Part A. PERSONAL INFORMATION

First Name *	Javier		
Family Name *	Perez Florido		
Sex *	Male	Date of Birth *	01/02/1982
ID number Social Security, Passport *	74695409B	Phone Number *	680242663
URL Web			
Email Address	jpflorido@gmail.com		
Researcher's identification number	Open Researcher and Contributor ID (ORCID) *		
	Researcher ID		
	Scopus Author ID		

* Mandatory

Part C. RELEVANT ACCOMPLISHMENTS

C.1. Most important publications in national or international peer-reviewed journals, books and conferences

AC: corresponding author. (nº x / nº y): position / total authors. If applicable, indicate the number of citations

1 **Scientific paper**. Francisco M. Ortuño; Carlos Loucera; Carlos S. Casimiro-Soriguer; et al; ;. (10/11). 2021. Highly accurate whole-genome imputation of SARS-CoV-2 from partial or low-quality sequences Giga Science. Oxfort Academic. 10-12, pp.1-11. ISSN 2047-217X.

2 **Scientific paper**. Maria Peña-Chilet; Gema Roldán; Javier Pérez-Florido; et al;. (3/33). 2020. CSVS, a crowdsourcing database of the Spanish population genetic variability Nucleic Acids Research. https://doi.org/10.1. ISSN 0305-1048.

3 **Scientific paper**. Carlos Sanchez Casimiro-Soriguer; Carlos Loucera; (AC); Daniel Lopez Lopez; Joaquin Dopazo. (3/5). 2019. Antibiotic resistance and metabolic profiles as functional biomarkers that accurately predict the geographic origin of city metagenomics samples Biology Direct. 14-15, pp.1-15.

4 **Scientific paper**. Abdelkrim Hmadcha; Nadia Cobo-Vuilleumier; Petra I. Lorenzo; et al; ;. (19/31). 2018. LRH-1 agonism favours an immune-islet dialogue which protects against diabetes mellitus Nature Communications. 9-1488. ISSN 2041-1723.

5 **Scientific paper**. M. López; Antonio Rueda; Javier P.Florido; et al;. (3/12). 2018. Evolution of the Quorum network and the mobilome (plasmids and bacteriophages) in clinical strains of Acinetobacter baumannii during a decade Scientific Reports. 8-2523. ISSN 2045-2322.

6 **Scientific paper**. M. López; A. Rueda; J. P.Florido; et al;. (3/16). 2016. Genomic evolution of two Acinetobacter baumannii (Ab) clinical strains from ST-2 clone (Ab ST-2_clon_2000 versus Ab ST-2_clon_2010) during a decade Genome Announcements. 4-5. ISSN 2169-8287.

7 **Scientific paper**. Joaquín Dopazo; Alicia Amador; Marta Bleda; et al; ;. (13/24). 2016. 267 Spanish exomes reveal population-specific differences in disease-related genetic variation Molecular Biology and Evolution. Oxford Journals. 33-5, pp.1205-1218. ISSN 1553-7390.

8 **Scientific paper**. José Manuel Mellado Gil; Carmen María Jiménez Moreno; Alejandro Martín Montalvo; et al; ;. (11/17). 2016. Pax4 preserves ER integrity preventing B-cell degeneration in type 1 diabetes mellitus Diabetologia. Springer. 59-4, pp.755-765. ISSN 0012-186X.

9 **Scientific paper**. Gema Labrador Herrera; Rocío Álvarez Marín; Rafael López Rojas; et al; ;. (7/9). 2016. Draft Genome Sequences of Eleven Multidrug-Resistant Acinetobacter baumannii Strains Isolated from Respiratory Samples in Spain Genome Announcements. 4-2. ISSN 2169-8287.

10 **Scientific paper**. SEQC/MAQC-III consortium. (111/162). 2014. A comprehensive assessment of RNA-seq accuracy, reproducibility and information content by the Sequencing Quality Control Consortium Nature Biotechnology. 32, pp.903-914. ISSN 1087-0156.

11 **Scientific paper**. O.Caba; J.Prados; R.Ortiz; et al; J.Pérez-Florido; A.Aránega. (10/14). 2014. Transcriptional profiling of peripheral blood in pancreatic adenocarcinoma patients identifies diagnostic biomarkers Digestive Diseases and Sciences. 59-11, pp.2714-2720. ISSN 0163-2116.

12 **Scientific paper**. Francisco J. Lopez Domingo; Javier P.Florido; Antonio Rueda; Joaquín Dopazo; Javier Santoyo Lopez. (2/). 2014. ngsCAT: a tool to assess the efficiency of targeted enrichment sequencing Bioinformatics. Oxford Journal. ISSN 1367-4803.

13 **Scientific paper**. J.P.Florido; Héctor Pomares; Ignacio Rojas; Alberto Guillén; Francisco Manuel Ortuño; Jose Miguel Urquiza. (1/). 2013. An effective, practical and low computational cost framework for the integration of heterogeneous data to predict functional associations between proteins by means of Artificial Neural Networks Neurocomputing. Elsevier Science bv. 121, pp.64-78. ISSN 0925-2312. WOS (2)

14 **Scientific paper**. Francisco M. Ortuño Guzmán; Olga Valenzuela; Fernando Rojas; Héctor Pomares; Javier P.Florido; Jose M. Urquiza; Ignacio Rojas. (5/). 2013. Optimizing multiple sequence alignments using a genetic algorithm based on three objectives: structural information, non-gaps percentage and totally conserved columns Bioinformatics. Oxford University Press. 29-17, pp.2112-2121. ISSN 1367-4803.

15 **Scientific paper**. Francisco Manuel Ortuño; Olga Valenzuela; Hector Pomares; Fernando Rojas; Javier P.Florido; Jose Miguel Urquiza; Ignacio Rojas. (5/). 2012. Predicting the accuracy of multiple sequence alignment algorithms by using computational intelligent techniques Nucleic Acids Research. OXFORD UNIV PRES. 41-1, pp.1-10. ISSN 0305-1048.

16 **Scientific paper**. Jose Miguel Urquiza Ortiz; Ignacio Rojas Ruiz; Hector Pomares Cintas; Luis Javier Herrera Maldonado; Javier Perez Florido; Olga Valenzuela; Mar Cepero Gonzalez. (5/). 2012. Using machine learning techniques and genomic/proteomic information from known databases for defining relevant features for PPI classification.Computers in Biology and Medicine. PERGAMON-ELSEVIER SCIENCE LTD. 42-6, pp.639-650. ISSN 0010-4825.

17 **Scientific paper**. F.Rojas; H.Pomares; A.M.Mora; J.P.Florido; M.G.Arenas. (4/). 2012. Teaching and learning results in laboratory work of Fundamentals of Computers Journal of Educational Experiences on Computer Engineering. Department of Computer Architecture and Computer Technology, University of Granada. 2, pp.3-12. ISSN 2173-8688.

18 **Scientific paper**. J.P.Florido; Héctor Pomares; Ignacio Rojas; Jose Miguel Urquiza; Miguel Ángel Lopez Gordo. (1/). 2012. A deterministic model selection scheme for incremental RBFNN construction in time series forecasting Neural Computing & Applications. Springer. 21-3, pp.595-610. ISSN 0941-0643.

19 **Scientific paper**. Octavio Caba; Raul Ortiz; Pablo Alvarez; et al; J.P.Florido;. (8/). 2012. Patented biomarkers of peripheral blood for the early detection of cancer Recent Patents on Biomarkers. Bentham Science Publishers. 2-1, pp.17-28. ISSN 2210-3090.

20 **Scientific paper**. Jose Miguel Urquiza Ortiz; Ignacio Rojas; Héctor Pomares; Luis Javier Herrera; J.P.Florido; Olga Valenzuela. (5/). 2012. Selecting negative samples for PPI prediction using hierarchical clustering methodology Jornal of Applied Mathematics. Hindawi Publishing Corporation. 2012, pp.1-23. ISSN 1110-757X.

21 **Scientific paper**. J.P.Florido; Héctor Pomares; Ignacio Rojas. (1/). 2011. Generating balanced learning and test sets for function approximation problems International Journal of Neural Systems. World Scientific Publ Co Pte Ltd. 21-3, pp.247-263. ISSN 0129-0657.

22 **Scientific paper**. H.Pomares; I.Rojas; A.Guillén; et al; J.P.Florido; S.Egea-Serrano. (6/). 2011. Development of an integrated framework for an elementary didactic computer Journal of Educational Experiences on Computer Engineering. Department of Computer Architecture and Computer Technology, University of Granada. 1, pp.43-50. ISSN 2173-8688.

23 **Scientific paper**. Miguel Ángel Lopez Gordo; Héctor Pomares; Francisco Pelayo; Jose Urquiza; Javier Perez Florido. (5/). 2009. Evidences of Cognitive Effects over auditory steady-state response by means of artificial neural networks and its used in brain-computer interfaces Neurocomputing. Elsevier Science. 72-16/18, pp.3617-3623. ISSN 0925-2312.

24 **Book chapter**. Luis Javier Herrera; Héctor Pomares; Ignacio Rojas; Ginés Rubio; Alberto Guillén; Javier Pérez Florido. (6/). 2010. Recursive Prediction for Long Term Time series Forecasting Forecasting models: methods & applications. iConcept Press. pp.125-144. ISBN 978-0-9807330-0-6.

25 **Innovación Docente**. Hector Pomares Cintas; Ignacio Rojas Ruiz; Alberto Guillen Perales; et al; ;. (6/). 2012. Development of an integrated framework with simulator, editor and inline assembler for an elementary didactic computer Teaching innovation and good practices in the University of Granada. University of Granada. 1, pp.749-758. ISBN 978-84-338-5400-1.

C.3. Research projects and contracts

1 **Project**. PE-0002-2018, Development of a decision support bioinformatic system in genomics medicine for treatment recommendation in cancer. Consejería de Salud de la Junta de Andalucía. Joaquin Dopazo Blazquez. (Clinical Bioinformatics Research Area, Fundación Progreso y Salud). 01/01/2019-31/12/2022. 196.586 €.

2 **Project**. Large-scale drug repurposing in rare diseases by genomic Big Data analysis with machine learning methods. Fundación BBVA. Joaquin Dopazo Blazquez. (Clinical Bioinformatics Research Area, Fundación Progreso y Salud). 30/04/2019-30/04/2021. 94.300 €.

3 **Project**. PT17/0009/0006, Functional Genomics Node GN3, Bioinformatics National Institute. Instituto de Salud Carlos III. Joaquin Dopazo Blazquez. (Clinibial Bioinformatics Research Area, Fundación Progreso y Salud). 01/01/2018-31/12/2020. 97.812 €.

4 **Project**. MINECO SAF2017-88908-R, A systems medicine approximation based on cellular processes to insigh mechanisms of complex diseases. Ministerio de Economia y Competitividad. Joaquin Dopazo Blazquez. (Clinical Bioinformatics Research Area). 01/01/2018-21/12/2020. 193.600 €.

5 **Project**. SALUD-201899903315170-TRA, Validation of Next Generation Sequecing technology as a tool for treatment recommendation in lung cancer and development of bioinformatic system for the management of genomic data. Consejería de Salud de la Junta de Andalucía. Joaquin Dopazo Blazquez. (Clinical Bioinformatics Research Area, Fundación Progreso y Salud). 01/11/2018-30/10/2020. 115.000 €.

6 **Project**. PI-0384-2017, Optimization of new molecular genetics and embriology methodologies and their implementation in the preimplantation genetic diagnosis program. Raquel Fernandez Garcia. (Hospital Virgen del Rocio). 2017-2019. 59.971,64 €.

7 **Project**. P12-TIC-2082, Advanced computing systems in Bioinformatics and Biotechnology. Consejería de Economía, Innovación, Ciencia y Empleo de la Junta de Andalucía. Ignacio Rojas Ruiz. (University of Granada). 30/01/2014-30/01/2018. 212.990 €.

8 **Project**. PI13/01560, Identification of new genes responsible for Hirschsprung disease and Thyroid cancer and study of the related pathogenic mechanisms. Instituto de Salud Carlos III. Salud Borrego Lopez. (INSTITUTO DE BIOMEDICINA DE SEVILLA). 01/01/2014-31/12/2016. 250,77 €. Team member. Bioinformatics analyst (NGS and microarray data)

9 **Project**. PI-0445-2013, Development of an NGS data analysis system for the diagnosis of mutations associated with retinal dystrophy. Consejería de Igualdad, Salud y Políticas Sociales, Junta de Andalucia. Alicia Vela Boza. (Genomics and Bioinformatics Platform of Andalusia (GBPA)). 01/01/2014-21/11/2014. 35.548,12 €. Team member.

10 **Project**. P09-TIC-175476, High performance computing in Bioinformatics and Biomedicine by means of intelligent systems. Andalusian Goverment. Ignacio Rojas Ruiz. (Department of Computer Architecture and Computer Technology, University of Granada). 03/02/2010-02/02/2014. 194.360,68 €. Team member. Development / application of intelligent systems for the construction of protein networks by means of the integration of heterogeneous biological data sources

11 **<u>Project</u>**. SAF2010-20558, Development of advanced intelligent systems in high performance computing environments. Application to bioinformatics and biomedicine. Spanish Science and Innovation Ministry. Ignacio Rojas Ruiz. (Department of Computer Architecture and Computer Technology, University of Granada). 01/01/2011-31/12/2013. 181.500 €. Team member. Development / application of intelligent systems for the construction of protein networks by means of the integration of heterogeneous biological data sources.

12 **<u>Project</u>**. TIN2007-60587, High performance computing for intelligent systems. Appication to approximation, classification, optimization and prediction problems. Spanish Ministry of Science and Education. Ignacio Rojas Ruiz. (Department of Computer Architecture and Computer Technology, University of Granada). 01/12/2008-30/09/2010. 212.960 €. Team member. Development / application of intelligente systems (artificial neural networks, support vector machines, evolutionary algorithms) to function approximation and time series prediction problems

13 **<u>Contract</u>**. Medical Genome Project   Consejería de Salud, Junta de Andalucia; Roche Diagnostics, S.L.; Ministerio de Economía y Competitividad. Joaquín Dopazo Blázquez. (Centro Andaluz de Secuenciación Genómica Humana (CASEGH)). 16/04/2012-15/02/2014.

14 **<u>Contract</u>**. Development of a model based on global gene expression profiling as an approximation to the prognosis of pancreatic adenocarcinoma   Jose Carlos Prados Salazar. 2010-01/01/2013.

15 **<u>Contract</u>**. Technological platform for remote terminal units   Hector Pomares Cintas. From 01/10/2006. 50.500 €.