

*Principali pubblicazioni scientifiche (ultimi tre anni)*

**METODOLOGIE DIDATTICHE/e-LEARNING**

“Continuous Learning Relaxing Time & Location Constraints In a Regular Curricula Degree Offered by University of Milan” - Giorgio Valle, Raffaella Folgieri. EDMEDIA Conference 2004

“Standard and ontologies perspectives in building and planning learning future” - Giorgio Valle, Raffaella Folgieri. EUROMEDIA Conference 2004

“A model for quality assessment in e-learning services” – Raffaella Folgieri and Giorgio Valle, accepted by ED-MEDIA 2005-World Conference on Educational Multimedia, Hypermedia & Telecommunications to be held in Montreal, Canada, June 27-July 2, 2005

“E-learning for University and Secondary School students.”

Francesco Epifania, Raffaella Folgieri, Università degli Studi di Milano, Dipartimento di Scienze dell'Informazione, accepted to the International Conference ICL2007 Villach, Austria (September 2007)

“A distance learning environment linking university and secondary school didactic.”

Francesco Epifania, Raffaella Folgieri, Università degli Studi di Milano, Dipartimento di Scienze dell'Informazione, accepted to the International Workshop on Distance Education Technologies San Francisco Bay , CA, USA (September 6 ~ September 8, 2007)

**BIOINFORMATICA E AI**

"Medical Applications of Digital Signal Processing and Computational Intelligence Techniques" - Alberto Bertoni, Raffaella Folgieri and Giorgio Valentini. Ensembles methods for the bio-molecular diagnosis of tumors. Submitted to the International Conference on Industrial Technology, IEEE ICIT'04 (Accepted).

"Random subspace ensembles for the bio-molecular diagnosis of tumors" - Alberto Bertoni, Raffaella Folgieri and Giorgio Valentini. Fourth International Workshop on Network Tools And Application in Biology (NETTAB 2004), University of Camerino.

"Feature selection combined with random subspace ensemble for gene expression based diagnosis of malignancies" - Alberto Bertoni, Raffaella Folgieri and Giorgio Valentini. CIBB 2004 International meeting on computational methods for bioinformatics and biostatistics (special session of WIRN 04 – XV).

“Bio-molecular cancer prediction with random subspace ensembles of Support Vector Machines” – Alberto Bertoni, Raffaella Folgieri, Giorgio Valentini, Neurocomputing 2004 © Elsevier

“Metodi basati su ensemble di learning machine per il supporto alla diagnostica bio-medica”, Seminario tenuto nel Dicembre 2005 nell’ambito del progetto Salute Africa, corso elettivo “La Scienza in piazza”, Dipartimento di Genetica, Facoltà di Medicina, Università Statale di Milano.

“Combined in-utero and juvenile exposure of mice to arsenate and atrazine in drinking water modulates the gene expression and clonogenicity of myeloid progenitors in bone marrow” - Graziella Cimino-Reale, Cristina Diodovich, Barbara Casati, Angelo Collotta, Roberta Brustio, Raffaella Folgieri, Libero Clerici, Laura Gribaldo and Erminio Marafante, Physical and Chemical Exposure and ECVAM Units, Institute for Health and Protection of Consumers, Joint Research Centre, 21020 Ispra, Italy. CASCADE Annual Meeting, Orvieto, Italy, 20-23 January 2005.

“Physiological and nutritional factors modulating the gene expression in the liver of mice exposed transparentary to arsenate” - Barbara Casati, Graziella Cimino-Reale, Angelo Collotta, Roberta Brustio, Raffaella Folgieri, Libero Clerici and Erminio Marafante. CASCADE Annual Meeting, Orvieto, Italy, 20-23 January 2005.

“Assessment of clusters reliability for high dimensional genomic data”. Bertoni, R. Folgieri, F. Ruffino, G. Valentini. BITS 2005, Bioinformatics Italian Society Meeting, Milano Italy, 2005

“Randomized maps to estimate clusters reliability for high dimensional genomic data”. Bertoni, R. Folgieri, F. Ruffino, G. Valentini. BITS 2005, Bioinformatics Italian Society Meeting, Milano Italy, 2005

“Bioinformatics methods analysing gene expression data from complex chemical exposure.”  
Raffaella Folgieri, Barbara Casati, Graziella Cimino-Reale, Erminio Marafante.  
1st International workshop on Modifiers of Chemical Toxicity: Implication for Human Health Risk Assessment. Poros, Greece, June 12-15, 2005

“*Sex as a major determinant of gene expression in tissues of mice exposed to arsenate*”  
Graziella Cimino-Reale, Barbara Casati, Roberta Brustio, Angelo Collotta, Raffaella Folgieri, Libero Clerici, and Erminio Marafante.  
1st International workshop on Modifiers of Chemical Toxicity: Implication for Human Health Risk Assessment. Poros, Greece, June 12-15, 2005

“Dietary proteins modulates the gene expression in mice chronically exposed to arsenate.”  
Barbara Casati, Graziella Cimino-Reale, Roberta Brustio, Angelo Collotta, Raffaella Folgieri, Libero Clerici and Erminio Marafante.  
1st International workshop on Modifiers of Chemical Toxicity: Implication for Human Health Risk Assessment. Poros, Greece, June 12-15, 2005

“The arsenic in mice as experimental model for risk modifiers.”  
Erminio Marafante, Graziella Cimino-Reale, Barbara Casati, Roberta Brustio, Angelo Collotta, Raffaella Folgieri, and Libero Clerici.  
1st International workshop on Modifiers of Chemical Toxicity: Implication for Human Health Risk Assessment. Poros, Greece, June 12-15, 2005.

“Clonogenicity and gene expression modulation in the bone marrow of mice chronically exposed to arsenic and atrazine.”  
Graziella Cimino-Reale, Cristina Diodovich, Barbara Casati, Angelo Collotta, Roberta Brustio, Raffaella Folgieri, Laura Gribaldo, and Erminio Marafante.  
EEMS2005 Annual Meeting of the European Environmental Mutagen Society "Environment and human genetic disease - Causes, mechanisms and effects." Kos Island, Greece, 3-7 July.

“Bio-molecular diagnosis through Random Subspace Ensembles of Learning Machines.”  
Bertoni Alberto, Folgieri Raffaella, Valentini Giorgio, CAPI2006, Milano, Italy

“An experimental comparison of Random Subspace and Random Projection Ensembles of Support Vector Machines for the classification of gene expression data.”  
Folgieri Raffaella, Bertoni Alberto, Valentini Giorgio, BITS2007, 26-28 Aprile 2007, Napoli, Italy

“Application of Multivariate Analysis, Support Vector Machines and Artificial Neural Network to the Processing of Nuclear Magnetic Resonance data of olive oil and fish oil samples for classification of geographic origin and discrimination between wild and farm fish.”

Folgieri Raffaella, Rezzi Serge, Masoum Saeed, Malabat Christophe, Jalali-Heravi Mehdi, Rutledge Douglas Neil, Axelson David E., Heberger Karoly, Mariani Carlo, Reniero Fabiano, Guillou Claude, BITS2007, 26-28 Aprile 2007, Napoli, Italy

“Multivariate analysis of NMR profiles of extra-virgin olive oils for the authentication of PDO olive oil”, R.M. Alonso-Salces<sup>1</sup>, R. Folgieri<sup>1</sup>, J.M. Moreno-Rojas<sup>1</sup>, M.V. Holland<sup>1</sup>, F. Reniero<sup>1</sup>, C.

Guillou<sup>1</sup>, K. Héberger<sup>2</sup>. <sup>1</sup>European Commission • DG Joint Research Centre • IHCP • PCE • MAST • Ispra, Italy. <sup>2</sup>Chemical Research Center • Hungarian Academy of Sciences • Budapest, Hungary. International BEAFOOD Conference, Budapest, September 2007.

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