



Biophysics@Rome

The Roman Event for Biophysics and Biotechnologies

Biophysics@Rome

Consiglio Nazionale delle Ricerche

(Piazzale Aldo Moro, 7 – Roma)

April 19-20, 2023

www.biophysicsatrome.org

“Research on the path to sustainability”

The biggest challenge in today's world, as identified by the UN Sustainable Development Agenda, is to protect the Earth's environment and improve the lives of its inhabitants, through sustainable actions and choices. Such a global task can only be achieved through scientific contributions from all areas of knowledge, aimed at combating climate change, ensuring healthy lives, and promoting human well-being.

In this perspective, the Tech4Bio group has been engaged for many years in the fields of Biomedicine and Biophysics, for the development of innovative strategies in the areas of biosensors, nanotechnologies, and regenerative medicine.

The Tech4bio group is the promoter of Biophysics@Rome, a biennial symposium held with the patronage of SIBPA (Italian Society of Pure and Applied Biophysics), that brings together scientists interested in the fields of biophysics and technologies for biology and medicine. These periodic conferences aim to foster the creation of a fertile ground for the emergence of “interdisciplinary people”, putting together skills and expertise coming from different intersecting fields,

We are now pleased to announce the fifth edition of the Biophysics@Rome Conference, which will be held on April 19th -20th, 2023, in Rome. The aim of this edition is to provide an overview of the various contributions provided by biophysics toward a sustainable world, ranging from molecular and cellular studies of fundamental biological processes to applications in environmental monitoring, tissue engineering, biomaterials, biosensors, and innovative devices in the therapeutic and diagnostic fields.

Topics

Molecular Biophysics
Cellular Biophysics
Microscopy and Spectroscopy
Computational Biophysics
Bioinformatics and System Biology
Biochemistry
Medical Physics
Complexity
Quantum Effects

Sensors and Devices
Microfluidics
Labs-on-Chips
Regenerative Medicine
Novel Materials
Laser Processing
Food Characterization
Artificial Intelligence
Digital Twin



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Biophysics@Rome 2023

“Research on the path to sustainability”

19 & 20 April 2023 (Free Admittance upon registration)

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Topics and subjects:

Microfluidics

Microscopy and Spectroscopy

Sensors and Devices

Lab-on-Chips

Digital Twins

Complexity

Novel Materials

Regenerative Medicine

Laser Processing

Soft Matter

Computational Biophysics

Molecular Biophysics

Bioinformatics and System Biology

Biochemistry

Food Characterization

Medical Physics

Quantum Effects

Artificial Intelligence

Cellular Biophysics

Confirmed Invited Speakers:

[Giancarlo Ruocco](#) (*Sapienza Univ. Rome*)

[Enzo Di Fabrizio](#) (*Turin Politech*)

[Giovanni Bussi](#) (*SISSA, Trieste*)

[Barman Ishan](#) (*Johns Hopkins Univ., USA*)

[Alberto Diaspro](#) (*SIBPA president, IIT Genoa*)

Abstract Deadline: *March 1st, 2023*

Abstract submission on-line (max 600 words)

- Oral Presentations
- Posters

Registration Deadline: *April 1st, 2023*



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IMAGE CONTEST: “BiophysicART” (submission deadline *April 1st, 2023*)
BEST POSTER AWARD (sponsored by Sibpa)

TECH 4 BIO

SIBPA

Società Italiana di Biofisica Pura e Applicata
fondata nel 1973