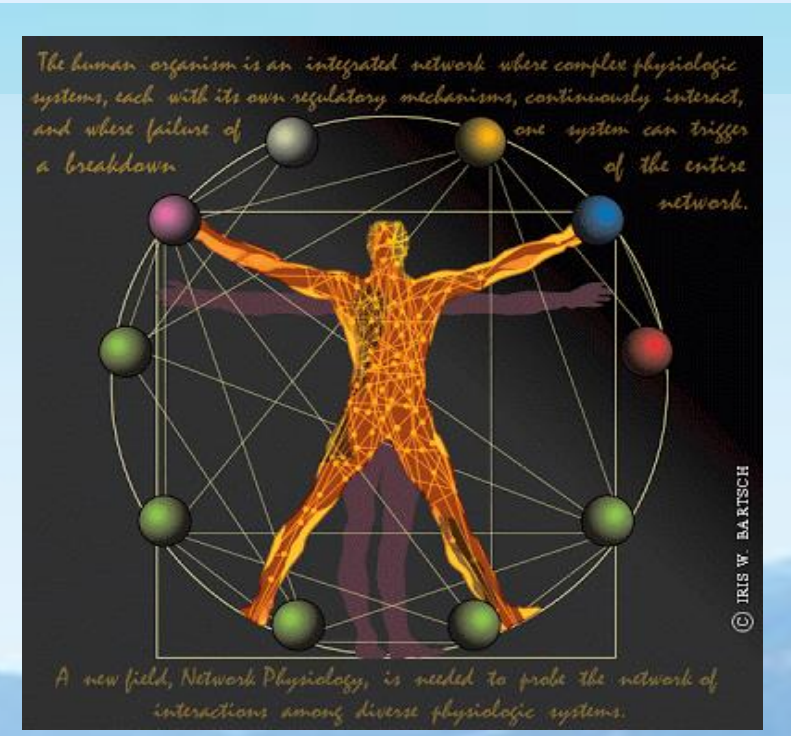




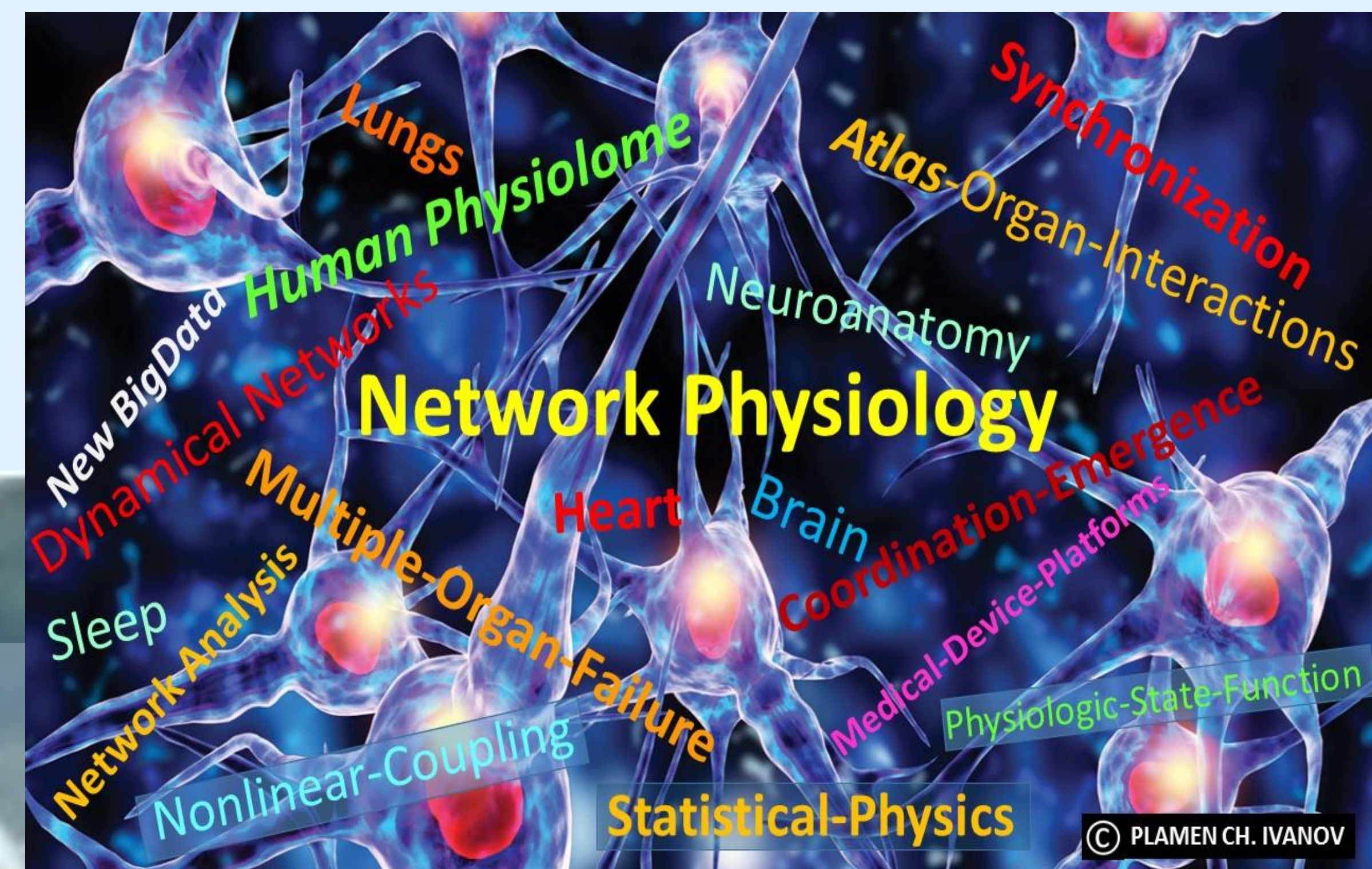
First International Summer Institute on Network Physiology (ISINP)

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



website: isinp.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



Ronny P. Bartsch
Physics Department,
Bar-Ilan University, Israel



J. Randall Moorman
Center for Advanced Medical
Analytics University of Virginia
USA



Stefano Boccaletti
Institute for Complex Systems
Florence, Italy



Louis M. Pecora
Naval Research Laboratory
Washington, DC, USA



Eberhard Bodenschatz
Max Plank Institute for
Dynamics and Self-Organization
Goettingen, Germany



Thomas Penzel
Sleep Center, Charité Hospital
Berlin, Germany



Timothy G. Buchman
Critical Care Centers
Emory University, USA



Arkady S. Pikovsky
Department of Physics and Astronomy
University of Potsdam, Germany



Edward T. Bullmore
Behavioural and Clinical
Neuroscience Institute,
Cambridge University, UK



Michael G. Rosenblum
Department of Physics and Astronomy
University of Potsdam, Germany



Luca Faes
Bruno Kessler Foundation
and BIOTech Center,
University of Trento, Italy



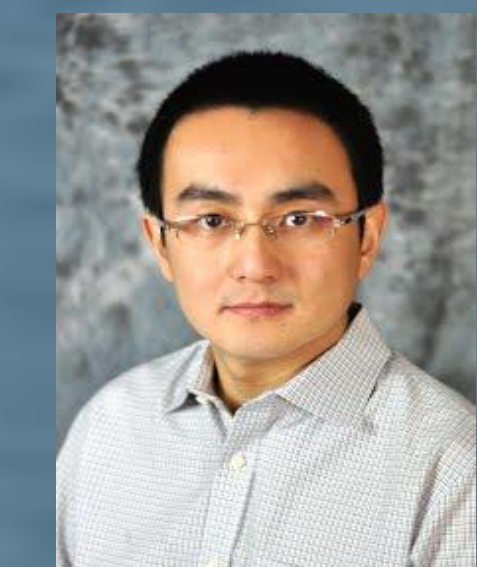
Antonio Scala
CNR Institute for Complex Systems
University of Roma "La Sapienza"
Italy



Klaus Lehnertz
Department of Epileptology
Bonn University, Germany



Ruedi Stoop
Institute for Neuroinformatics
ETH Zürich, Switzerland



Kang K L Liu
Department of Physics
Brandeis University, USA



Sebastiano Stramaglia
Department of Applied Physics
University of Bari, Italy



Hagen Malberg
Institute for Biomedical
Engineering, Dresden University
of Technology, Germany



Béla Suki
Department Biomedical Engineering
Boston University, USA

Institute Organizer and Director



Plamen Ch. Ivanov
Director, Keck Laboratory
for Network Physiology
Boston University, USA

Contacts & Location



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