



Francisco García García

I am a statistician working in the Computational Genomics Institute of the Centro de Investigación Príncipe Felipe (CIPF) in Valencia, Spain. Currently, I am being part of Spanish National Bioinformatics Institute (INB)

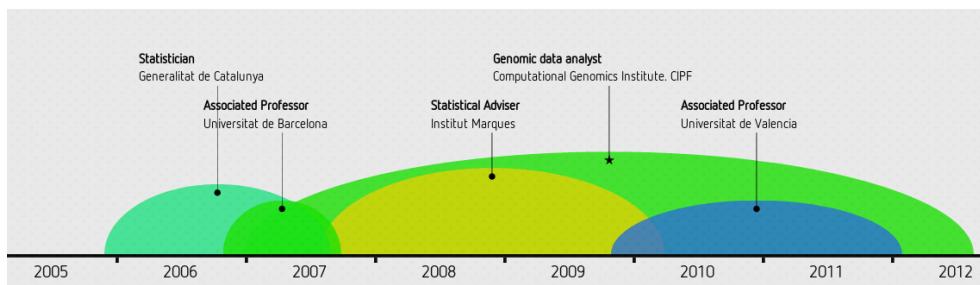
Research interests

Next Generation Sequencing and Microarray analysis
Software development for analysis and genomic data integration

Education

- 2012 **Master in Biostatistics**, *Universitat de Valencia*, Spain.
- 2005 **BSc in Statistical Techniques and Sciences**, *Universitat de Valencia*, Spain.
- 2001 **Diploma in Statistics**, *Universitat de Barcelona*, Spain.

Experience



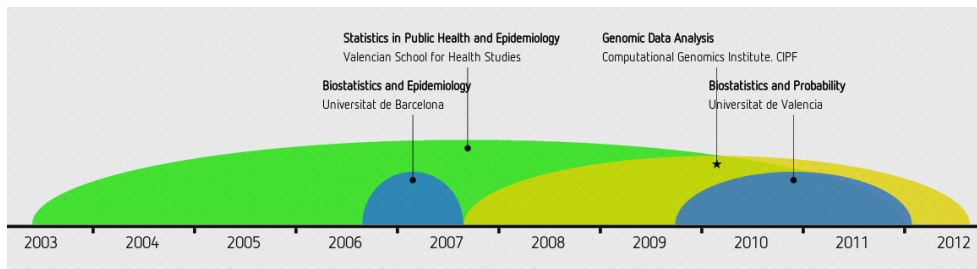
Languages

- English **intermediate level**
- French **basic level**
- Catalan **fluent level**
- Spanish **native**

Computer skills

Statistical software: R, SPSS, Stata
Operating Systems: Linux, Windows
Others: Bioinformatics tools, LaTeX

Teaching



Publications

*First Development, Characterization and Experimental Validation of Sunflower (*Helianthus annuus* L.) Gene Expression Oligonucleotide Microarray.* Authors: P. Fernandez, M. Soria, D. Blesa, J. Di Rienzo, S. Moschen, L. Peluffo, M. Rivarola, S. González, B. Clavijo, D. Príncipi, G. Dosio, L. Aguirrezaba, **F. García-García**, A. Conesa, H.E. Hopp, J. Dopazo, R.A. Heinz and N. Paniego. PLoS ONE. 2012; 7(10) Oct 26.

Expression profiling shows differential molecular pathways and provides potential new diagnostic biomarkers for colorectal serrated adenocarcinoma. Authors: Conesa-Zamora P, García-Solano J, **García-García F**, Del Carmen Turpin M, Trujillo-Santos J, Torres-Moreno D, Oviedo-Ramírez I, Carbonell-Muñoz R, Muñoz-Delgado E, Rodríguez-Braun E, Conesa A, Pérez-Guillermo. M. Int J Cancer. 2012 Jun 14.

IL-1 β induces migration, cell adhesion and leucocyte chemotaxis in mesenchymal stem cells through NF- κ B signaling pathway. Authors: Rubén Carrero, Inmaculada Cerrada, Elisa Lledó, Joaquín Dopazo, **Francisco García-García**, M. Paz Rubio, César Trigueros, Akaitz Dorronsoro, Amparo Ruiz-Sauri, Jose Anastasio Montero and Pilar Sepúlveda. Stem Cell Reviews and Reports. 2012 Mar 31.

Early Peroxisome proliferator-activated receptor gamma regulated genes involved in expansion of pancreatic beta cell mass . Authors: Yurena Vivas, Cristina Martínez-García, Adriana Izquierdo, **Francisco García-García**, Sergio Callejas, Ismael Velasco, Mark Campbell, Manuel Ros, Ana Dopazo, Joaquin Dopazo, Antonio Vidal-Puig and Gema Medina-Gomez. BMC Med Genomics. 2011 Dec 30;4(1):86.

Does singlet oxygen activate cell death in Arabidopsis cell suspension cultures?. Authors: Jorge Gutiérrez, Sergio González-Pérez, **Francisco García-García**, Óscar Lorenzo and Juan B. Arellano. Plant Signaling & Behavior. Volume 6, Issue 12, December 2011.

Early transcriptional defence responses in Arabidopsis cell suspension culture under high light conditions. Authors: Sergio González-Pérez, Jorge Gutiérrez, **Francisco García-García**, Daniel Osuna, Joaquín Dopazo, Óscar Lorenzo, José L. Revuelta and Juan B. Arellano. Plant Physiology. July 2011 vol. 156 no. 3 1439-1456.

Babelomics: an integrative platform for the analysis of transcriptomics, proteomics and genomic data with advanced functional profiling. Authors: Medina, Ignacio; Carbonell, Jose; Pulido, Luis; Madeira, Sara; Götz, Stefan; Conesa, Ana; Tarraga, Joaquín; Pascual-Montano, Alberto; Nogales-Cadenas, Ruben; Santoyo-Lopez, Javier; **García-García, Francisco**; Marba, Martina; Montaner, David; Dopazo, Joaquin. NAR-00461-Web-B-2010.R1.

Functional assessment of time course microarray data. Authors: María José Nueda, Patricia Sebastián, Sonia Tarazona, **Francisco García-García**, Joaquín Dopazo, Alberto Ferrer and Ana Conesa. BMC Bioinformatics 2009, 10(Suppl 6).

Direct functional assessment of the composite phenotype through multivariate projection strategies. Authors: Ana Conesa, Rasmus Bro, **Francisco García-García**, José Manuel Prats-Montalbán, Stefan Goetz, Karin Kjeldahl, David Montaner. Genomics. Volume 92, Issue 6. December 2008, pages 373-383.

GEPAS, web based tool for microarray data analysis and interpretation. Authors: Joaquín Tárrega, Ignacio Medina, José Carbonell, Jaime Huerta-Cepas, Pablo Minguez, Eva Alloza, Fátima Al-Shahrour, Stefan Goetz, Pablo Escobar, **Francisco García-García**, Ana Conesa, David Montaner and Joaquín Dopazo. NAR-00221-Web-B-2008.R1.

Prevalence of exposure to occupational risks in pregnant Spanish workers (the INMA Project-Valencia). Authors: M. Carmen González-Galarzo, Ana M. García, Marisa Estarlich, **Francisco García-García**, Ana Esplugues, Paz Rodríguez, Marisa Rebagliato, Ferran Ballester. Gaceta Sanitaria, 2009; 23(5): 420-426.

Health impact evaluation of particle air pollution in five Spanish cities. European APHEIS Project. Authors: Eva Alonso Fustel, Antonio Daponte Codina, Inmaculada Aguilera Jiménez, Silvia Toro Cárdenas, Carmen Iñiguez Hernández, Ferran Ballester Díez, **Francisco García-García**, Antoni Plasencia Taradach, Lucía Artazcoz Lazcano y Silvia Medina. Revista Española de Salud Pública, volume 79, number 2, 297, March-April 2005.

Last congress contributions

A. Bionformatics and Genomics

Transcriptome profiling in a delayed wound healing skin-humanized mouse model revealed genes implicated in extracellular matrix remodeling and collagen deposition. Authors: L Martínez-Santamaría, C Conti, **F García-García**, S Llames, L Retamosa, A Holguin. European Society for Dermatological Research. Sep 2012, Venice, Italy. Journal of Investigative Dermatology (2012), Volume 132.

Topical application of a film-forming medical device containing photolyase and UV filters in actinic keratoses: role of CPI-17 gene. Authors: J Puig-Butille, M Potrony, C Badenas, J Malveyh, C Trullas, **F García-García**, J Dopazo and S Puig. European Society for Dermatological Research. Sep 2012, Venice, Italy. Journal of Investigative Dermatology (2012), Volume 132.

Protein-protein interaction networks in cocultured melanocytes and keratinocytes regarding the genomic status of CDKN2A and MC1R genes. Authors: JA Puig-Butillé, G Tell, M Escamez, **F García-García**, L Martínez, C Badenas, J Dopazo, M Del Río, S Puig. European Society for Dermatological Research. Sep 2012, Venice, Italy. Journal of Investigative Dermatology (2012), Volume 132.

Sarcomere permanent morphometric changes underlie cardiac programming in intrauterine growth restriction. Authors: Torre I, Gonzalez-Tendero A, Garcia-Canadilla P, Crispi F, **Garcia-Garcia F**, Iruretagoyena I, Dopazo J, Amat-Roldan I, Gratacos E. FCVB (Frontiers in cardiovascular Biology)-EBAC. April 2012, London Cardiovascular Research (2012) 93 (Suppl.1), S25

Intrauterine growth restriction is associated with a maturation delay of cardiac energetic microdomains. Authors: A. Gonzalez-Tendero, I. Torre, **F. Garcia-Garcia**, J. Dopazo, E. Gratacos. FCVB (Frontiers in cardiovascular Biology)-EBAC. April 2012, London. Cardiovascular Research (2012) 93 (Suppl.1), S109.

Using high-throughput technologies to improve stress tolerance characteristics in sunflower. Authors: **Francisco García-García**, Paula Fernández, Ana Conesa, Norma Paniago, Ruth Heinz, Lucila Peluffo, Veronica Lia, Laura de la Canal, Karina F. Ribichich, Raquel Chan, Julio Di Rienzo and Joaquín Dopazo. XIth Spanish Symposium on Bionformatics. Jan 2012, Barcelona, Spain.

B. Teaching methods

Web applications in teaching statistics and analysis of genomic data. Authors: **Francisco García-García**, David Montaner. III Jornadas de Intercambio de Experiencias de Innovación Educativa en Estadística. Valencia. July 2012.

A proposal for the e-learning of mathematics: difference between presential and on-line. Authors: **Francisco García-García**, Araceli Giménez Lorente, José Luis Rodríguez Blancas. Hybrid Days Congress 2011.

C. Public Health and Epidemiology

Clinical implementation of MOSFET for daily in vivo measurements. Authors: S. Karthikeyan, N. Jornet, P. Carrasco, **F. García-García**, Vijay Anand P Reddy, D. Manigandan, T. Eudaldo, M. Ribas. ESTRO27 (European Society for Therapeutic Radiology and Oncology). 14-18 Sep 2008. Göteborg, Sweden. Journal of the European Society for Therapeutic Radiology and Oncology. Volume 88. Supplement 2. Sep 2008.

Differential pattern of mortality occurring outside the region of residence. Catalonia, 1986-2003. Authors: Puigdefàbregas A, **García-García, F**, Gispert R, Ribas G, Doménech J, Molina P. XXV Annual Scientific Meeting of the Spanish Society of Epidemiology. Córdoba, October 2007.

Indicators of child mortality by nationality of the mother, in Catalonia during the period 1999-2005. Authors: Nora Jareño, **Francisco García García**, A. Freitas Ramírez, P. Molina, Anna Puigdefàbregas, Rosa Gispert. XII Congreso de la Sociedad Española de Salud Pública y Administración Sanitaria. Gran Canaria, Spain. June 2007.

Mortality road accidents, Catalonia 1999-2004. Authors: Nora Jareño, **Francisco García García**, A. Freitas Ramírez, P. Molina, Anna Puigdefàbregas, Rosa Gispert. XXIV Annual Scientific Meeting of the Spanish Society of Epidemiology. Logroño, Spain. 3-6 October 2006.

Differences in mortality from traffic accidents, in the regions of Catalonia during the period 1985-2004. Authors: **Francisco García-García**, Anna Puigdefàbregas, Rosa Gispert. XXIV Annual Scientific Meeting of the Spanish Society of Epidemiology. Logroño, Spain. 3-6 October 2006.

Comparison of the basic cause of death assigned by the IRIS European System and the Spanish System. Authors: N Jareño, **F García-García**, A Freitas, A Puigdefàbregas, R Gispert. XXIV Annual Scientific Meeting of the Spanish Society of Epidemiology. Logroño, Spain. 3-6 October 2006.

Occupational exposures during pregnancy in the general population and immigrant women. Authors: A.M. García, M.L. Estarlich, **F. García-García**, R. Ramón, A. Esplugues, M. Rebagliato, F. Ballester. XXIV Annual Scientific Meeting of the Spanish Society of Epidemiology. Logroño, Spain 3-6 October 2006.

Health Impact Assessment of PM10 air Pollution on Postneonatal Mortality in 31 European Cities. Authors: Cambra Koldo, Alonso Eva, Medina Sylvia, Le Tertre Alain, Cassadou Sylvie, Pascal Laurence, Frank Florian, Díaz de Quijano Estela, Valero Nuria, Knudsen Lisbeth, López-Carrasco Laura, Schumann Michael, Atkinson Richard, **García-García Francisco**, Moshammer Hanns, Toro Silvia, Forsberg Bertil, Hurley Fintan, De Saeger Emile, Krzyzanowsky Michal on behalf of the APHEIS and ENHIS networks. International Conference on Environmental Epidemiology And Exposure, 2-6 September, 2006, Paris.