



Università
Ca' Foscari
Venezia

Dipartimento di Scienze
Molecolari e Nanosistemi



European
Centre
for Living
Technology

Group Meeting Statistical Mechanics@CF & Friends

9 - 10 Dicembre 2021

9 Dicembre 2021

Campus Scientifico

Via Torino 155, Mestre (VE)

Aula Orio-Zanetto Edificio Alfa

14.00 | Opening remarks

Chair: **Achille Giacometti**

Ca' Foscari University of Venice

14.15-14.45

Nicola Prezza

Ca' Foscari University of Venice

**Algorithms and Data Structures
for Computational Pan-Genomic**

14.45-15.15

Barbara Ruzicka

CNR-ISC Roma

**Dynamical Behaviour and Formation
of Arrested States In Colloidal Systems**

15.15-15.45

Georgios Tsekenis

CNR-ISC Roma, Ca' Foscari University of Venice

Chemical Networks

15.45-16.15 | Coffee break

Chair: **Stefano Bonetti**

Ca' Foscari University of Venice

16.15-16.45

Marco Nobile

Ca' Foscari University of Venice

**Simplifying Kinetic Parameters Estimation
by Reshaping the Fitness Landscape**

16.45-17.00

Giulia Fischetti

Ca' Foscari University of Venice, ZHAW Zurich

**Machine Learning Techniques for NMR
Data Analysis**

17.00-17.30

Cedrix Dongmo

Ca' Foscari University of Venice

**Solvent Effects on Synthetic
and Biopolymers**

17.30-18.00

Carlo Alberto Brondin

Ca' Foscari University of Venice

**Magnetism and Graphene:
a Tale seen with Visible and X-ray Light**



Università
Ca' Foscari
Venezia



Dipartimento di Scienze
Molecolari e Nanosistemi

Group Meeting Statistical Mechanics@CF & Friends

9 - 10 Dicembre 2021

10 Dicembre 2021

Ca' Bottacin, 3911
Calle Crosera, Venezia
ECLT, Aula B

Chair: **Guido Caldarelli**

Ca' Foscari University of Venice

9.00-9.30

Giulio Cimini

Roma 2 Tor Vergata

Statistical Physics of Networks

9.30-10.00

Tommaso Gili

IMT Lucca

Brain Physics from FMNR

10.00-10.15

Giulia Moro

Ca' Foscari University of Venice

How Perfluoroalkyl Substances Modify
Fluorinated Self-Assembled Monolayer
Architectures: an Electrochemical and
Computational Study

10.15-10.45

Marco Spinaci and **Somiale Azote**

Ca' Foscari University of Venice

A New Coarse Grained Approach
to Protein-DNA Interaction

10.45-11.15

Lorenzo Fanton, Alberto Pesce, Davide Pizzolato, Jacopo Moi, Francesco Vinci, Marta Simeoni, Alvisè Spanò

Ca' Foscari University of Venice
RIN-Maker Group

Computational Tools for Proteins

11.15-11.45 | Coffee Break

Chair: **Flavio Romano**

Ca' Foscari University of Venice

11.45-12.15

Pablo Villegas

IMT Lucca

Percolation in Ecological Systems

12.15-12.30

Laura Dal Compare

Ca' Foscari University of Venice

Perspectives on Liquid Crystal Phases
in Rod-Like Particles

12.30-13.00

Mirco Tribastone

IMT Lucca

Coarse Graining Large Scale
Reaction Networks

13.00 | Closing remarks