



ESB-ITA 2023

XII ANNUAL
MEETING

TORINO

18-19
SEPT 2023

IMPORTANT DATES

Deadline, abstract submission:
24 MAR 2023

Notification, acceptance of abstract:
31 MAY 2023

Deadline, early bird registration:
30 JUNE 2023

The annual meeting of the ESB-ITA offers the **opportunity for biomechanics researchers** to present and discuss their studies in a friendly and informal atmosphere.

THEMATIC SYMPOSIUM



18 SEPT 2023

Integrative biomechanics

advancing knowledge and technology from
molecular to organ level

GENERAL MEETING



19 SEPT 2023

Biomechanics in Italy

VENUE: Politecnico di Torino, Torino, Italy

Local organizers

Claudio Chiastra
Marco A. Deriu
Diego Gallo
Diana Massai
Mara Terzini



Politecnico
di Torino



Topics

Musculoskeletal biomechanics;
Orthopaedic biomechanics; Cardiovascular biomechanics;
Respiratory biomechanics; Ocular biomechanics;
Dental biomechanics; Biomechanics of movement,
posture and sports; Ergonomics and rehabilitation;
Biomechanics in Space; Artificial organs and
medical devices; Hard and soft tissue biomechanics;
Cellular and molecular biomechanics/mechanobiology;
Tissue engineering

Invited speakers



Aristide Dogariu
University of Central Florida, USA

"Using laser light scattering to interrogate cellular and subcellular dynamics and mechanics"



Frank Gijzen
Erasmus MC, The Netherlands

"Thrombus mechanics: from micro-structure to outcome prediction"



Mauro Grigioni
Istituto Superiore di Sanità, Italy

"State of the art and challenges for the classification of robotic devices in rehabilitation: Technologies and regulatory issues"



Gianni Pedrizzetti
Università di Trieste, Italy
Gruppo Biomeccanica AIMETA (GBMA)

"Cardiac fluid mechanics in the clinical scenario: the tale from theoretical models to clinical practice"



Manuela Raimondi
Politecnico di Milano, Italy
ERC in Italy

"Mechanobiology of cancer progression"



Laurence Vico
INSERM; Université Jean Monnet; Mines Saint-Etienne, France

"Our skeleton adapts to the conditions of space flight but the return to the Earth is challenging"

Awards



- **ESB-ITA2023 awards** for **best oral and poster presentations** (≤ 35 y.o.)
- **ERC in Italy award**: the "ERC in Italy" association will sponsor the participation to a training on ERC proposal writing (*prerequisite: doctoral degree obtained*)
- **Sponsors' awards**
- **ESB-ITA Master thesis award**



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