



# ESB-ITA 2023

## Monday, 18 September 2023

### Poster Session I - Padiglione Aule R (12:15 - 13:45)

[id] title	presenter	board
[63] P1.03 - HOW TO SHOW CREDIBILITY OF IN SILICO CLINICAL PROCEDURES: APPLICABILITY ANALYSES	LURAGHI, Giulia	
[97] P1.36 - TOPOLOGY OPTIMIZATION FOR THE DESIGN OF NOVEL FEMORAL ARTERY STENTS	FERRO, Nicola	
[69] P1.09 - PATIENT-SPECIFIC MATERIAL CALIBRATION OF TAVI PATIENTS	CATALANO, Chiara	
[71] P1.11 - MODELING HOW CHEMICAL ENERGY IS CONVERTED INTO ACTINBASED MOTILITY	SALVADORI, Alberto	
[81] P1.21 - MECHANICAL CHARACTERIZATION OF PLANTAR ADIPOSE TISSUE	PETTENUZZO, Sofia	
[85] P1.25 - A NANOMECHANICAL ANALYSIS OF THE VISCOELASTIC BEHAVIOR OF BIOLOGICAL TISSUES AND HYDROGELS	SERINO, Gianpaolo	
[89] P1.29 - MORPHOLOGICAL AND MATERIAL CHARACTERIZATION OF SLM Ti6Al4V THIN SAMPLES FOR ORTHOPEDIC IMPLANTS	DANIELLI, Francesca	
[92] P1.32 - ENGINEERING SPHERICAL MEMBRANES FOR INHALATION TESTS IN THE PRESENCE OF SYNTHETIC MUCUS	CACOPARDO, Ludovica	
[61] P1.01 - DESIGN AND FABRICATION OF AN INTESTINAL PHANTOM TO MIMIC INTESTINAL MOTILITY	SIGNORELLO, Paolo	
[64] P1.04 - PERSONALIZED COMPUTATIONAL MODELING OF MYOCARDIAL PERFUSION IN CORONARY ARTERY DISEASE	MONTINO PELAGI, Giovanni	
[80] P1.20 - WHAT INFLUENCE DOES THE GEOMETRY OF THE ARTIFICIAL URINARY SPHINCTER HAVE ON THE RISK OF URETHRAL DAMAGE?	MASCOLINI, Maria Vittoria	
[79] P1.19 - TEST BENCH FOR CHARACTERIZING THE PERMEABILITY OF TISSUE ENGINEERING SCAFFOLDS	ISRAEL, Simone	
[91] P1.31 - MECHANICAL BEHAVIOR OF NERVE CONDUITS BASED ON OXIDIZED POLYVINYL ALCOHOL AND CARBON NANOTUBES	CONFALONIERI, Marta	
[67] P1.07 - TAVI PROGNOSTIC ASSESSMENT COUPLING IMMUNOLOGICAL PROFILE AND HIGH-FIDELITY MODELING	GROSSI, Benedetta	
[75] P1.15 - CHARACTERIZATION OF PANCREATIC DUCTAL ADENOCARCINOMA CELLS MIGRATION AND TRACTION FORCE ON STIFFNESS-TUNABLE SUBSTRATES	GABETTI, Stefano	
[86] P1.26 - STRESS RELAXATION OF THE LOWER LIMB TENDONS IN HORSES	BURGIO, Vito	
[84] P1.24 - BIOMECHANICAL CHARACTERIZATION OF THE HUMAN FASCIAE OF THE ABDOMINAL REGION: SUPERFICIAL VS DEEP FASCIA	GHIRARDI, Maria	
[73] P1.13 - ADVANCED CONSTITUTIVE MODELLING OF POLYMERS FOR TISSUE BIOPRINTING APPLICATIONS	ZOBOLI, Lorenzo	

<b>[94] P1.34 - ENGINEERED MODELS OF FIBROTIC CARDIAC TISSUE AS PREDICTIVE PLATFORMS FOR PRECLINICAL VALIDATION</b>	SPEDICATI, Mattia	
<b>[66] P1.06 - FLUID-STRUCTURE INTERACTION MODELING FOR EVALUATING SENSOR-BASED transcatheter HEART VALVES</b>	PULEO, Silvia	
<b>[74] P1.14 - 3D MICROSTRUCTURED SCAFFOLD GEOMETRY DRIVES MESENCHYMAL STEM CELL PHENOTYPE</b>	JACCHETTI, Emanuela	
<b>[88] P1.28 - FINITE ELEMENT ANALYSIS OF HEMIPELVIC CUSTOM-MADE RECONSTRUCTIONS IN THE LONG-TERM FOLLOW-UP</b>	FRATERRIGO, Giulia	
<b>[83] P1.23 - EFFECTS OF INTERVERTEBRAL DISC DEGENERATION ON THE STRAIN DISTRIBUTION ON THE DISC SURFACE</b>	PASINI, Margherita	
<b>[87] P1.27 - SATISFACTORY MODELLING COMPLEXITY FOR PRK IN-SILICO SIMULATION: AN OPTO-MECHANICAL ANALYSIS</b>	FANTACI, Benedetta	
<b>[68] P1.08 - THE ROLE OF HEMODYNAMICS IN ARTERIOVENOUS FISTULA REMODELLING AND FAILURE</b>	BOZZETTO, Michela	
<b>[62] P1.02 - ARE MECHANICAL PARAMETERS OF SURGICAL MESHES RELATED TO STRUCTURE PROPERTIES? A MULTIPLE REGRESSION ANALYSIS</b>	CIVILINI, Vittoria	
<b>[65] P1.05 - A NUMERICAL MODEL FOR ZEBRAFISH VENTRICULAR ACTION POTENTIAL</b>	CESTARIOLO, Ludovica	
<b>[72] P1.12 - UNRAVELING TAXOL EFFECT ON MICROTUBULE MECHANICS THROUGH A MULTISCALE ANALYSIS OF TUBULIN DYNAMICS</b>	CANNARIATO, Marco	
<b>[76] P1.16 - A PARAMETRIC CELL STRESSES ANALYSIS DURING EXTRUSION BIOPRINTING PROCESS BASED ON A FSI APPROACH</b>	SANTESARTI, Gianluca	
<b>[77] P1.17 - ASSESSING THE PERFORMANCE OF DECELLULARIZATION OF HUMAN TISSUES THROUGH MECHANICAL EVALUATION</b>	LUGAS, Andrea Tancredi	
<b>[78] P1.18 - EXPERIMENTAL AND MODELLING ANALYSES FOR UNDERSTANDING OF THE STRUCTURE-MECHANICS RELATIONSHIP OF AORTIC TISSUE</b>	ASTORE, Michela	
<b>[82] P1.22 - AN UNFITTED METHOD WITH ROBIN BOUNDARY CONDITIONS FOR THE ANALYSIS OF HETEROGENEOUS ARTERIAL SECTIONS</b>	STEFANATI, Marco	
<b>[90] P1.30 - COMPARISON OF PHANTOM-BASED AND PHANTOMLESS CT CALIBRATION ON FE MODELS TO PREDICT HIP FRACTURE</b>	SZYSZKO, Julia	
<b>[93] P1.33 - DESIGN AND VALIDATION OF AN IN VITRO PLATFORM FOR LYMPHOCYTES RECIRCULATION IN CANCER IMMUNOTHERAPY APPLICATIONS</b>	RITTER, Paolo	