



UNIVERSITÀ DEGLI STUDI DI PAVIA  
DIPARTIMENTO DI BIOCHIMICA "A. Castellani"



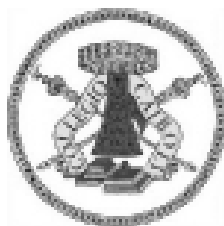
# **XXVIII Meeting of the Italian Society for the Study of Connective Tissues (SISC)**

<http://www.unipv.it/sisc>

**6-7 November 2008**

**Università degli Studi di Pavia**

**Collegio Cairoli, Piazza Collegio Cairoli 1- Pavia**



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***Con il patrocinio di:***

*Università degli Studi di Pavia*  
*Facoltà di Medicina e Chirurgia*  
*Facoltà di Scienze MM. FF. NN.*  
*Facoltà di Farmacia*

***Si ringraziano per la collaborazione:***

*Collegio Universitario Fratelli Cairoli - Università di Pavia*  
*Associazione ex Alunni Collegio Cairoli*

**NOVEMBER 6<sup>th</sup>, 2008**

**14.00 - 15.00      Registration**

**15.00 - 15.30      Opening Ceremony in memory of prof. Alessandro A. Castellani (1929 – 1988)**  
Prof. Angiolino Stella (Rector of the University of Pavia)  
Prof. Alberto Calligaro (Dean of the Faculty of Medicine)  
Prof. Lucio Toma (Dean of the Faculty of Sciences)  
Prof. Amedeo Marini (Dean of the Faculty of Pharmacy)

**TISSUE MINERALIZATION**

**Chair: C. Balduini, A. Ruggeri**

**15.30 – 16.15    CASTELLANI LECTURE**

**Biological Calcifications and Acid Proteoglycans: a New Solution to an Old Problem.**

E. Bonucci (Roma)

**16.15 – 16.30**

**Life of the Cavecells. Sketches of the Hard Tissues Populations**

U. Pazzaglia, C. Dell'Orbo, D. Quacci, T. Congiu (Brescia, Varese)

**16.30 - 16.45**

**On the Pathogenesis of Elastic Fiber Calcification in Patients with Beta-Thalassemia and with PXE-like Clinical Manifestations.**

G. Annovi, F. Boraldi, R. Tiozzo, D. Guerra, P. Cianciulli, F. Sorrentino, G.L. Forni, I. Pasquali-Ronchetti, D. Quaglino (Modena, Roma, Genova)

**16.45 – 17.15      Coffee Break**

**GENE EXPRESSION AND PROTEIN INTERACTIONS  
IN THE EXTRACELLULAR MATRIX**

**Chair: G. Cetta, A. Passi**

**17.15 – 17.30**

**Molecular Geometry of Collagen Fibril Anchorages to Decoran, Biglycan and Fibromodulin in Extracellular Matrices (ECMs).**

J.E. Scott, J. Bella, A. Eid, O. Antipova, J.P.R.O. Orgel (Manchester, Chicago)

**17.30 – 17.45**

**Gene Expression of *Xenopus Laevis* Versican Isoforms During Embryonal Development**

S. Campo, G. Nastasi, A. Avenoso, A. D'ascola, P. Traina, P. Casini, M. Ori, I. Nardi, R. Perris, V. Parisi, G.M. Campo, A. Calatroni (Messina, Pisa, Parma)

**17.45 – 18.00**

**Proteomic Characterization of Cultured Aged Human Dermal Fibroblasts**

F. Boraldi, G. Annovi, R. Tiozzo, D. Quaglino (Modena)

**18.00 – 18.15**

**Fibroblasts Enhance Proliferation and Invasion of Breast Cancer Cells (8701-BC)**

P. Cancemi, M.R. Marabeti, N.N. Albanese, F. Costantini, G. Di Cara, I. Pucci –Minafra (Palermo)

**18.15 – 18.30**

**Studies on the Post-Translational Modification of Hyaluronan Synthases (HAS)**

E. Karousou, M. Kamiryo, C.H. Heldin, P. Heldin (Uppsala, Varese)

**18.30 – 18.45**

**Human serum albumin sulphhydryl groups oxidation in plasma and atherosclerotic plaque extracts**

A.J. Lepedda, A. Zinellu, A. Cigliano, E. Zinellu, G. Marongiu, F. Piredda, M.A. Casu, P.P. Bacciu, C. Carru, M. Formato (Sassari)

**18.45 – 19.00**

**Direct GAG-Collagen Interaction: More Questions than Answers**

M. Raspanti, C. Dell'Orbo, M. Viola, R. Tenni, M.E. Tira (Varese, Pavia)

**19.00 – 20.00**    **SISC General Assembly**

**20.20**            **Social Dinner at Collegio Cairoli**

**NOVEMBER 7<sup>th</sup>, 2008**

**CONNECTIVE TISSUE DISEASES**

**Chair: A. Calatroni, I. Pasquali-Ronchetti**

**9.00 – 9.45 GOTTE LECTURE**

**Osteogenesis Imperfecta: Use of the BrtlIV Murine Model to Better Understand the Molecular Basis of OI and to Develop New Therapeutic Approaches**

A. Forlino (Pavia)

**9.45 – 10.00**

**Inflammation and Resolution in Cartilage: Involvement of Cox-2**

V. Ulivi, R. Cancedda, F. Descalzi Cancedda (Genova)

**10.00 – 10.15**

**Sulfation and Growth Parameters in the Epiphyseal Cartilage of a Murine Model of Diastrophic Dysplasia**

M. Facchini, B. Gualeni, A. Forlino, F. Pecora, A. Icaro-Cornaglia, F. Riva, M. Casasco, A. Calligaro, M. Viola, A. Passi, A. Lupi, R. Gioia, G. Cetta, R. Tenni, A. Rossi (Pavia, Varese)

**10.15 – 10.30**

**ABCC6 Mutations in Italian PXE Patients: an Update Describing Twenty-Two Novel Mutations**

D. Guerra, J. Roggiani, F. Panico, G. De Santis, D. Gheduzzi, D. Quaglino, I. Pasquali-Ronchetti (Modena)

**10.30 – 10.45**

**Correlation between ApoE Polymorphism and Severity of Cardiovascular Manifestations in Pseudoxanthoma Elasticum (PXE)**

I. Ronchetti, D. Gheduzzii, P. Tarugi, D. Guerra, J. Reggiani, F. Boraldi, G. Annovi, O. Vanakker, P. Couke, A. De Paepe, D. Quaglino (Modena, Gent)

**10.45 – 11.15**    **Coffee break**

**NEW INSIGHT AND PERSPECTIVE IN BIOMATERIALS**

**Chair: V. Ottani, D. Quacci**

**11.15 - 11.30**

**New Insights into the Implant Osteointegration Techniques**

A. Trirè, D. Martini, E. Orsini, V. De Pasquale, G. Giuliani Piccari, A. Ruggeri (Bologna)

**11.30 – 11.45**

**Strategies to Modified the Material Surface with Calcified Matrix**

E. Saino, V. Maliardi, L. Fassina, M. S. Sbarra, M. G. Cusella De Angelis, G. Magenes, F. Benazzo, L. Visai (Pavia)

**11.45 – 12.00**

**Histomorphometric Evaluation of Implant Design as a Factor Positively Influencing Peri-Implant Bone Response. A Pilot Study in Dog Lower Jaw**

E. Orsini, B. Bacchelli, A. Trirè, M. Macciocca, M. Quaranta, V. Ottani (Bologna)

**12.00 – 12.15**

**Improved Cell Growth by Bio-Oss/Pla Scaffolds as a Bone Substitute**

A. Asti, L. Visai, R. Dorati, B. Conti, E. Saino, M.S. Sbarra, G. Gastaldi, F. Benazzo (Pavia)

**12.15 – 12.30**

**Physically Augmented Coating of Macro-Rough Titanium Surface with Human Saos-2 Osteoblasts and Bone Matrix**

L. Fassina, E. Saino, L. Visai, G. Magenes (Pavia)

**12.30 – 12.45**

**Osteogenic Differentiation of Adipose Tissue-Derived Stem Cells Cultured on Trabecular Titanium Scaffolds**

A. Asti, G. Gastaldi, M.F. Scaffino, F. Benazzo (Pavia)

**13.00 – 14.30 Lunch**

**STROMA AND CANCER**  
**Chair: I. Pucci-Minafra, A. Ferlazzo**

**14.30 – 14.45**

**Tumor Microenvironment as Target in Cancer Prevention; Matrix Metallo-Proteases and Beyond**

F. Fasano, I. Sogno, A.R. Cantelmo, R. Cammarota, D.M. Noonan, A. Albinì (Milano, Varese)

**14.45 – 15.00**

**Contribution of Connective and Epithelial Tissue Components to the Morphological Organization of Canine Trichoblastomas**

G.A. Losa, G. De Vico, M. Cataldi, F. Carella, S. Beltraminelli (Locarno, Napoli, Messina)

**15.00 – 15.15**

**S-100 Calcium Binding Proteins as Potential Markers for Breast Cancer Metastasis**

I. Pucci-Minafra, P. Cancemi, G. Di Cara, N.N. Albanese, M.R. Marabeti, F. Costantini, R. Musso, P. Taormina, A. Marrazzo, S. Minafra (Palermo)

**15.15 – 15.30**

**Anti-Oncogenic Role of Decorin: Identification of New Markers.**

G. Di Cara, L. Minafra, P. Cancemi, N.N. Albanese, M.R. Marabeti, S. Feo, I. Pucci-Minafra (Palermo)

**15.30 – 15.45**

**Mitochondriotropic Resveratrol Derivatives Cytotoxic to Fast-Growing Cells**

L. Biasutto, A. Mattarei, A. Bradaschia, E. Marotta, M. Zoratti, C. Paradisi, S. Garbisa (Padova)

**15.45 – 16.00**

**Multiple Myeloma Cell Aggressiveness Is Restrained by Hyperforin**

V. Olivieri, S. Carraro, A. Bradaschia, C. Gattazzo, L. Trentin, A. Cabrelle, S. Garbisa (Padova)

**16.00 – 16.30 Coffee break**

**ENDOGENOUS AND EXOGENOUS MODULATORS OF CONNECTIVE TISSUES**  
**Chair: A. Rossi, D. Quaglino**

**16.30 – 16.45**

**Structure of Knee Medial Collateral and Patellar Ligament in Rat**

M. Macciocca, M. Quaranta, A. Dionisi, L. Leonardi, M. Franchi (Bologna)

**16.45 – 17.00**

**Chondroitin Sulphate, Heparan Sulphate And Hyaluronan Reduce Cytokine Production by Toll-Like Receptor-4 Modulation in Mouse Chondrocytes Stimulated with LPS**

A. D'Ascola, A. Avenoso, S. Campo, P. Traina, A. Calatroni, G.M. Campo (Messina)

**17.00 – 17.15**

**Endogenous Fibronectin Modulates Collagen-dependent Spreading and Proplatelet Formation by Human Megakaryocytes**

A. Malara, S. Badalucco, L. Visai, C. Gruppi, R. Tenni, M.E. Tira, C. Balduini, A. Balduini, A. Pecci, M. Raspanti (Pavia, Varese)

**17.15 – 17.30**

**Evaluation of Cellular Response of Breast Cancer Cells Grown on Distinctive Collagen Substrates.**

N.N Albanese, P. Cancemi, G. Di Cara, M.R. Marabeti, F. Costantini, I. Pucci –Minafra (Palermo)

**17.30 – 17.45**

**LDL Modulation of Hyaluronic Acid Secretion by Aortic Smooth Muscle Cells**

B. Bartolini, M. Viola, D. Vigetti, E. Karousou, P. Moretto, M. Clerici, A. Genasetti, M. Rizzi, G. De Luca, A. Passi (Varese)

**17.45 – 18.00**

**Energy Status of the Cell Regulates Hyaluronan Synthesis**

D. Vigetti, M. Clerici, E. Karousou, M. Viola, M. Rizzi, B. Bartolini, A. Genasetti, P. Moretto, G. De Luca, A. Passi (Varese)

**18.00 – 18.15**

**SPARC/BM-40/Osteonectin-Binding Sites on Fibrillar Collagens**

C. Giudici, N. Raynal, H. Wiedemann, R. Timpl, H.P. Bächinger, R.W. Farndale, T. Sasaki, R.Tenni (Martinsried, Pavia, Cambridge, Portland)

**18.15 End of the Meeting**