Scientific Program

Registrations
08:30-09:30

PULSUS
WWW.PULSUSCONFERENCE.COM

Opening Ceremony
09:30-09:55

Day 1: October 17, 2018

Hall - Livia

Keynote Forum

Introduction 09:55-10:00

10:00-10:40 **Title: Polymeric and inorganic nanomaterials as promising tools for the battle against microbial biofilms**

Iolanda Francolini, Sapienza University of Rome, Italy

10:40-11:20 **Title: The effect of pore structure of collagen scaffold on cultured human chondrocytes in cartilage tissue engineering**

Mahdi Hadi, Tofigh Daru Research & Engineering Company, Iran

Group Photo

Refreshments and Networking Break @ Aventino: 11:20-11:40

Sessions: Biomaterials | Tissue Engineering | 3D printing of Biomaterials | Tissue Engineering in Tissue Repair | Regenerative Medicine | Biomaterials & Nanotechnology | Tissue Engineering and their Applications

Session Chair: Gianfranco Donelli, Microbial Biofilm Laboratory, Italy

Session Co-Chair: Iolanda Francolini, Sapienza University of Rome, Italy

Young Researcher's Forum

11:40-12:05 **Title: The potential of innovative marine-derived Biomaterials**

Cinzia Ferrario, University of Milan, Italy

12:05-12:30 **Title: Routine checking for cells viability in deposition 3D printing**

Chloe Devillard, Claude Bernard University Lyon1, France,

12:30-12:55 **Title: Investigating the structure-activity relationship of amphiphilic nucleophiles to hydrolyze major classes of pesticides in micellar medium**

Subhashini Pandey, Institute for Stem Cell Biology and Regenerative Medicine (inStem), India.

Lunch Break @ Aventino: 13:00-14:00

14:00-14:25 **Title: Developing 17-β-estradiol releasing electrospun polyurethane scaffolds for pelvic floor repair**

Sarah Shafaat, Kroto Research Institute, UK.

14:25-14:50 **Title: Title: Numerical simulation of tumor growth: A modifi ed mathematical model for behavior of spheroidal tumor growth in a microfl uidic device containing microwell structure**

Ali Taghibakhshi, Sharif University of Technology, Iran

Refreshments and Networking Break @ Aventino: 14:50-15:10

Poster Presentations	
WCAB-001	**Title: 3D alginate hydrogels: Impact of substrate stiffness on cellular response** **Alejandra Suarez-Arnedo,** Universidad de Los Andes, Colombia
WCAB-002	**Title: Fabrication of a PDMS thin film with surface modification as a scaffold for animal cells** **Ayoung Choi,** KAIST, Republic of Korea
WCAB-003	**Title: Marine by-products as source for functional and health-promoting biomaterials for tissue engineering applications** **Stefania Scialla,** Institute of Nanotechnology (NANOTEC), Italy
WCAB-004	**Title: Altered expression of miR-9, miR-143 and LMNA is related to clinicopathologic and epidemiologic features in bladder cancer in Tunisia** **Nouha Setti Boubaker,** Laboratory of proteins engineering and bioactive molecules (LIP-MB), Tunisia
WCAB-005	**Title: Development of biomimetic scaffolds for controlled release of bioactive agent** **Farah Alwani Azaman,** Athlone Institute of Technology, Ireland
Panel Discussions	
Award and Closing Ceremony	
Day 2 October 18, 2018	
B2B Meetings & Panel Discussions	