5 September

**S6M: Biomaterials - Prostheses, gel, coatings and porous media**

*Chairs: Sara Ferraris, Silvia Pianigiani*

- BIOMECHANICAL STUDY USING TOTAL OSSICULAR REPLACEMENT PROSTHESIS OF THE MIDDLE EAR
  - FERNANDA GENTIL

- ZIRCONIA-TOUGHENED-ALUMINA COATINGS REALIZED BY MEANS OF PULSED PLASMA DEPOSITION TECHNIQUE: PRELIMINARY RESULTS
  - NICOLA LOPOMO

- FLUID DYNAMICS IN POROUS SCAFFOLDS STIMULATED WITH CYCLIC SQUEEZE PRESSURE IN THE S2PR BIOREACTOR
  - MARCO FERRONI

- FRACTIONAL-ORDER GENERALIZATION OF TRANSPORT EQUATIONS IN FRACTAL POROUS MEDIA
  - MASSIMILIANO ZINGALES

- HARD ZIRCONIA THIN FILMS REALIZED BY MEANS OF PULSED PLASMA DEPOSITION FOR HIGH-PERFORMANCE UHMWPE INSERTS
  - MICHELE BIANCHI

- EVALUATION OF DIFFERENT FIXATION MATERIALS FOR MANDIBULAR CONDYLE FRACTURES
  - YUNUS ZIYA ARSLAN

- AGE-RELATED CHANGES IN MECHANICAL PROPERTIES OF POLYPROPYLENE HERNIA MESHES
  - MIGLENA K. DONEVA

- NANOMECHANICAL EVALUATION OF BONE TISSUE REGENERATED BY MAGNETIC SCAFFOLDS
  - MARCO BOI