

Friday 20 February

9:00 – 10:45	Medicine 2
10:45 – 11:15	Coffee Break
11:15 – 13:00	Medicine 3
13:00 – 13.15	Closing ceremony Maria Richetta

Medicine 2 - Chairperson Marco Evangelos Biancolini		
9:00	Curci	A Microfluidic Platform for Real-Time Contractility Analysis in Skeletal Muscle Tissue
9:15	Kambampati	Advanced Lower Limb Rehabilitation System with Real-time Biofeedback for Enhanced Gait Analysis and Overloading Prevention in Orthopedic and Neurological Patients
9:30	Meier	Xolography post-print process optimization for biomedical applications
9:45	Di Cosmo	Preliminary characterization of braided flow diverters: original configuration and mechanical response
10:00	Dhanasekaran	Socially Assistive Robots in Healthcare: A Comparative Overview of Pepper and NAO for Elderly Support
10:15	Servi	An automated procedure for modeling customized cutting guides for the correction of Pectus Arcuatum
10:30	Gaziano	Advanced computational modeling for the treatment and prevention of bone fractures

Medicine 3 - Chairperson Gaetano Marrocco		
11:15	Pizzoferrato	Microplastic Detection and Identification Using a New Dual-Channel Fluorescence Optical Sensor
11:30	Biancolini	Virtual Reality for Real-Time Exploration of Patient-Specific Hemodynamics in Pediatric Congenital Heart Surgery Planning
11:45	Mastrofini	Homeostatic Remodeling and Vascular Stress Adaptation in Carotid Atherosclerosis: A Multi-Patient Analysis
12:00	Eichstedt	Checklist Application in Aviation and Healthcare
12:15	Ruocco	An Imaging-to-Simulation Workflow for Modeling Tumor Proliferation and Response to Neoadjuvant Chemotherapy in Breast Cancer
12:30	Barbato	Conversion of physical obstacles into opportunities: the development of the SonoWell® a unique ultrasound platform for pre-clinical research
12:45	Krenz-Baath	Verification and Validation of Bio-Electronic Systems