CONTACT

+34 679065069

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LinkedIn, ResearchGate & GitHub

8 Puerto de la cruz Square, Madrid, Madrid, Spain

SKILLS

- Bioinformatics & Biostatistics
- Data Science
- Data Visualization
- Statistical Data Analysis
- Bayesian Statistics
- Survial Analysis
- Epidemiology & Causality
- Artificial Inteligence
- Machine & Deep Learning
- Computer Vision
- Microbiome Analysis
- Omics Data Analysis
- Linux, R & Python scripting
- Nextflow & Snakemake
- SQL & NoSQL
- HPC computing
- GitHub
- Sotfware development
- Writing & presentation skills

LANGUAGES

- Spanish (native)
- English (full professional)

PABLO VILLOSLADA-BLANCO

BIOINFORMATICIAN & BIOSTATISTICIAN

PROFESSIONAL PROFILE

I am a Bioinformatician & Biostatistician with a PhD in Biomedical and Biotechnological Sciences and 7+ years experience. Creative, sharp-minded person with leadership & coaching skills. Strong time-management skills and work ethic. Revenue- and results-driven.

WORK EXPERIENCE

Postdoctoral Research Assistant
July 2023 - October 2024 & October 2024 - Present

Spanish National Cancer Research Center (CNIO), Madrid, Madrid, Spain & Centro de Investigación Biomedica en Red (CIBER) Cáncer, Madrid, Madrid, Spain

Artificial Intelligence applied to pancreatic ductal adenocarcinoma detection and characterization. Microbiota analysis. Spatial transcriptomics analysis.

PhD Researcher
November 2022 - March 2023

Center for Biomedical Research of La Rioja (CIBIR), Logroño, La Rioja, Spain

Microbiota analysis.

PhD Student & Doctoral stays
October 2018 - September 2022

Center for Biomedical Research of La Rioja (CIBIR), Logroño, La Rioja, Spain & Laboratory of Viral Metagenomics, Rega Institute, KU Leuven, Belgium

Characterization of the intestinal baterioma and viroma of HIV-infected patients: relationship with their inflammatory state and cardiovascular risk. DNA and RNA extraction and sequentiation from human faeces and bioinformatic analysis.

EDUCATION

PhD in Biomedical and Biotechnological Sciences
University of La Rioja (UR), Logroño, La Rioja, Spain

Grade: "Cum laude", International Doctorate Mention, and Extraordinary Doctorate Award.

Master in Bioinformatics and Computational Biology
Autonomous University of Madrid (UAM), Madrid, Madrid, Spain

Grade: 9.36 / 10 and Distinction with Honors in the Master's Thesis

Master in Biostatistics
Complutense University of Madrid (UCM), Madrid, Madrid, Spain

Grade: 9.74/10

Master in Artificial Intelligence and Deep Learning
University of Alcala (UAH), Madrid, Madrid, Spain

In progress

Master in Chemistry and Biotechnology
University of La Rioja, Logroño, La Rioja, Spain

Grade: 9.07 and Extraordinary award for the best academic record

Degree in Biochemistry
Autonomous University of Madrid (UAM), Madrid, Madrid, Spain

Grade: 8.41

Specialization courses
Machine Learning and Deep Learning Specializations, DeepLearning.AI

Epidemiology for Public Health, Imperial College London

A Crash Course in Causality: Inferring Causal Effects from Observational Data, University of Pennsylvania

The Complete Quantum Computing Course for Beginners, Packt

Accelerated drug discovery using AI, Udemy

Nextflow: and introduction, EMBL-EBI and Snakemake, University of Oxford

HONORS AND AWARDS

First prize for the best Master's Thesis at the 6th Datathon of the 9th Bioinformatics Conference, Universidad de Granada, April 2025.

Extraordinary Award for the best academic record, University of La Rioja (UR), May 2019.

Award for the best communication, Sociedad Española de Enfermedades Infecciosas y Microbiología Clínica (SEIMC), June 2022.

"Cum Laude" Mention and International Doctorate Mention, University of la Rioja (UR),December 2022.

Finalist in 2023 of the "Tesis en 3 minutos" Contest of Campus Iberus, Campus Iberus, Oct 2023.

Distinction with Honors for the Master's Thesis, Autonomous University of Madrid (UAM), February 2024.

Talento Joven Riojano 2024, Radio Rioja - Cadena SER, December 2024.

Extraordinary Doctorate Award, University of La Rioja (UR), February 2025.

LEADHERSHIP

Ambassador of the European Association for Cancer Research (EACR).

Advisor at Nucleate Spain.

Scientific papers

Ochoa-Callejero Laura et al. (2021) 'Circulating Levels of Calcitonin Gene-Related Peptide Are Lower in COVID-19 Patients', Journal of Endocrine Society, 5(3):bvaa199.
Villoslada-Blanco Pablo et al. (2021) 'Lights and Shadows of Microbiota Modulation and Cardiovascular Risk in HIV Patients', International Journal of Environmental Research and Public Health, 18(13):6837.
Íñiguez María et al. (2021) 'ACE Gene Variants Rise the Risk of Severe COVID-19 in Patients With Hypertension, Dyslipidemia or Diabetes: A Spanish Pilot Study', Frontiers in Endocrinology, 12:688071.
Villoslada-Blanco Pablo et al. (2022) 'Integrase Inhibitors Partially Restore Bacterial Translocation, Inflammation and Gut Permeability Induced by HIV Infection: Impact on Gut Microbiota', Infectious Diseases and Therapy, 11(4): 1541-1557.
Cruz Raquel et al. (2022) 'Novel genes and sex differences in COVID-19 severity'. Human molecular genetics, 31(22).
Villoslada-Blanco Pablo et al. (2022) 'Impact of HIV infection and integrase strand transfer inhibitors-based treatment on the gut virome', Scientific Reports, 12(1):21658.
Pairo-Castineira Erola et al. (2023) 'GWAS and meta-analysis identifies 49 genetic variants underlying critical COVID-19', Nature, 617(7962):764-768.
Alemany-Navarro María et al. (2023) 'Psychiatric polygenic risk as a predictor of COVID-19 risk and severity: insight into the genetic overlap between schizophrenia and COVID-19'. Translational psychiatry, 13(1), 189.
Castro-Santos Patricia et al. (2023) 'HLA-A*11:01 and HLA-C*04:01 are associated with severe COVID-19', HLA, 102(6):731-739.
Villoslada-Blanco Pablo et al. (2023) 'Beyond the effects of HIV infection and integrase inhibitors-based therapies on oral bacteriome', Scientific Reports, 13(1):14327.
Pérez-Jurado Luis A et al. (2024) 'Clonal chromosomal mosaicism and loss of chromosome Y in elderly men increase vulnerability for SARS-CoV-2', Communications Biology, 7(1):202.
Esther María et al. (2024) 'Worldwide distribution of genetic factors related to severity of COVID-19 infection'. Annals of human biology, 51(1).
García Navas Patricia et al. (2024) 'Composition of the microbiota in patients with growth hormone deficiency before and after treatment with growth hormone', Anales de Pediatría, 100(6):404-411.
Diz-de Almeida Sara et al. (2024) 'Novel risk loci for COVID-19 hospitalization among admixed American populations'. eLife, 13.
Cabrera-Alarcon José Luis et al. (2025) 'Shaping current European mitochondrial haplogroup frequency in response to infection: the case of SARS-CoV-2 severity', Communications Biology, 8(1):33.
Íñiguez María et al. (2025) 'Cardiotrophin-1 as a predictor of critical COVID-19, mortality, and persistence of pulmonary fibrosis after the acute phase of infection', Cytokine, 196:157037.
Villoslada-Blanco Pablo et al. (2025) 'Development of a Consensus Molecular Classifier for Pancreatic Ductal Adenocarcinoma', Genome Medicine, 17(1):142.
López Castro et al. (2026) 'Genetic patterns related to von Willebrand factor: implications on the need for mechanical ventilation, severity, and death in COVID-19', Frontiers in Medicine, 12:1690764.

Works

Villoslada-Blanco Pablo (2017) 'Optimización de un péptido neuroprotector que interfiere el procesamiento de la subunidad GluN2A del NMDAR en excitotoxicidad', Degree Thesis.
Villoslada-Blanco Pablo (2018) 'Análisis de la variación molecular asociada a un QTL con efecto pleiotrópico en la fertilidad y el tamaño de la baya en la vid', Master Thesis.
Villoslada-Blanco Pablo (2023) 'Impact of integrase inhibitors on gut and oral microbiome', Doctoral Thesis.
Villoslada-Blanco Pablo (2024) 'Development of a Consensus Molecular Classifier for Pancreatic Ductal Adenocarcinoma', Master Thesis.
Villoslada-Blanco Pablo (2025) 'Unraveling the Molecular Interplay Between Pancreatic Cancer and Diabetes Mellitus: A Multilevel Model Approach Applied to Spatial Transcriptomics', Docta Complutense, Master Thesis.

Congresses

Carbonell-Bejerano Pablo et al. (2018) 'Study of candidate gene variants pleiotropically controlling berry shape and other reproductive traits in grapevine', International Congress on Grapevine and Wine Sciences, ICGWS.
Pérez-Matute Patricia et al. (2019) 'Autologous fecal transplantation potentiates caloric restriction effects on body weight and adiposity by decreasing energy efficiency and by increasing adipose tissue lipolysis in high-fat fed mice', 42nd Congress of the Spanish Society of Biochemistry and Molecular Biology, SEBBM.
Íñiguez María et al. (2020) 'Influencia de polimorfismos de ACEI y ACE2 en la severidad de la COVID-19 en La Rioja', I Congreso Nacional COVID, SEIMC.
Villoslada-Blanco Pablo et al. (2022) 'Characterization of gut phages in HIV-infected patients', International Virus Bioinformatics Meeting (ViBioM) 2022, EVBC.
José G. Pichel et al. (2022) 'Serum Levels of IGF System Proteins Change with the Severity of COVID-19', Spanish Symposium on IGFs and Insulin 2022: Implications in Physiology and Disease, SEBBM.
Villoslada-Blanco Pablo et al. (2022) 'Los inhibidores de la integrasa restauran la translocación bacteriana, la inflamación y los cambios en la microbiota intestinal inducidos por la infección por el VIH', XXV Congreso SEIMC, SEIMC. Best comunicaiton award.
Villoslada-Blanco Pablo et al. (2022) 'Primera descripción del impacto de la infección por el VIH y del tratamiento con inhibidores de la integrasa sobre el viroma intestinal', XXV Congreso SEIMC, SEIMC.
Villoslada-Blanco Pablo (2022) 'CHARACTERIZATION OF GUT BACTERIOME AND VIROME OF HIV-INFECTED PATIENTS: impact of integrase inhibitors and relation with the inflammatory state and the cardiovascular risk', Programa de formación del Sistema Público de Salud de la Rioja, Rioja Salud.
José G. Pichel et al. (2022) 'Serum Levels of IGF System Proteins Change with the Severity of COVID-19', The Biochemistry Global Summit (the IUBMB–FEBS–PABMB Congress 2022), IUBMB–FEBS–PABMB.
José G. Pichel et al. (2022) 'Serum Levels of IGF System Proteins Change with the Severity of COVID-19', 44th Congress of the Spanish Sociecty of Biochemistry and Molecular Biology, SEBBM.
Villoslada-Blanco Pablo et al. (2023) 'Análisis descriptivo de la microbiota oral y fecal de niños y niñas en función del estado ponderal y de la presencia de esteatosis hepática', XIV Workshop de la Sociedad Española de Microbiota, Probióticos y Prebióticos, SEMIPyP.
Villoslada-Blanco Pablo (2023) 'Más allá del bacterioma', SEIMC.
Villoslada-Blanco Pablo et al. (2023) 'Efecto de la infección por el VIH y los inhibidores de la integrasa sobre el bacterioma oral', XXVI Congreso SEIMC, SEIMC.
Villoslada-Blanco Pablo et al. (2023) '¿Hay diferencias entre la microbiota oral y fecal de los niños y niñas con sobrepeso y obesidad en relación con la presencia de esteatosis hepática?', II Congreso de la Sociedad Iberoamericana de Microbiota, Prebióticos y Probióticos, SIAMP&P.
García Navas Patricia et al. (2024) 'Valoración de inflamación sistémica, mediante interleuqina-6, en pacientes con déficit de hormona de crecimiento que presentan alteración en la translocacion bacteriana', 46º Congreso de la Sociedad Española de Endocrinología Pediátrica, SEEP/FSEEP.
Villoslada-Blanco Pablo et al. (2024) 'PDAConsensus: a consensus molecular classifier for Pancreatic Ductal Adenocarcinoma', 56th EPC meeting, EPC.
Sabroso-Lasa Sergio et al. (2024) 'Genomics, radiomics and pathomics integrative multimodal prognostic scores improve pancreatic ductal adenocarcinoma patient stratification', 56th EPC meeting, EPC.
Villoslada-Blanco Pablo et al. (2024) 'PDAConsensus: a consensus molecular classifier for Pancreatic Ductal Adenocarcinoma', IX Simposio nacional de estudiantes de Bioinformática, RSG-Spain.
Villoslada-Blanco Pablo et al. (2024) 'PDAConsensus: a consensus molecular classifier for Pancreatic Ductal Adenocarcinoma', 1er Congreso SEBiBC, SEBiBC.
Villoslada-Blanco Pablo et al. (2025) 'Unraveling the Molecular Interplay Between Pancreatic Cancer and Diabetes Mellitus: A Multilevel Model Approach applied to Spatial Transcriptomics', 5ª Jornada de Difusión de la Investigación en Bioestadística, UCM.
García Navas Patricia et al. (2024) 'Estudio de translocación bacteriana e inflamación intestinal en pacientes con déficit de GH, antes y después de recibir tratamiento', 47º Congreso de la Sociedad Española de Endocrinología Pediátrica, SEEP/FSEEP.
De Dreuille Brune et al. (2025) 'Bridging Artificial Intelligence and Liquid Biopsy in Cancer Research: Methodological approaches', 14th International Symposium on Minimal Residual Cancer, ISMRC.
Villoslada-Blanco Pablo et al. (2025) 'Virome Shifts in Pancreatic Ductal Adenocarcinoma: New Insights from Untargeted Metagenomics', X Simposio nacional de estudiantes de Bioinformática, RSG-Spain.
Villoslada-Blanco Pablo et al. (2025) 'Virome Shifts in Pancreatic Ductal Adenocarcinoma: New Insights from Untargeted Metagenomics', XV Symposium on Bioinformatics, ISCB.
Villoslada-Blanco Pablo et al. (2025) 'Dissecting Pancreatic Tumor–Diabetes Interactions Using Multilevel Models in Spatial Transcriptomics', X Simposio nacional de estudiantes de Bioinformática, RSG-Spain.

Villoslada-Blanco Pablo et al. (2025) 'Dissecting Pancreatic Tumor–Diabetes Interactions Using Multilevel Models in Spatial Transcriptomics', XV Symposium on Bioinformatics, ISCB.
Andueza Mireia et al. (2025) 'BI&AI Meet Liquid Biopsy: Paving the Way for Next-Generation Cancer Research', X Simposio nacional de estudiantes de Bioinformática, RSG-Spain.
Andueza Mireia et al. (2025) 'BI&AI Meet Liquid Biopsy: Paving the Way for Next-Generation Cancer Research', XV Symposium on Bioinformatics, ISCB.
Sabroso-Lasa Sergio et al. (2025) 'Automating the Kalimuthu morphological classification of pancreatic cancer with foundation models and synthetic images', XV Symposium on Bioinformatics, ISCB.
Andueza Mireia et al. (2025) 'Bridging Artificial Intelligence and Liquid Biopsy in Cancer Research', ELBS General Assembly 2025, ELBS.
Villoslada-Blanco Pablo et al. (2025) 'Development of a consensus molecular classifier for panceatic ductal adenocarcinoma', Reunión presencial del Programa Tumores de Tracto Digestivo de CIBERONC, CIBERONC.
Villoslada-Blanco Pablo et al. (2026) 'Development of a consensus molecular classifier for panceatic ductal adenocarcinoma', 3rd Annual Scientific Meeting, ALIPANC.
Andueza Mireia et al. (2026) 'Artificial Intelligence and Liquid Biopsy: Transforming the Future of Cancer Management', 3rd Annual Scientific Meeting, ALIPANC.
Lopez Enrique et al. (2026) 'Automating the Kalimuthu's Morphological Classification of Pancreatic Cancer with Foundation Models and Synthetic Images', 3rd Annual Scientific Meeting, ALIPANC.

Intelectual property

Villoslada-Blanco Pablo et al. (2024) 'PDACMolecularOmniClassifier (PDACMOC) & PDAConsensus'.