

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.

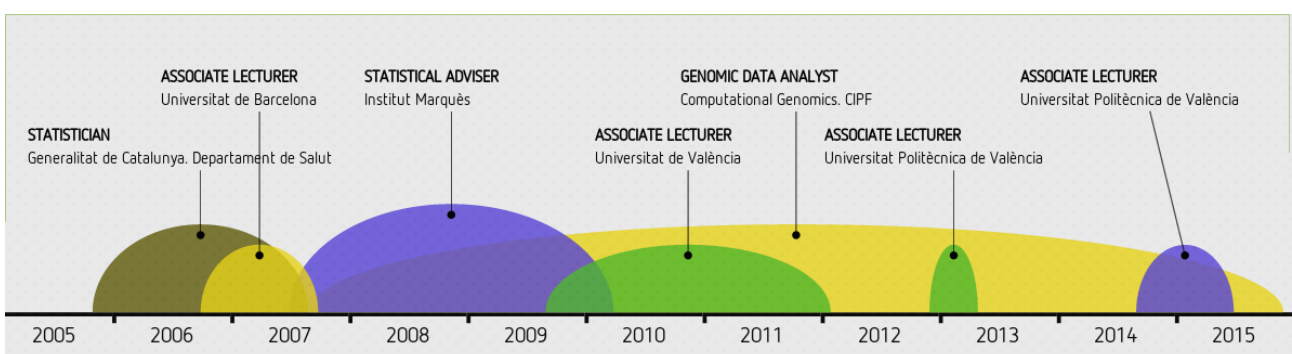
Education

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



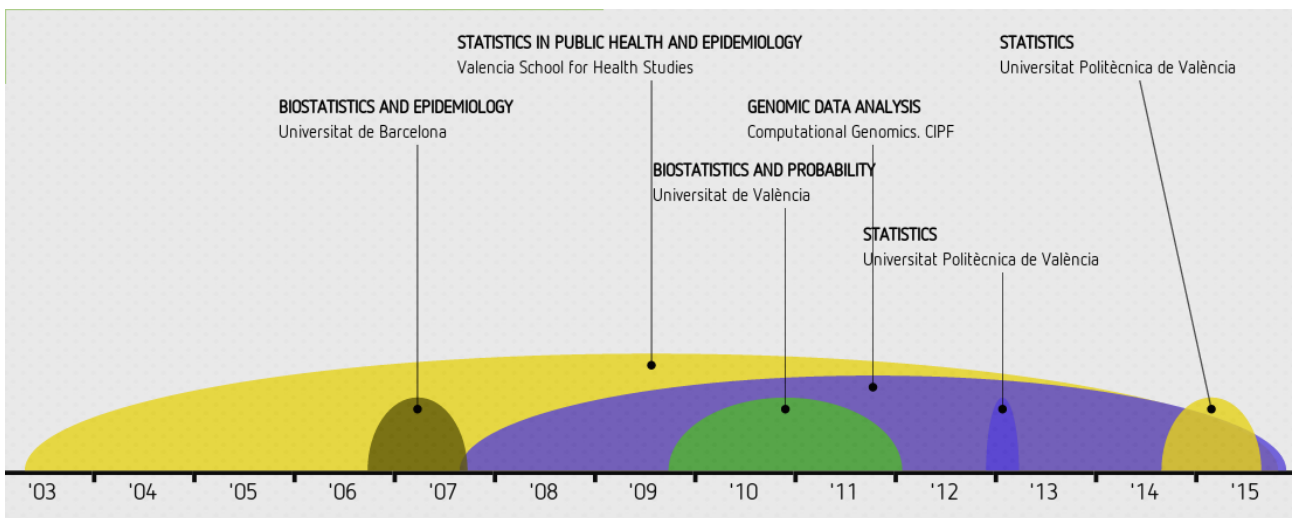
Languages

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

2016

267 Spanish exomes reveal population-specific differences in disease-related genetic variation. Authors: 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.

Assessment of targeted next generation sequencing as a tool for the diagnosis of Charcot-Marie-Tooth disease and hereditary motor neuropathy. Authors: 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 Casanovas, T Sevilla, C Espinós. *The Journal of Molecular Diagnostics.* Jan 2015.

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.

Screening of CD96 and ASXL1 in 11 patients with Opitz C or Bohring-Opitz syndromes. Authors: Urreizti R, Roca N, Trepát J, **García-García F**, Aleman A, Orteschi D, Marangi G, Neri G, Opitz JM, Dopazo J, Cormand B, Vilageliu L, Balcells S, Grinberg D. Am J Med Genet. DOI: 10.1002/ajmg.a.37418.

2015

Global transcriptome analysis of primary cerebrocortical cells: Identification of genes regulated by triiodothyronine in specific cell types. Authors: Gil-Ibañez P, **García-García F**, Dopazo J, Bernal J, Morte B. Cereb Cortex. 2015 Nov 2. pii: bhv273.PubMed PMID: 26534908.

Integrating transcriptomic and metabolomic analysis to understand natural leaf senescence in sunflower. Authors: Moschen, Sebastian; Bengoa Luoni, Sofía; Di Rienzo, Julio; Caro, Maria; Tohge, Takayuki; Watanabe, Mutsumi; Hollmann, Julien; González, Sergio; Rivarola, Máximo; **García-García, Francisco**; Dopazo, Joaquin; Hopp, H.; Hoefgen, Rainer; Fernie, Alisdair; Paniego, Norma; Fernández, Paula; Heinz, Ruth. Plant Biotechnology Journal 2015 Jul 1. doi: 10.1111/pbi.12422.

Deregulation of key signaling pathways involved in oocyte maturation in FMR1 premutation carriers with Fragile X-associated primary ovarian insufficiency. Authors: Alvarez-Mora MI, Rodriguez-Revenga L, Madrigal I, **García-García F**, Duran M, Dopazo J, Estivill X, Milà M. Gene. 2015 Jun 18. pii: S0378-1119(15)00748-9. doi: 10.1016/j.gene.2015.06.039.

Babelomics 5.0: functional interpretation for new generations of genomic data. Authors: Alonso R, Salavert F, **García-García F**, Carbonell-Caballero J, Bleda M, et al. Nucl. Acids Res. (2015) doi: 10.1093/nar/gkv384.

Whole Exome Sequencing Reveals ZNF408 as a New Gene Associated With Autosomal Recessive Retinitis Pigmentosa with Vitreal Alterations. Authors: A Avila-Fernandez; R Perez-Carro; M Corton; MI Lopez-Molina; L Campello; A Garanto; L Fernandez-Sanchez; L Duijkers; MA Lopez-Martinez; R Riveiro-Alvarez; L Rodrigues Jacy da Silva; R Sanchez-Alcudia; E Martin-Garrido; N Reyes; **F García-García**; J Dopazo; B Garcia-Sandoval; RW Collin; N Cuenca; C Ayuso. Human Molecular Genetics 2015; doi: 10.1093/hmg/ddv140.

BRCA1 alternative splicing landscape in breast tissue samples. Authors: Romero A, **García-García F**, López-Perolio I, Ruiz de Garibay G, García-Sáenz JA, et al. BMC Cancer, Apr 2015; 15. DOI: 10.1186/s12885-015-1145-9.

Full list of publications in PubMed.

Networks: *ResearchGate, LinkedIn, ResearcherID (B-1929-2014).*