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Pisa and Philadelphia Universities

## Progress in bioengineering

Sixth International Congress

Pisa (Italy), October 10th - 11th, 2006

Centro Polifunzionale A. Maccarrone  
Via S. Pellico

Organized by

DEPARTMENT OF REPRODUCTION AND AGEING  
INSEGNAMENTO DI SEMEIOLOGIA E METODOLOGIA CLINICA,  
U.O. DI ANDROLOGIA - PISA (ITALY)

UNIVERSITY OF PISA (ITALY)  
DEPARTMENT OF RADIATION ONCOLOGY,  
REXEL UNIVERSITY PHILADELPHIA, PENNSYLVANIA (USA)

FONDAZIONE INTERNAZIONALE MENARINI

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Tuesday, October 10th, 2006 - Wednesday, October 11th, 2006

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### SCIENTIFIC SECRETARIES:

A. Ahluwalia, D. De Rossi (Pisa, I), R. Giardino (Bologna, I), H.A. Richter (Aachen, D)

### Main

### Topics:

Regenerative Medicine  
Biomechanics  
Medical Devices

Lectures; panels; oral communications

### Tissue Engineering and Biomaterials

**A. Ahluwalia** (Pisa, I)

**G. Vozzi** (Pisa, I)

Technologies for Regenerative Medicine

**A. Ahluwalia** (Pisa, I)

**G. Vozzi** (Pisa, I)

Bioreactors for the study of endothelial cells in force fields

**T. Groth** (Halle, F)

Culture of endothelial cells on material surfaces: the role of extracellular matrix remodelling activity

**C. Ventura** (Bologna, I)

Affording high throughput cardiogenesis in human mesenchymal stem cells

**M. Morra** (Asti, I)

Coronary stent surface and endothelium

**L. Ambrosio** (Naples, I)  
Scaffolds for skeletal tissue regeneration

**R. Giardino** (Bologna, I)  
Osteoarticular tissue engineering

**C. Giordano, L. Visai, M.P. Pedferri, R. Chiesa, A. Cigada** (Milan, I)  
Antibacterial treatments on titanium for implantology

**H.A. Richter, S. Mueller-Kaempf** (Aachen, D), **R. Giardino** (Bologna, I)  
Development of a hernia mesh on base of glass fibres

**J. Vienken** (Usingen)  
Biocompatibility of hemodialytic membranes

**M. Bonadio** (Pisa, I)  
Modern strategies in the prevention of implant-associated infections

### **Medical Devices; Instruments and techniques**

**F. Lorussi, A. Tognetti** (Pisa, I)  
Wearable system for post stroke rehabilitation of the upper limb

**P. Scilingo, A. Lanatà** (Pisa, I)  
Wearable Low & high frequency acoustic systems

**C. Pappone** (Milan, I)  
Robotic navigation for treatment of arrhythmias

**N. Vanello, M.F. Santarelli, V. Positano, E. Ricciardi, P. Pietrini, L. Landini** (Pisa, I)  
Advanced data analysis in brain functional studies with Magnetic Resonance Imaging

**M.F. Santarelli, V. Positano, N. Vanello, L. Landini** (Pisa, I)  
Magnetic Resonance Spectroscopic signal processing for in vivo tissue metabolic studies

**W. Mokwa** (Aachen, D)  
Microsystem technologies for Epiretinal Implant

**F. Carpi, F. Tomei, D. De Rossi** (Pisa, I)  
Non-invasive recording electrode for electroretinography

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## **Wednesday, October 11th, 2006**

### **Satellite Symposia**

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17.30 Bus departure to Lucca

### **Presente e Futuro delle Cellule Staminali**

Organized by  
Il Centro Studi e Ricerche Calabresi 'G.Righi' di Lucca  
Auditorium Autorità di Bacino del Serchio - Palazzo Pretorio, LUCCA

Chairman: **R. Giardino** (Università di Bologna)

18.00 **G. De Gaudio** (Presidente Centro Studi e Ricerche Calabresi di Lucca)

Saluto ai partecipanti

**R. Faillace** (Dirigente Generale Dipartimento Tutela della Salute della Regione Calabria, Catanzaro)

Aspetti organizzativi e sociali: il modello calabrese

**P. Iacopini** (Direttore Centro Trapianto Midollo Osseo Azienda Ospedaliera, Reggio Calabria)

Aspetti Tecnici e Clinici

**S.E. M. Bianchi** (Vescovo della Diocesi di Volterra)

Aspetti Etici e Morali

Discussione

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## CALL FOR PAPERS

The scientific programme will consist of lectures, panels, oral presentations. Abstracts of works on the principal topics of the meetings (bioengineering, endothelial functions, endocrine and breast tumors, bone metastases) or all the related topics can be submitted to Prof. A. Carpi, Dipartimento di Medicina della Procreazione e dell' Età Evolutiva, Via Roma 67, 56126, Pisa, Italy before May 31, 2006. e-mail a. carpi@med.unipi.it  
Abstracts should be written in English.

## INSTRUCTION FOR ABSTRACT SUBMISSION

1) The abstract, 1 page, in the typed form and within a computer disc, must be received before May 31, 2006 by Prof. Angelo Carpi, Dipartimento di Medicina della Procreazione e dell' Età Evolutiva, Spedali Riuniti Santa Chiara, Via Roma, 67- 56126 PISA; tel-fax .050/992955; tel. 050/992955. Abstract must be sent also by e-mail to a.carpi@med.unipi.it by May 31, 2006.

2) Abstracts without registration fee will not be examined. The registration fee concerning abstracts not accepted will be refunded if the registered author immediately cancels his participation.

The abstracts accepted will be published in the International Journal Biomedicine & Pharmacotherapy.

All accepted contributions will be available at the meeting. The Scientific Secretaries will decide the journal in which to publish the full papers.

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## Under the Patronage of

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**General Organization**

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**Information**

**Prof. A. Carpi** (Pisa, I)

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