Francisco García García

I am a biostatistician working in the Computational Genomics Department of the Prince Felipe Research Center (CIPF) in Valencia, Spain, where our goal is to apply translational bioinformatics to personalized medicine integrating genomic and clinical data.

Research interests

Statistical methods development for analysis and **omic data integration** from a Systems Biology perspective.

Software development that allow converting data produced by the new high-throughput technologies (NGS, proteomics, metabolomics) into valuable, meaningful biomedical information that can be used for diagnostic, and prognostic purposes.

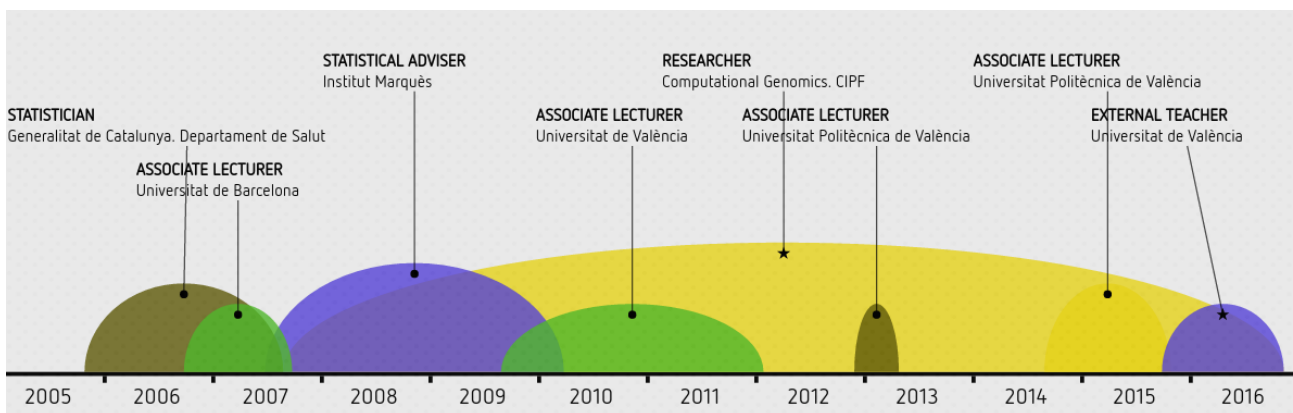Characterization of **genetic variation in human populations** by NGS.

Education

2016 **PhD in Biomedicine and Biotechnology**, *Universitat de València*, Spain.

2012 **Master in Biostatistics**, *Universitat de València*, Spain.

2005 **BSc in Statistical Techniques and Sciences**, *Universitat de València*, Spain.
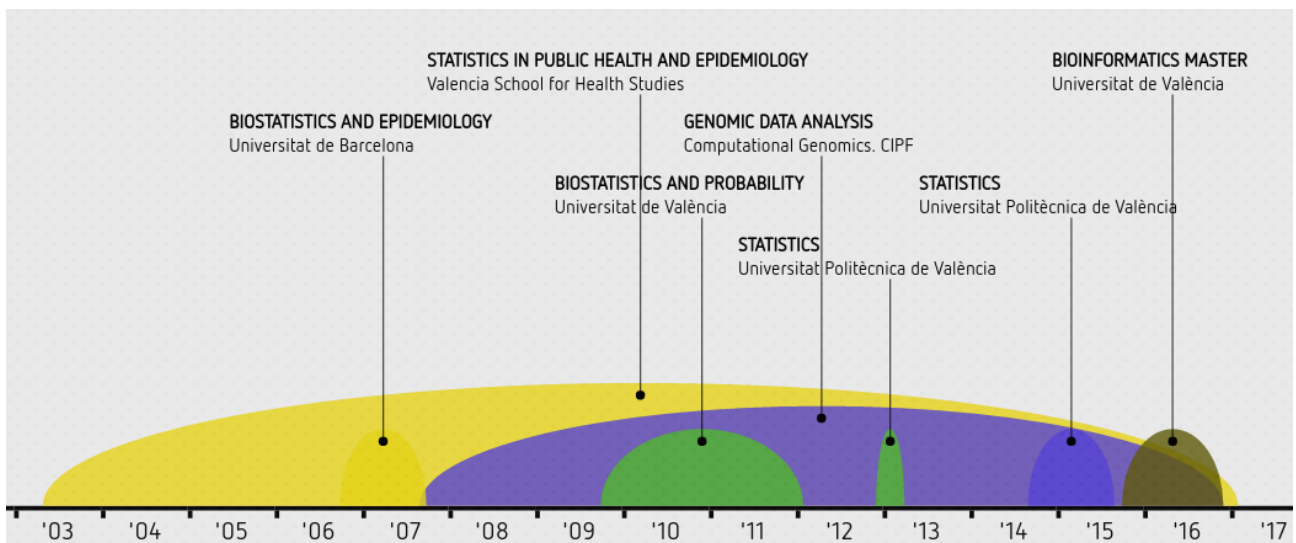.

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

Publications in 2016

1. *Genomic expression differences between cutaneous cells from red hair color individuals and black hair color individuals based on bioinformatic analysis.* P Gimenez-Xavier, A Visconti, J Nsengimana, **F García-García**, G Tell-Marti, MJ Escamez, J Newton-Bishop, V Bataille, M del Río, J Dopazo, M Falchi, Susanna Puig. Oncotarget. 2016 Dec. IF: 5.008, Q1.

2. *Mutations in TRAPPC11 are associated with a congenital disorder of glycosylation.* L Matalonga, M Bravo, C Serra Peinado, E García-Pelegrí, O Ugarteburu, S Vidal, M Llambrich, E Quintana, P Fuster-Jorge, MN Gonzalez-Bravo, S Beltran, J Dopazo, **F Garcia-Garcia**, F Foulquier, G Matthijs, P Mills, A Ribes, G Egea, P Briones, F Tort and M Girós. Human Mutation. 2016 Nov. DOI: 10.1002/humu.23145. IF: 5.089, Q1.

3. *Dysfunctional mitochondrial fission impairs cell reprogramming.* J Prieto, M Leon, X Ponsoda, **F García-García**, R Bort, E Serna, M Barneo-Muñoz, F Palau, J Dopazo, C Lopez, J Torres. Cell Cycle. 2016 Oct 18:0. DOI: 10.1080/15384101.2016.1241930. IF: 3.952, Q2.

4. *Identification of the Photoreceptor Transcriptional Co-Repressor SAMD11 as Novel Cause of Auto-*

somal Recessive Retinitis Pigmentosa. M. Corton, A. Avila-Fernández, L. Campello, M. Sánchez, B. Benavides, M. I. López-Molina, L. Fernández-Sánchez, R. Sánchez-Alcudia, L. R. J. da Silva, N. Reyes, E. Martín-Garrido, O. Zurita, P. Fernández-San José, R. Pérez-Carro, **F. García-García**, J. Dopazo, B. García-Sandoval, N. Cuenca C. Ayuso. Scientific Reports 6, Article number: 35370 (2016 Oct) doi:10.1038/srep35370. IF: 5.228, Q1.

5. *Gender differences in the inflammatory cytokine and chemokine profiles induced by binge ethanol drinking in adolescence*. M Pascual, J Montesinos , M Marcos, JL Torres, P Costa-Alba, **F García-García**, FJ Laso, C Guerri. Addiction Biology. 2016 Oct. IF: 4.547, Q1.

6. *Integrated Gene Set Analysis for microRNA Studies*. **Garcia-Garcia F**, Panadero J, Dopazo J, Montaner D. Bioinformatics 2016 Jun; doi: 10.1093/bioinformatics/btw334. IF: 5.766, Q1.

7. *The transcriptomics of an experimentally evolved plant-virus interaction*. J Hillung, **F García-García**,J Dopazo, J Cuevas, S Elena. Sci Rep. 2016 Apr 26;6:24901. doi: 10.1038/srep24901. IF: 5.228 , Q1.

8. *Serum metabolomic profiling facilitates the non-invasive identification of metabolic biomarkers associated with the onset and progression of non-small cell lung cancer*. Puchades-Carrasco, L., Jantus-Lewintre, E., Pérez-Rambla, C., **García-García, F.**, Lucas, R., Calabuig, S., Pineda-Lucena, A. Oncotarget. 2016 Feb 12. doi: 10.18632/oncotarget.7354. IF: 5.008, Q1.

9. *267 Spanish exomes reveal population-specific differences in disease-related genetic variation*. Dopazo J, Amadoz A, Bleda M, Garcia-Alonso L, Alemán A, **García-García F**, Rodriguez JA, Daub JT, Muntané G, Rueda A, Vela-Boza A, López-Domingo FJ, Florido JP, Arce P, Ruiz-Ferrer M, Méndez-Vidal C, Arnold TE, Spleiss O, Alvarez-Tejado M, Navarro A, Bhattacharya SS, Borrego S, Santoyo-López J, Antiñolo G. Mol Biol Evol. 2016 Jan 13, doi: 10.1093/molbev/msw005. IF: 13.649, Q1.

10. *Assessment of targeted next generation sequencing as a tool for the diagnosis of Charcot-Marie-Tooth disease and hereditary motor neuropathy*. V Lupo, **F García-García**, P Sancho, C Tello, M García-Romero, L Villarreal, A Alberti, R Sivera, J Dopazo, S Pascual-Pascual, C Márquez-Infante, C Casasnovas, T Sevilla, C Espinós. The Journal of Molecular Diagnostics. 2016 Jan. IF: 5.201, Q1.

11. *Differential features between chronic skin inflammatory diseases revealed in new psoriasis and atopic dermatitis skin-humanized mouse models*. Authors:M Carretero, S Guerrero-Aspizua, N Illera, V Galvez, M Navarro, **F García-García**, J Dopazo, J L Jorcano, F Larcher and M del Rio. Nucl. J Invest Dermatol. 2016 Jan;136(1):136-45. doi: 10.1038/JID.2015.362. IF: 6.915, Q1.

Full list of publications in **PubMed***.*

ResearchGate*,* **Linkedin***,* **ResearcherID** *(B-1929-2014).*