

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















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)



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..

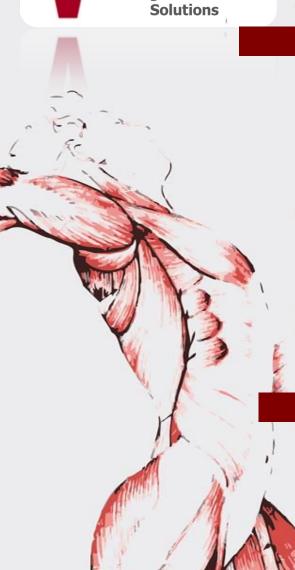
12:00 Fibrosis: the source of all evil:

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









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

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

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

<u>Carlo Iorio</u>, Polytechnique de Bruxelles , Bruxelles, Belgium

15:30 Stem cell differentiation for muscle regeneration.

<u>Marco Vitale</u>, Dept. of Medicine & Surgery, University of Parma, Italy.

16:00 Ultra-low Dose & Resolution μCT System for Tissue and Morphological Analysis. David Rendon, MILabs-Assing S.p.A.

16:30 Multisensors Network & Data Analytics. <u>Pierluigi Ritrovato</u>, University of Salerno, Italy.

17.00 Discussion & Closing Remarks





ISMULT: SCIENTIFIC WORKSHOP Musculoskeletal Tissue Engineering: Moving Towards New Solutions

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 & Phyisioterapy 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)

Scientific Organizer

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