

Fernando Cardona Serrate

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Education

- Oct 2005 – Jun 2009* **University of Valencia**
Ph.D
Valencia, Spain
- Oct 2002 – Oct 2005* **University of Valencia**
Master in Molecular Biology
Valencia, Spain
- Oct 1993 – Sep 2002* **University of Valencia**
Degree in biochemistry, Specialty in molecular biology
Valencia, Spain
- Oct 1993 – Sep 2002* **University of Valencia**
Degree in food science and technology, Specialty in biotechnology
Valencia, Spain

Research Experience

- Sep 2006 – present* **Spanish National Research Council**
Institute of Biomedicine of Valencia, Department of Genomics and Proteomics
Valencia, Valencia, Spain
Senior Research Technician
- Jan 2003 – Sep 2006* **University of Valencia**
University of Valencia, Biochemistry and Molecular Biology
Valencia, Spain

Awards & Grants

- Jan 2002* Grant: FPU (training grant faculty)

Skills & Activities

<i>Skills</i>	Transcriptomics, Yeast Genetics, Cell Culture, Molecular Genetics, Proteins, RNA, Gene Expression, Nucleic Acids, Molecular Biology, Transcriptional Regulation, Molecular Modeling
<i>Languages</i>	English, Spanish, Italian
<i>Editorial Board Member</i>	International Journal of Biology Journal of Molecular Biology Research Genesis Journals
<i>Journal Referee</i>	PLoS ONE AFRICAN JOURNAL OF BIOTECHNOLOGY JSciMed-Biochemistry and Molecular Biology Computational Biology and Bioinformatics International Journal of Biology Journal of Molecular Biology Research
<i>Project evaluator</i>	RBUCE-UP project: Scientific expert evaluator of junior projects. Organizing: UniverSud, Paris, Francia. 2012

Journal Publications (*Corresponding author)

- Fernando Cardona*, Marta Tormos-Pérez, Jordi Pérez-Tur*: *Structural and functional in silico analysis of LRRK2 missense substitutions*. Molecular Biology Reports 04/2014; 41(4):2529-42.
- Fernando Cardona*, Marcel LÍ Del Olmo, Agustín Aranda: *Phylogenetic origin and transcriptional regulation at the post-diauxic phase of SPI1, in Saccharomyces cerevisiae*. Cellular & Molecular Biology Letters 05/2012; 17(3):393-407.
- Fernando Cardona, Helena Orozco, Sylvie Friant, Agustín Aranda*, Marcel-lí del Olmo: *The Saccharomyces cerevisiae flavodoxin-like proteins Ycp4 and Rfs1 play a role in stress response and in the regulation of genes related to metabolism*. Archives of Microbiology 04/2012; 193(7):515-525.
- Fernando Cardona, Jose Vicente Sánchez-Mut, Hernán Dopazo, Jordi Pérez-Tur*: *Phylogenetic and in silico structural analysis of the Parkinson disease-related kinase PINK1*. Human Mutation 04/2011; 32(4):369-78.
- Fernando Cardona, Agustín Aranda*, Marcel.lí del Olmo: *Ubiquitin ligase Rsp5p is involved in the gene expression changes during nutrient limitation in Saccharomyces cerevisiae*. Yeast 01/2009; 26(1):1-15.
- Fernando Cardona, Purificación Carrasco, José Enrique Pérez-Ortín, Marcel lí del Olmo*, Agustín Aranda: *A novel approach for the improvement of stress resistance in wine yeasts..* International Journal of Food Microbiology 03/2007; 114(1):83-91.

P. Ruiz, M.J. Ocio, F. Cardona, A. Fernández, M. Rodrigo, A. Martínez*: *Nature of the Inactivation Curves of Bacillus Pumilus Spores Heated Using Non - isothermal and Isothermal Treatments*. Journal of Food Science 07/2006; 67(2):776 - 779.

Conference Proceedings

- 1) International congress on research and innovation in neurodegenerative disease. Madrid, Spain. 23-24/09/2013. Organizing: CIBER ENFERMEDADES NEURODEGENERATIVAS (CIBERNED)
Fernando Cardona Serrate; Marta Tormos Pérez; Jordi Pérez Tur. "Structural and functional in silico analysis of LRRK2 missense substitutions".
- 2) National meeting: 6º foro CIBERNED. Madrid, Spain. 24-25/10/2012. Organizing: CIBERNED
Fernando Cardona Serrate; Vicente Andreu Fernández; José Félix Martí Massó; Adolfo López de Munain; Javier Ruiz; Jordi Pérez Tur. "Analysis of GIGYF2 in Basque population and systematic review of Parkinson-related coding variants".
- 3) National meeting: 4º foro CIBERNED. Santander, España. 16-18/12/2010. Organizing: CIBERNED
Fernando Cardona Serrate; Jose Vicente Sánchez Mut; Hernán Dopazo; Jordi Pérez Tur. "Phylogenetic and in silico structural analysis of the Parkinson disease related kinase PINK1".
- 4) Internationall Symposium on Protein Phosphorylation in Neurodegenerative Diseases. Valencia, Spain. 28-30/01/2010. Organizing: Fundación Centro de Investigación Príncipe Felipe.
Marta Tormos Pérez; Jordi Pérez Tur; Fernando Cardona Serrate. "In silico structural analysis of LRRK2 and effects of Parkinson-related mutations".
- 5) International congress: 2009 Yeast Genetics and Molecular Biology. Manchester, United Kingdom. 19-24/07/2009. Organizing: Genetics Society of America
Fernando Cardona Serrate; Marcel.lí del Olmo Muñoz; Agustín Aranda Fernández. "Transcriptional regulation by Flavodoxin-Like Proteins at the postdiauxic shift".
- 6) 9th International Conference ADPD 2009. Prague, Czech republic. 11-15/03/2009. Organizing: Alzheimer's and Parkinson's Diseases: Advances, Concepts and New Challenges
Fernando Cardona Serrate; Jose Vicente Sánchez Mut; Jordi Pérez Tur. "In silico analysis of PINK1 Parkinson related kinase: phylogenetic and structural approaches".
- 7) 9th International Conference ADPD 2009. Prague, Czech republic. 11-15/03/2009. Organizing: Alzheimer's and Parkinson's Diseases: Advances, Concepts and New Challenges
Beatriz Águeda Gómez; Juan Ureña Peralta; Vicente Herranz Pérez; Jordi Pérez Tur; Justo García de Yébenes; Fernando Cardona Serrate. "SEARCHING FOR THE GENE RESPONSIBLE FOR FAMILIAR PROGRESSIVE SUPRANUCLEAR PALSY: ANALYSIS OF FAM5C".
- 8) National meeting: 2º foro CIBERNED. Valencia, Spain. 12-15/12/2008. Organizing: CIBERNED
Beatriz Águeda Gómez; Juan Ureña Peralta; Vicente Herranz Pérez; Jordi Pérez Tur; Justo García

de Yébenes; Fernando Cardona Serrate. "Análisis del locus responsable de la parálisis supranuclear progresiva familiar".

9) National meeting: Reunión bienal de la Sociedad Española de Neurociencias. Valencia, España
Fecha de realización: 05-09/09/2007. Organizing: SOCIEDAD ESPAÑOLA DE NEUROCIENCIAS (SENC)

Fernando Cardona Serrate; Vicente Herranz Pérez; Jose Vicente Sanchez Mut; Jordi Pérez Tur. "Análisis bioinformático de la filogenia de la familia LGI".

10) XXIV International Specialized Symposium on Yeast. Castellón, Spain. 28/09/2006-02/10/2006
Organizing: International Association of Microbiological Societies . International Yeast Commission.

Fernando Cardona Serrate; Agustín Aranda Fernández; Marcel.lí del Olmo Muñoz. "Genetic improvement of Wine yeast stress resistance by promoter substitution".

11) International congress: 2006 Yeast Genetics and Molecular Biology. Princeton (New Jersey), USA. 25-30/07/2006. Organizing: Genetics Society of America

Fernando Cardona Serrate; Sylvie Friant; Marcel.lí del Olmo Muñoz; Agustín Aranda Fernández. "Transcriptional regulation of SPI1 gene at the postdiauxic shift".

12) International congress: Gene Transcription in Yeast. Gerona, Spain. 29/05/2004-03/06/2004.
Organizing: EURESCO (ESF)

Fernando Cardona Serrate; Marcel.lí del Olmo Muñoz; Agustín Aranda Fernández. "Transcriptional regulation of SPI1 gene during stationary phase".

Conferences

1) "Molecular Genetics of Parkinson's Disease". Event: World Day of Parkinson's Disease. 12/04/2013
Organizing: Asociación Parkinson Valencia. Valencia, Spain

2) "In silico análisis of PINK1 and LRRK2, two proteins involved in Parkinson's Disease". 21/01/2011
Organizing: Catholic University of Valencia

Teaching activity

1) Biochemistry-90 hours. Biology degree. 2004/2006. University of Valencia.

2) Food biotechnology- 30 hours. Biochemistry degree. 2004/2006. University of Valencia.

3) Gene expression regulation-2 hours. Master's degree. 2013. University of Valencia.

4) Nutrition-60 hours. Food Science degree. 2014. Polytechnic University of Valencia.

5) Supervision of final projects: Leire Almandoz Gil. Universidad Politécnica de Valencia. 01/02/2011 and Marta Tormos Pérez. Universidad Politécnica de Valencia. 05/11/2009