

REGISTRATION



DISC
Department of Surgical Sciences
and Integrated Diagnostics

REGISTRATION FEE It includes participation to the conference, welcome party, social dinner, coffee breaks, conference documentation.

250 Euro before August 31, 2017

300 Euro after August 31, 2017

150 Euro Students* before August 31, 2017

200 Euro Students* after August 31, 2017

* For undergraduated and PhD student: please provide a letter from your tutor.



“TISSUE REGENERATION: ADVANCED CERAMICS AND COMPOSITES”

Genova – Italy October 19-20, 2017

Space for Sponsors Logo in the final
program

Abstract deadline September 15, 2017



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PRELIMINARY PROGRAM AND CALL FOR PAPERS

A lot of materials are available as carriers for cells and drugs. Several polymeric scaffolds and composites are on trade, but they present some issues connected to long-term exercise, nature of materials and reaction with active principles and tissues. A project will be proposed on multi doped silico-calcium-phosphate for tissue regeneration (MUSICAP)

MAIN TOPICS

BONE SIMULATIONS AND MODELS FOR TISSUE ENGINEERING

- Mineral evolution of bone
- Bone remodelling
- Biomechanics and evolution
- Research for animal safety

THE CELL AS BIOMATERIAL: IN VITRO TISSUE REBUILDING

- Cell metabolism and the immune system
- Cells cultures on biomaterials
- Organization and dynamics of biomolecules and cells on surfaces
- Monitoring and adhesion events for cells on surfaces
- Exploitation of artificial organs
- In-vitro control of tissues and organs development

BIOLOGY AND MATERIALS: FROM BENCH TO BEDSIDE

- Tissue engineering and drug delivery
- Bioactive materials and bioactivity testing
- Tissue engineering and biomineralization
- Biodegradable scaffolds
- Biomechanics of cell-material adhesion
- Carrier systems and biosensors
- Cardiovascular systems

ADVANCED TECHNOLOGIES FOR THE STUDY OF MATERIALS FOR TISSUE ENGINEERING

- Characterization techniques: SEM-EDS, AFM, XPS, SIMS, TEM, ESEM
- Micro- and nanotechnologies

CALLS FOR PAPERS

Submission deadline for abstracts: September 15, 2017

Abstract presentation:

Abstract must be written in English. The text must not exceed 250 words. It must include: title, authors' names institutions with address, state, phone and fax numbers. The text must give information about the target of the study, methods utilized, results obtained and conclusions. Preference for either oral or poster presentation should be indicated.

FORECASTED ROUND TABLES

- TISSUES FROM LABORATORY TO CLINICS
- BIOMECHANICS
- NANOTECHNOLOGY FOR CERAMICS

Please, mail abstracts to the secretariat of 1st Prometeo-trace
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