



# ISMuLT:

## SCIENTIFIC WORKSHOP

### **V** Musculoskeletal Tissue Engineering: Moving Towards New Solutions

*September, 15 2017 – 08:30 am*

University of Salerno  
Dept. of Medicine, Surgery & Dentistry  
«Scuola Medica Salernitana»  
Aula delle Lauree

#### **FACULTY**

Nicola Maffulli, *University of Salerno, Queen Mary University of London*  
Giovanna Della Porta, *Medicine, Surgery & Dentistry Dept., University of Salerno*  
Anna C. Berardi, *Spirito Santo Hospital Pescara*  
Paolo Remondelli, *Medicine, Surgery & Dentistry Dept., University of Salerno*  
Milena Fini, *Rizzoli Orthopaedic Institute, Bologna*  
Francesco Oliva, *Orthopaedic and Traumatology Dept., University of Rome Tor Vergata*  
Ernesto Reverchon *Industrial Engineering Dept., University of Salerno*  
Antonio Frizziero, *NeuroScience Dept., University of Padova*



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**08:30 Registration**

**09:00 Welcome & I.S.Mu.L.T presentation**

*Aurelio Tommasetti (Rector, University of Salerno)*

*Mario Capunzo (Director, Dip. Medicine, Surgery, Dentistry)*

*Nicola Cantone (Director, OO.R.R San Giovanni e Ruggi)*

*Nicola Maffulli (I.S.Mu.L.T President)*

**Chairpersons: Remondelli P., Della Porta G., Maffulli N.**

**10:00 Turning stem cells into tenocytes; an in vitro approach to improve in vivo understanding:**

*Nicholas Forsyth, Institute for Science & Technology in Medicine, Keele University, United Kingdom.*

**10:30 Muscle assessment by mean of 3D modeling and profiling:**

*Paolo Gargiulo, Institute for Biomedical and Neural Engineering, University of Reykjavík, Iceland.*

**11:00 On tendons bioengineering:**

*Giovanni Vozzi, Research Center "E. Piaggio", University of Pisa, Italy.*

**11.30 Coffee Break**

**Chairpersons: Giordano E., Forte A.M., Fini M..**

**12:00 Fibrosis: the source of all evil :**

*Enrico Avvedimento, Department of Molecular Medicine & Medical Biotechnology, University of Naples, Italy.*

**12:30 Genetics of Sports Injuries.**

*Nicola Maffulli (I.S.Mu.L.T President)*

**13.00 Discussion**





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**13:30 Lunch by Unisa Sapori**  
@Dept. of Medicine, Surgery and Dentistry

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**Chairpersons: Tramontano D., Oliva F., Berardi A.C., Reverchon E.**

**15:00 Sensing in tissue engineering: Review & Perspective.**

**Carlo Iorio**, Polytechnique de Bruxelles , Bruxelles, Belgium

**15:30 Stem cell differentiation for muscle regeneration.**

**Marco Vitale**, Dept. of Medicine & Surgery, University of Parma, Italy.

**16:00 Ultra-low Dose & Resolution  $\mu$ CT System for Tissue and Morphological Analysis.**

**David Rendon**, MILabs-Assing S.p.A.

**16:30 Multisensors Network & Data Analytics.**

**Pierluigi Ritrovato**, University of Salerno, Italy .

**17:00 Discussion & Closing Remarks**

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### **Venue**

**Aula delle Lauree**

Dip. di Medicina, Chirurgia e Odontoiatria,  
Via S. Allende, 84081 Baronissi (SA) Italy

### **General Information**

#### **Accreditation**

The workshop is aimed at orthopaedic surgeons, sports medicine and rehabilitation specialist, physiotherapists. Students of Medicine and Surgery & Physioterapy can collect one ADE credit for the participation. Student credits will be assigned only if the participant will attend the entire workshop and complete the evaluation test. CME accreditation was also requested.

#### **Certificate of Attendance**

A certification of attendance will be available at the registration desk.

#### **Language**

English is the official language

#### **Under the patronage of**

Dip. di Medicina, Chirurgia e Odontoiatria “Scuola Medica Salernitana”,  
University of Salerno ([www.unisa.it](http://www.unisa.it))

#### **Scientific Organizer**

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Nicola Maffulli

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