



**2º CONGRESO  
ARGENTINO DE  
BIOINFORMÁTICA Y  
BIOLOGÍA  
COMPUTACIONAL**

**2011**

CÓRDOBA, 11 AL 13 DE MAYO

## Posters:

**3D Structure of pre-microRNAs from plants: Towards a functional consensus**

Humberto Debat, Daniel Ducasse

**A chemogenomics strategy to link *genes and chemical compounds for tropical disease pathogens***

María Paula Magariños, Santiago Carmona, and Fernán Agüero

**A computational approach for the study of ligand binding mode in exopolyphosphatase from *E. coli***

Cristhian Boetsch, Angela T. Lisa and Paola R. Beassoni

**A feedforward neural network model for predicting *Avena fatua* seedling emergence in the field**

Guillermo Chantre, Mariela Lodovichi, Anibal Blanco, Alberto Bandoni, Mario Sabbatini, Ricardo López, Mario Vigna, Ramón Gigón

**A novel tool to compare microarray data from different experiments**

Daniel G. Kurth, Lucas D. Daurelio, Elena G. Orellano, Luis Esteban

**A pipeline to analyze Affymetrix Gene 1.0 ST microarrays**

Germán González, Elmer Fernández

**Adaptively caching data structures in bioinformatic applications**

Barrueco Luis, Gutson Daniel

**Algorithms for population structure inference of molecular marker profiles**

Andrea Peña Malavera, Elmer Fernandez, Mónica Balzarini

**Analysis of co-expression and co-localization of antiproliferative proteins: effect of nsSNPs in posttranslational modification sites.**

Matías José Caldez, Gastón Alexis Barbero, Lucia Fagnoli, Heidi Gonzalez, Pedro Darío Zapata.

**Analysis of genetic variants in Porphyria: splicing regulatory sites, cosegregation of polymorphic variants and haplotype constructions. Risk assessment and diagnosis**

Valeria Marcucci, Gabriela Cerbino, Federico Colombo, Esther Gerez, Alcira Batlle, Victoria Parera, María Victoria Rossetti.

**Analysis of interactions interfaces of N-terminal domain of *P. aeruginosa* MutL using All Atom and Coarse Grained Molecular dynamics simulation.**

Virginia Miguel, Carlos E. Argaraña, Marcos A. Villarreal

**Analysis of putative biological role of conserved armadillo repeats proteins in *Arabidopsis thaliana***

María Gabriela Acosta, Sergio Luis Lassaga, Miguel Ángel Ahumada, Víctor Hugo Casco

**Analysis of the nucleotide sequence of *Rhinella arenarum*  $\beta$ -catenin**

Carolina D. Galetto, María F Izaguirre, Victoria Bessone, Víctor H Casco

**Argentinian Phytopathological Atlas: an index of plant diseases of cultivated and exploited native plants**

S. F. Nome, D. M. Docampo and L. R. Conci;

**Backbones Generator (Bbgen2)**

Hugo Arregui, Rodrigo Castaño, Lucía Lauría, Rafael Garabato, Elmer Fernández, Marcos Villarreal, Daniel Gutson

**Bioinformatic study of the interaction between human Gas protein and Taurine: Taurine as a possible molecule for alcoholism treatment**

Ximena Romo, Pamela Fernández, Jessica Moreno, Ramón Silva, Gonzalo Jaña, José Martínez, Daniela León, Francisco Rodríguez, Claudio Barrientos.

**BioPlat: A platform to discover and evaluate human cancer biomarkers**

Matías Butti, Ezequiel Lacunza, Ana S. Haedo, Martín C. Abba

**Biopp**

Hugo Arregui, Daniel Gutson

**Breathing dynamics and inherent flexibility in double stranded DNA.**

Ari Zeida, Sergio Pantano

**Cancer involved signaling pathways comparison using computed physicochemical proteins parameters**

Gastón Alexis Barbero, Matías José Caldez, Heidi Gonzalez, Lucia Fagnoli, Pedro Darío Zapata.

**CD region swap in Globins modifies heme coordination**

Ignacio Boron, Luciana Capece, Diana Wetzler, Axel Bidon-Chanal, Javier Luque, Marcelo Marti, Dario Estrin and Alejandro Nadra

**Clarkia breweri methyltransferase. A QM/MM study.**

Lucas A. Defelipe, Marcelo M. Marti and Adrián G. Turjanski