Statistical physics in biological networks

March 2-5 2020. Puerto Madryn, Chubut, Argentina.

One of the central themes of the conference is the computational and theoretical aspects of information from the biology of networks to find answers to various problems. In this sense, one of the main objectives of the congress is to bring together in Argentina international specialists in the field of statistical physics and systems biology, both theoretical and experimental.

MAIN TOPICS

- Inference and modeling of multi-scale Biological Networks
- Quantitative study of cell energetics in proliferative regimes
- Mathematical models for cell differentiation during embryogenesis.

CONFIRMED SPEAKERS

- Gustavo Stolovitzky (Thomas J. Watson Research Center, EEUU)
- Silvina Ponce Dawson (DF-IFIBA, UBA, Argentina)
- Alejandra Ventura (IFIBYNE CONICET, Argentina)
- Ariel Chernomoretz (DF, UBA, Argentina)
- Ignacio Ponzoni (ICIC, UNS, Argentina)
- Gustavo Parisi (Structural Bioinformatics Group, UNQ, Argentina)
- Fernando Momo (UNGS and UNLu, Argentina)
- Andrea Pagnani (IIGM POLITO, Italy)
- Andrea De Martino (IIGM, Italy)
- Martin Weigt (Sorbonne Université, France)
- Alexei Vazquez (Cancer Research UK - Beatson Institute, UK)
- Roberto Mulet (University of Havana, Cuba)
- Alejandro Lage-Castellanos (University of Havana, Cuba)
- Alfredo Braunstein (POLITO, Italy)

LOCAL ORGANIZING

- Alejandro Fendrik
- Lilia Romanelli
- Marcela Reale
- David Margarit
- Ariel Scagliotti

IMPORTANT DATES

Deadline for registration: 15 January 2020
Deadline to request financial support: 1 December 2019

IMPORTANT: A limited number of grants are available to support the lodging of selected participants, with priority given to participants from Latin American countries. There is no registration fee.

https://sites.google.com/view/infernetba2020/home

Universidad Nacional de General Sarmiento

infernet
New algorithms for inference and optimization from large-scale biological data

ICTP
The Abdus Salam
International Centre
for Theoretical Physics