

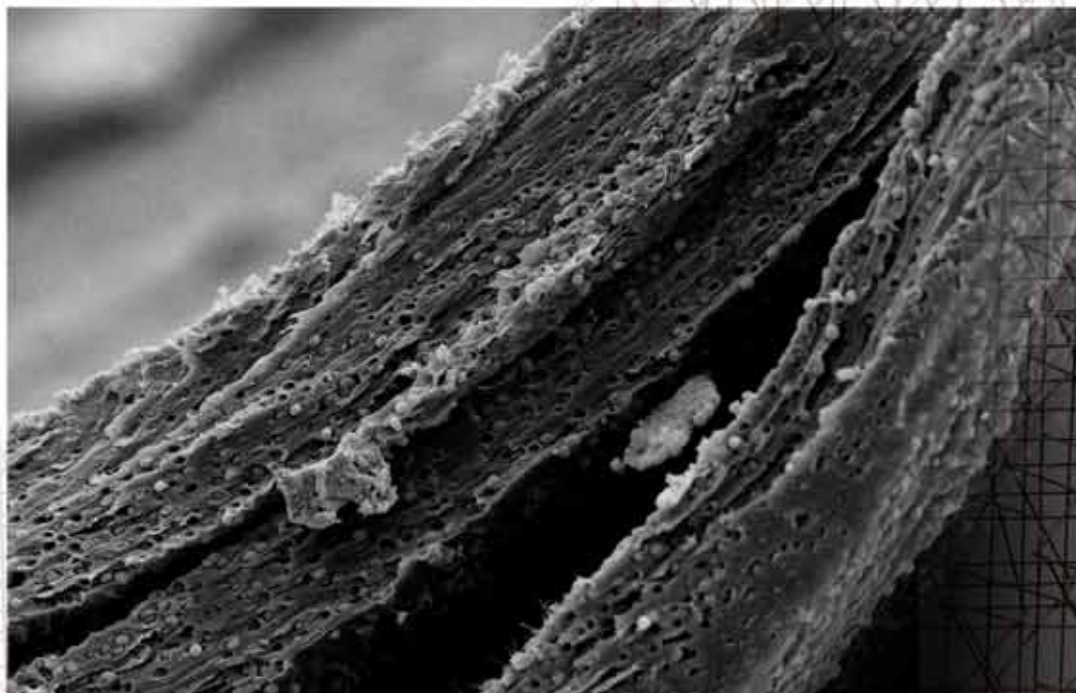


UNIVERSITÀ  
DEGLI STUDI  
DI BRESCIA

# International Conference Bioengineering and Cell Therapy

21st September 2018

University of Brescia - School of Medicine  
Main Lecture Hall - Viale Europa 11-Brescia



## SCIENTIFIC PROGRAM

8:30 **Registration**

9:00 **Welcome of the Authorities**

- Rector of the University of Brescia
- Director General of ASST Spedali Civili di Brescia
- Director General of the Italian National Transplant Centre (CNT)
- President of Fondazione Comunità Bresciana

**Welcome on behalf of GITMO and SIES and Introduction**

### First Session

**Chairman: F. Magni, M. Pizzi, E. Mariani**

- 9:30 Scaffold Universe – Engineering the cellular microenvironment with materials and growth factors
- 10:00 The potential of MSCs in regenerative medicine
- 10:30 Lab-on-a-tissue: Using Mass Spectrometry Imaging in clinical research
- 11:00 Re-engineering developmental process for cartilage and bone regeneration

11:30 -12:00 Coffee break

### Second Session

**Chairman: M. Castellano, R. Faglia, D. Russo**

- 12:00 High performance Gelatin/Chitosan-based Hydrogels as Scaffolds for Tissue Engineering Applications
- 12:20 Human Platelet Lysate production for h-MSCs expansion
- 12:40 Hydrogel Polymeric Scaffolds (HyPSS) bioengineered with Human Mesenchymal Stem Cells (hMSCs) for regenerative medicine employment: a pilot study
- 13:00 Development of artificial cartilage on chitosan-based scaffolds: critical points and preliminary data
- 13:20 The role of proteomics for molecular and cellular characterization of human platelet lysate and scaffolds

13:45 -14:30 Light Lunch

### Third session

**Chairman: P. Guizzi, E. Sardini, P. Nicolai**

- 14:30 Skull base reconstructions after expanded endoscopic approaches: state of the art
- 14:50 3-D printing of biocompatible engineered polymers for personalized skull base reconstruction in endoscopic skull base surgery: preliminary results and future directions. the e-Bones Project
- 15:10 Sensing scaffolds for cell monitoring in tissue engineering
- 15:30 Research Activities in the Tissue Engineering Laboratory at the University of Brescia

### Fourth session

**Chairman: G. De Petro, S. Sozzani, E. Monti**

- 15:50 A multidisciplinary approach to build an engineered heart tissue
- 16:10 iPS-derived dopaminergic neurons: a new tool to model neurodegenerative disorders
- 16:30 Extracellular vesicles in regenerative medicine

**Prof. M. Tira**  
**Dott. E. Belleri**  
**Dott. A. Nanni Costa**  
**Dott. P. L. Streparava**

**D. Russo**

**M.S. Sanchez**  
**K. Le Blanc**  
**B.P.A.M. Heijs**  
**I. Martin**

**L. Sartore**  
**C. Almici**

**F. Re**  
**G. Lisignoli**  
**C. Chinello**

**F. Doglietto**

**D. Mattavelli**  
**S. Tonello**  
**M. Serpelloni**

**P. Dell'Era**  
**M.C. Missale**  
**A. Radeghieri**

#### Organizing Secretariat

StudioProgress Snc  
Via Cattaneo 51 - 25121 Brescia (Italy)  
Tel. +39(0)30290326  
www.studioprogress.it  
info@studioprogress.it

Registration is free but must be finalized accessing the Organizing Secretariat website [www.studioprogress.it](http://www.studioprogress.it) NEXT MEETINGS. The Organizing Secretariat will send an acceptance e-mail to confirm registration.

**Scientific Secretariat: D. Russo, P. Nicolai, E. Sardini, L. Sartore, C. Paganelli, P. Guizzi, C. Almici**

on behalf of

- DPT of Clinical and Experimental Sciences
- DPT of Medical and Surgical Specialities, Radiological Sciences and Public Health
- DPT of Information Engineering
- DPT of Mechanical and Industrial Engineering
- DPT of Orthopaedic Surgery
- School of Dentistry
- DPT of Laboratory Medicine

**Official scientific language: English**

Under the Patronage of:

