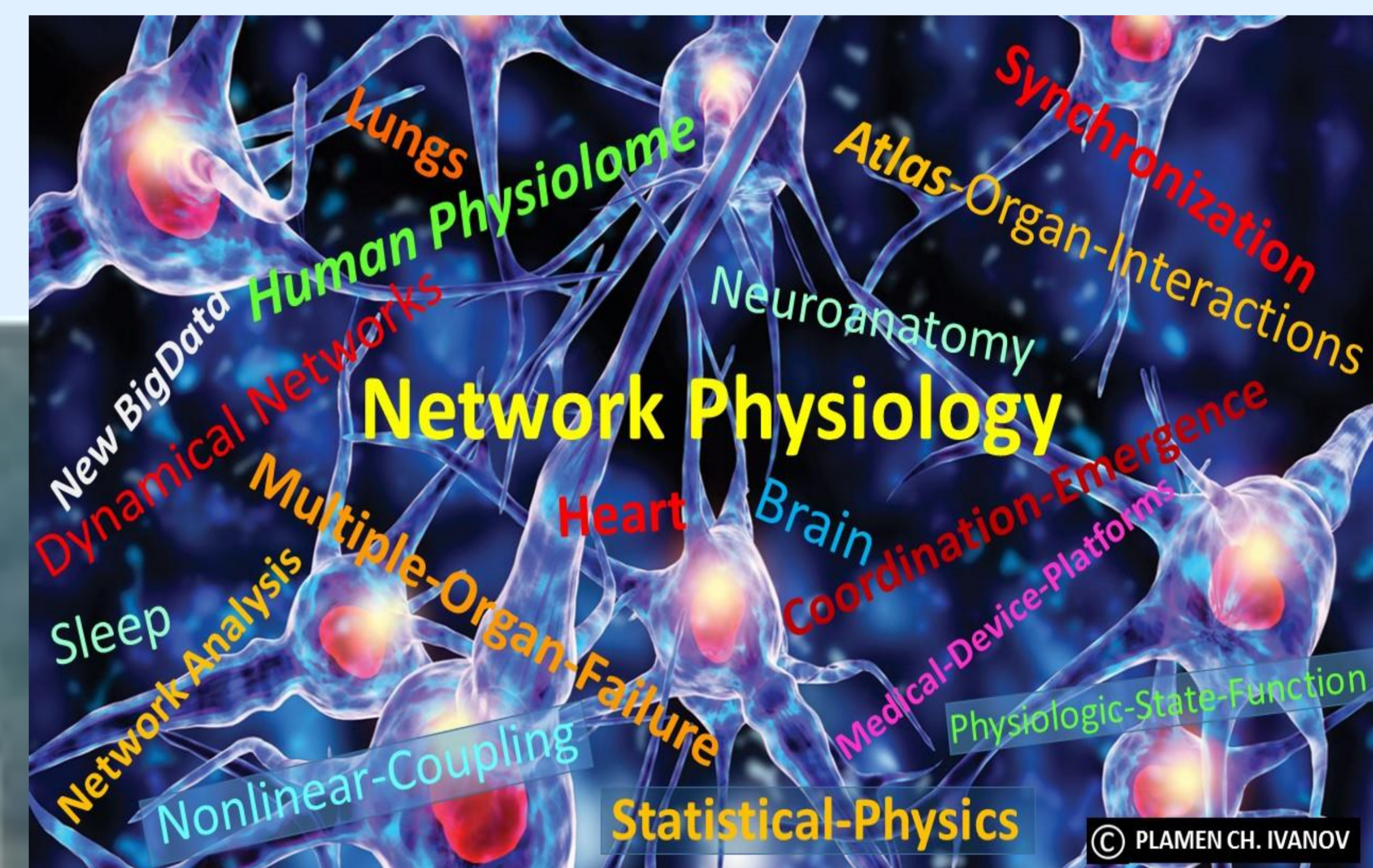
Beth Israel Deaconess Medical Center,
Harvard Medical School, USA

Alexey Zaikin

University College London, UK

Stephano Zapperi

University of Milano, Italy



Institute Organizer and Director



Plamen Ch. Ivanov

Director, Keck Laboratory
for Network Physiology
Boston University, USA

Contacts & Location



Villa del Grumello
Via per Cernobbio, 11
22100 Como, Italy.
Ms. Mariagiovanna Falasconi
tel. +39 031 579813
fax +39 031 573395
Email: info@lakecomoschool.org
www.lakecomoschool.org



**Fondazione
Alessandro Volta**



Frontiers in Network Physiology