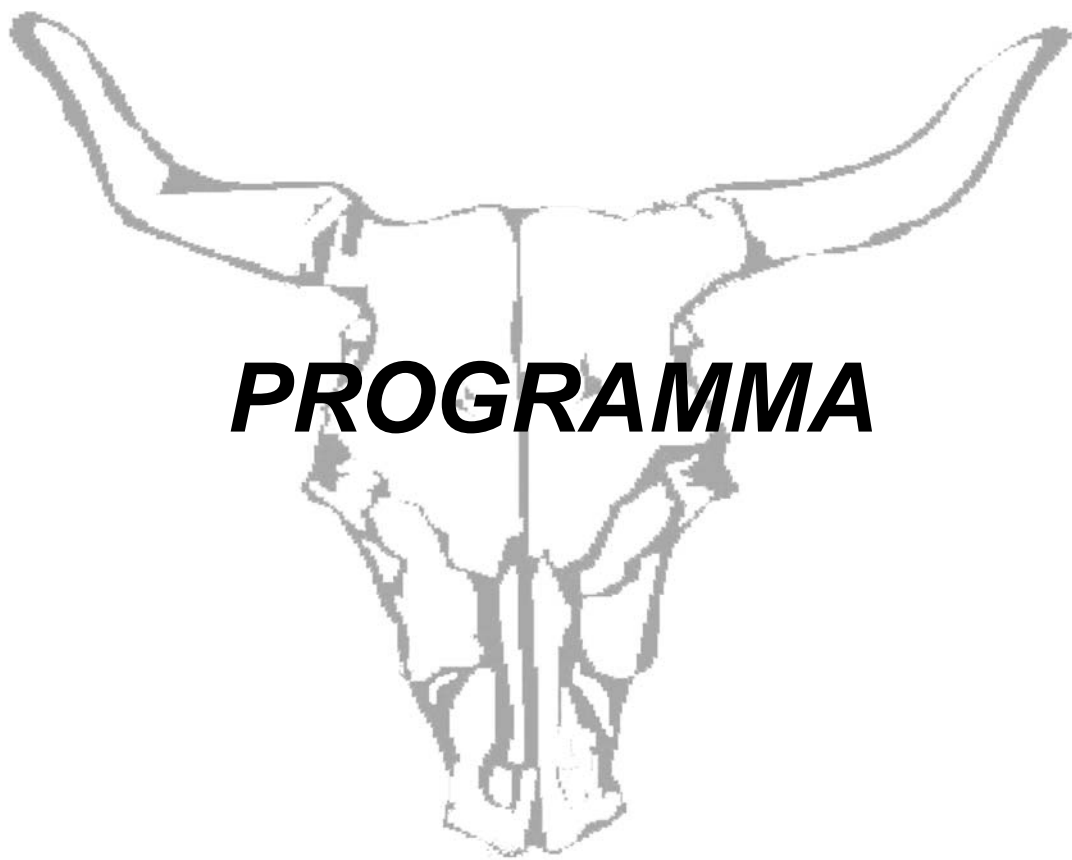




www.sisc.unimo.it

***XXVI Riunione
Società Italiana per lo Studio del Connettivo***



il "bucranio" simbolo dell'Università di Padova

26-27 ottobre 2006

***Università degli Studi di Padova
Complesso di Biologia "A. Vallisneri"
Viale G. Colombo 3***

Giovedì 26 ottobre

Aula Magna del *Complesso di Biologia “A. Vallisneri”*

- 14.30 Registrazione dei partecipanti e consegna del materiale per le proiezioni.
- 14.45 Benvenuto ai partecipanti e apertura del Convegno.

BIO-PATHOLOGY OF ECM GLYCANS

Moderatori: A. Ruggeri, R. Tenni

- 15.00 J.E. Scott
The tragic history of keratan sulphate, - but what does it do in cartilage and cornea?
- 15.15 D. Vigetti, M. Viola, M. Rizzi, A. Genasetti, E. Karousou, P. Moretto, G. Deluca, A. Passi.
Vascular smooth muscle cell aging and hyaluronan metabolism.
- 15.30 A. D'Ascola, A. Avenoso, S. Campo, P. Traina, D. Samà, A. Calatroni, GM. Campo.
TGF-1 β -induced hyaluronan production inhibits NF-kB translocation and caspases activation in human fibroblasts exposed to oxidative stress.
- 15.45 S. Pisanu, A. Zinellu, A.J. Lepedda, E. Zinellu, A. Cigliano, GM. Cherchi, S. Sotgia, C. Carru, L. Deiana, M. Formato.
New Capillary Zone Electrophoresis (CZE) method for glycosaminoglycan analysis.
- 16.00 N. Volpi, F. Maccari, L. Dainese, G.L. Polvani, F. Barili, F. Alamanni, M. Zanobini, M. Porqueddu, M. Agrifoglio, A. Guarino, B. Micheli, P. Biglioli.
Fine characterization of mitral valve glycosaminoglycans and their modification with degenerative disease.
- 16.15 P. Traina, A. Avenoso, G.M. Campo, A. Calatroni.
Urinary galactosamine-containing acid oligosaccharides.
- 16.30 A. Cigliano, S. Pisanu, A.J. Lepedda, E. Zinellu, M. Formato.
Structural analysis of glycosaminoglycans from fresh porcine aortic valves.
- 16.30 *Coffee break*

ECM METALLOPROTEASES

Moderatori: I. Pucci Minafra, D. Quaglino

- 17.00 A. Scotto d'Abusco, V. Calamia, C. Cicione, L. Politi, R. Scandurra.
Glucosamine and its N-Acetyl Phenylalanine derivative down-regulate metalloproteases production in chondrocytes by affecting MAP kinase phosphorylation.
- 17.15 M.R. Marabeti, P. Cancemi, P. Taormina, A. Marrazzo, I. Pucci-Minafra.
Matrix metalloproteinases monitoring during neoadjuvant breast cancer therapy. An ongoing study.
- 17.30 *Discussione*
- 18.00 *Assemblea dei soci SISC*
- 19.30 *Cena sociale*

Venerdì 27 ottobre

Aula Magna del Complesso di Biologia “A. Vallisneri”

ECM STRUCTURE*Moderatori: A. Calatroni, A. Passi*

- 09.00 G. Annovi, D. Gheduzzi, F. Boraldi, L. Schurgers, R. Tiozzo, D. Quaglino, I. Pasquali-Ronchetti. Is Matrix Gla Protein (MGP) a key regulator of elastic fiber calcification?
- 09.15 R. Guidetti, M.A. Croce, D. Gheduzzi, B. Parma, I. Pasquali Ronchetti, R. Tiozzo, D. Quaglino. Tropoelastin deposition in cultured human dermal fibroblast is affected by addition of heparan sulphate.
- 09.30 C. Gruppi, M. Sonaggere, A. Forlino, A. Rossi, ME. Tira, R. Tenni. Type I collagen has multiple binding sites for biglycan.
- 09.45 M. Quaranta, M. Raspanti, V. De Pasquale, E. Orsini, L. Leonardi, V. Ottani, M. Franchi. Fibrillar crimp as a function of collagen microfibrils in connective tissues.

BIOMATERIALS*Moderatori: I. Pasquali-Ronchetti, M. Raspanti*

- 10.00 L. Iop, V. Renier, G. Torregrossa, A. Gandaglia, M. Spina, A. Bonetti, G. Gerosa, S. Sartore, F. Ortolani, M. Marchini. Differentiation patterns of human mesenchymal cells after seeding on homograft-derived acellular pulmonary valve scaffolds.
- 10.15 E. Vecile, F. Ortolani, A. Bonetti, A. Gandaglia, M. Spina, M. Marchini, A. Dobrina. Decellularization and *in vivo* and *in vitro* repopulation with endothelial cells of porcine heart valve leaflets.
- 10.30 A. Trirè, M. Franchi, D. Martini, B. Bacchelli, V. De Pasquale, A. Ruggeri. Primary stability and biological fixation in endosseous dental implants.
- 10.45 Bonetti A., Contin M., Spina M., Marchini M., Ortolani F. Immunohistochemical localization of osteopontin and in-situ detection of interstitial cell apoptosis in aortic valve leaflets subjected to in-vivo experimental calcification
- 11.00 F. Naso, A. Gandaglia, F. Speronello, A. Trombin, M. Spina. Extracellular matrix composition and general conformation of porcine aortic and pulmonary root before and after decellularization process.
- 11.15 *Coffee break*

PROTEOMIC APPLICATIONS*Moderatori: V. Ottani, M. Spina*

- 11.45 I. Pucci Minafra, P. Cancemi, N.N. Albanese, G. Di Cara, S. Minafra. Proteomic modulation of neoplastic cells by extracellular matrix components.
- 12.00 F. Boraldi, G. Annovi, C. Paolinelli Devincenzi, R. Guidetti, R. Tiozzo, D. Quaglino. The response of confluent human dermal fibroblasts to serum deprivation investigated by proteome analysis.
- 12.15 F. Pecora, A. Forlino, B. Gualeni, A. Lupi, S. Giorgetti, L. Marchese, R. Tenni, G. Cetta, A. Rossi. Two dimensional gel electrophoresis of murine articular cartilage.
- 12.30 A.J. Lepedda, S. Pisanu, F. Carta, A. Pantaleo, F. Turrini, R. Spirito, G.M. Cherchi, M. Formato. Differential proteomic analysis of human atherosclerotic plaque extracts.
- 12.45 *Pranzo*

TUMOR INVASION AND ANGIOGENESIS

Moderatori: S. Garbisa, C. Balduini

- 14.00 I. Dell'Aica, R. Caniato, R. Niero, A. Cabrelle, R. Benelli, S. Garbisa.
The renaissance of *Hypericum perforatum*: a fresh look at its actions against inflammation, angiogenesis, and tumor invasion.
- 14.15 A. Genasetti, D. Vigetti, M. Viola, P. Moretto, E. Karousou, M. Rizzi, F. Pallotti, G. De Luca, A. Passi.
Involvement of Hyaluronan during *in vitro* angiogenesis of endothelial cells.
- 14.30 G. Di Cara, L. Minafra, N.N. Albanese, G. Fibbi, M. Pucci, M. Del Rosso, S. Feo, I. Pucci-Minafra.
Effects of endothelial cells on breast cancer cells in a co-culture system.
- 14.45 N.N. Albanese, L. Minafra, F. Carraro, A. Naldini, S. Feo, I. Pucci-Minafra.
Hypoxia influence on differential gene expression of 8701-BC cancer cells.

CONNECTIVE TISSUE DISEASES

Moderatori: M. Marchini, A. Rossi

- 15.00 E. Zinellu, S. Pisanu, A. Zinellu, A.J. Lepedda, A. Cigliano, R. Spirito, A. Guarino, G.M. Sanna, C. Carru, L. Deiana, M. Formato.
Structural analysis of plasma glycosaminoglycans in patients with atheromatous lesions.
- 15.15 F. Boraldi, G. Annovi, C. Paolinelli Devincenzi, D. Gheduzzi, R. Tiozzo, I. Pasquali-Ronchetti, D. Quaglino.
New insights on the pathogenesis of Pseudoxanthoma elasticum by proteome analysis.
- 15.30 C. Paolinelli Devincenzi, F. Boraldi, M.I. Garcia-Fernandez, G. Annovi, D. Quaglino, R. Tiozzo, D. Ceccarelli, P. Cianciulli, G.L. Forni, I. Pasquali-Ronchetti.
Fibroblasts from patients with β -thalassemia and Pseudoxanthoma elasticum-like clinical manifestations.
- 15.45 B. Gualeni, A. Rossi, V. Geoffroy, C. Marty-Morieux, A. Forlino, F. Pecora, A. Lupi, G. Cetta, P. Houillier, M.C. de Vernejoul.
Bone phenotype in a mouse model of diastrophic dysplasia
- 16.00 *Conclusioni*