



# 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)*

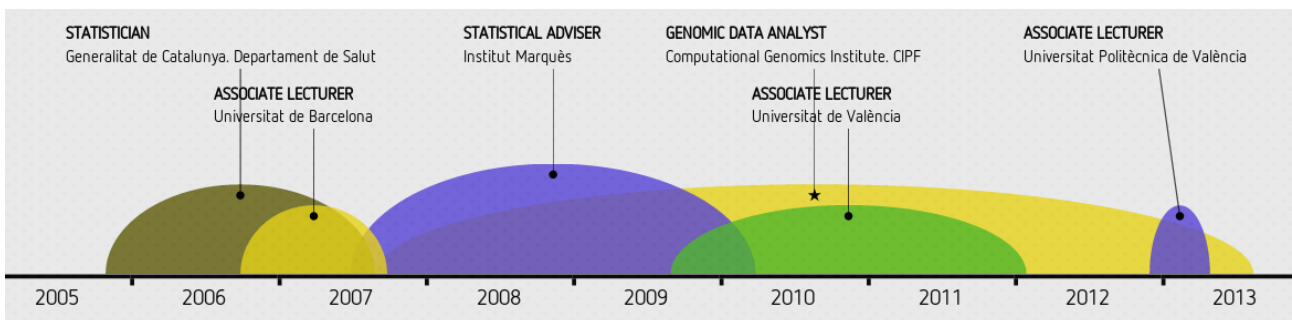
## Research interests

Next Generation Sequencing and Microarray data 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**

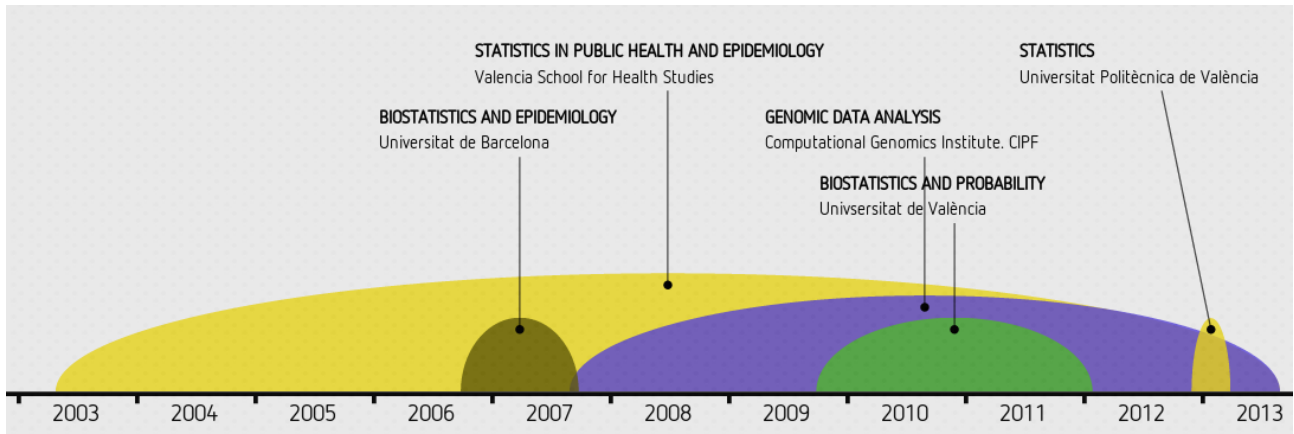
## Computer skills

Statistical software: **R, SPSS, Stata**

Operating Systems: **Linux, Mac OS X, Windows**

Others: **Bioinformatics tools, LaTeX, Bash**

## Teaching



## Last publications

### 2013

*Role of CPI-17 in restoring skin homeostasis in cutaneous field of cancerization: effects of topical application of a film-forming medical device containing photolyase and UV filters.* Authors: Puig-Butillé JA, Malvey J, Potrony M, Trullas C, **Garcia-García F**, Dopazo J, Puig S. *Experimental Dermatology*. Volume 22, Issue 7, 2013

*Grape antioxidant dietary fiber (GADF) inhibits intestinal polyposis in ApcMin/+ mice: relation to cell cycle and immune response.* Authors: Susana Sanchez-Tena; Daneida Lizarraga; Anibal Miranda; Maria Pilar Vinardell; **Francisco Garcia-Garcia**; Joaquin Dopazo; Josep Lluís Torres; Fulgencio Saura-Calixto; Gabriel Capella; Marta Cascante. *Carcinogenesis* 2013; doi: 10.1093/carcin/bgt140.

*Novel genes detected by transcriptional profiling from whole-blood cells in patients with early onset of acute coronary syndrome.* Authors: Vivian N. Silbiger, André D. Luchessi, Rosário D.C. Hirata, Lídio G. Lima-Neto, Débora Cavichioli, Angel Carracedo, Maria Brión, Joaquín Dopazo, **Francisco García-García**, Elizabete S. dos Santos, Rui F. Ramos, Marcelo F. Sampaio, Dikran Armaganijan, Amanda G.M.R. Sousa, Mario H. Hirata. *Clin Chim Acta*. 2013 Mar 24. pii: S0009-8981(13)00102-2. doi: 10.1016/j.cca.2013.03.011.

*Maslinic Acid-Enriched Diet Decreases Intestinal Tumorigenesis in ApcMin/+ Mice through Transcriptional and Metabolomic Reprogramming.* Authors: Susana Sánchez-Tena, Fernando J. Reyes-Zurita, Santiago Díaz-Moralli, Maria Pilar Vinardell, Michelle Reed, **Francisco García-García**, Joaquín Dopazo, José A. Lupiáñez, Ulrich Günther, Marta Cascante *PLoS One*. 2013;8(3):e59392. doi: 10.1371/journal.pone.0059392. Epub 2013 Mar 18.

*Web applications in teaching statistics and analysis of genomic data.* Authors: **Francisco García-García**, David Montaner González. Teaching statistics. Experiences of innovation. ISBN: 978-84-9858-872-9. Add Editorial. Pages: 201-209. Feb 2013.

## 2012

*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 $\beta$  induces migration, cell adhesion and leucocyte chemotaxis in mesenchymal stem cells through NF- $\kappa$ 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.

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## Last congress contributions

### A. Bionformatics and Genomics

*Role of *Erwinia amylovora* plasmids pEA29 and pEI70 on the expression of chromosomal genes during symptoms development.* 13th International Fire Blight Workshop 2.-5. July 2013, Zürich, Switzerland. Authors: Barbé S, **García-García F**, Conesa A, Cock P, Pritchard L, Hedley P, Morris J. López MM, Llop P.

*Cell-based therapy for diabetic wounds: from the bench to the patient.* 23rd conference of the European Wound Management Association (EWMA 2013). May 2013, Copenhagen, Denmark. Authors: L Martínez-Santamaría, C Conti, **F García-García**, S Llames, E García, L Retamosa, A Holguín, N Illera, JM Llana, J Dopazo, F Larcher, A Meana, M Del Río, MJ Escámez.

*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 Holguín. 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, **García-García 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. García-García**, 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 Bioinformatics. Jan 2012, Barcelona, Spain.

## B. Teaching methods

*Teaching Statistics to midwives in the Valencian Community.* I Jornadas Virtuales en Didáctica de la Estadística, Probabilidad y Combinatoria. Apr 2013. Author: **Francisco García-García**.

*Babelomics: a web-tool to learn Statistics in genomic data analysis.* I Jornadas Virtuales en Didáctica de la Estadística, Probabilidad y Combinatoria. Apr 2013. Authors: **Francisco García-García**, Martina Marbà, David Montaner.

*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 Puidefàbregas, Rosa Gispert. XII Congreso de la Sociedad Española de Salud Pública y Administración Sanitaria. Gran Canaria, Spain. June 2007.

*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.