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| CV Date | 03/12/2025 |
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Part A. PERSONAL INFORMATION

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|--|---------------------|---------------|------------|
| First Name | José Manuel | | |
| Family Name | Martín Villa | | |
| Sex | Male | Date of Birth | 13/11/1961 |
| ID number Social Security, Passport | 05377375K | | |
| URL Web | | | |
| Email Address | jmmvilla@ucm.es | | |
| Open Researcher and Contributor ID (ORCID) | 0000-0002-2436-8585 | | |

A.1. Current position

| | | | |
|---------------------|---|--------------|--|
| Job Title | Vicedecano Relaciones Internacionales y Movilidad | | |
| Starting date | 2022 | | |
| Institution | Universidad Complutense de Madrid | | |
| Department / Centre | / | | |
| Country | | Phone Number | |
| Keywords | | | |

A.2. Previous positions (Research Career breaks included)

| Period | Job Title / Name of Employer / Country |
|-------------|---|
| 2007 - 2008 | VISITING PROFESSOR / BETH ISRAEL DEACONESS MEDICAL CENTER. HARVARD MEDICAL SCHOOL |

A.3. Education

| Degree/Master/PhD | University / Country | Year |
|--|---|------|
| Inmunología | Facultad de Biología Universidad Complutense de Madrid / Spain | 1991 |
| Licenciado en Biología Especialidad Biología Fundamental | Facultad de Biología. Universidad Complutense de Madrid / Spain | 1984 |

Part B. CV SUMMARY

CV SUMMARY

1.- Research activity

Publications (PubMed): 117. H index (Google Academics 30. No. of citations 2913). See full list of publications at [https://pubmed.ncbi.nlm.nih.gov/?term="martin-villa j" OR "martin-villa M" OR "Manuel+martin-villa"](https://pubmed.ncbi.nlm.nih.gov/?term=)

Participation in competitive research projects

Projects as PI (13) or as Co-PI (4) of FIS, CAM, UCM, MCINN.

Other merits related to research activity.

National evaluator ANEP, CAM, FIS. International evaluator EU (FP7), INTAS.

Director of a research group accredited by the UCM.

Member of the Editorial Board of the journal W. J. Gastroenterol and previously of Genes Immunity.

Member of the Board of Directors of the Spanish Society of Microbiota, Prebiotics and Probiotics.

Six-year research periods applied for and awarded: 6 out of 6 possible

2.- Teaching activity.

Professor of Immunology 1988. More than 30 years of university teaching with criteria of excellence (voluntary evaluation of quality: very positive or excellent evaluations)

Virtualisation of teaching in Immunology at UCM since 2006.

Development of teaching material: Author of chapters in books on Medicine (Perezagua Clamagirand), Immunology (Celada, Arnaiz Villena), and Nutrition (SEPyP).

Teaching innovation projects: Collaborator in 5 funded teaching innovation projects.

Other merits related to teaching activity

Visiting Professor. Harvard Medical School. 2007/2008

Participation as a teacher in courses aimed at administrative and service staff, vocational training teachers, medical professionals.

Positions of responsibility in public university management.

Vice-Dean International Affairs of the Faculty of Medicine (Current position)

Deputy Director of the Dept. of Immunology, Ophthalmology and ENT. Until 2018

Academic Secretary of the Department of Microbiology I 2009- 2012

Coordinator of the Interfaculty Area of Immunology 2003 -2007.

Director of the UCM Central facility (CAI) Immunological Techniques 2001 - 2004

Member of the Postgraduate, Library and Teaching Commissions of the Faculty of Medicine.

Five-year teaching periods applied for and awarded: 6 out of 6 possible.

3.- Other professional merits

Immunology Assistant (4 years) Hospital 12 de Octubre. (President of the Diagnostic Resources Commission; Member of the Central Quality Commission).

Specialist in Clinical Analysis (Immunology) by the COBCM.

Specialist in Immunology by the MEC

4.- Research training. Career development

Over the past 5 years, our research group has successfully overseen the completion of more than 5 undergraduate and master's degree final projects and supervised five doctoral theses, and 2 more ongoing projects.

Past students from our laboratory are now in academia (I. Juárez, J. Palacio-Grüber) in research groups (N. Aguilera-Montilla, M. López-Santalla, N. Rodríguez-Pérez, C. Rodríguez Juan, N. Rodríguez-Rodríguez), in the industry (A. Aguinaga-Barrilero, I. Luque-Montoro) or in European Institutions (A. P. Valeri Lozano)

5.- Internationalisation

Upon my return from the Prof. G. Tsokos (Rheumatology, Harvard School of Medicine, USA) I have established solid links with this institution, fostering exchange of students and co-directing three doctoral theses.

The cooperation with other institutions goes on, and we received reagents for this project from E. Carosella's laboratory (Paris, France) and one of the PhD students (Ch. Vaquero) is currently spending a 6-month stay at Professor Tsumoto's laboratory (Tokyo, Japan) for the development of specific nanobodies against HLA-G and the ILT2 receptor, relevant for this research project.

Moreover, the group has hosted international exchange students on short stays (IFMSA and Erasmus Traineeship Students). This project presents an opportunity to further enhance the training of visiting students of this nature.

6.- Industrial and intellectual property

Registered industrial property title: Immortalisation of T lymphocytes of intestinal and gastric mucosa. Inventors/authors/obtainers: J. M. Martín Villa Entity owning the rights: UCM. Application No.: UCM107/BM. Country of registration: Madrid, Spain. Reg. date: 03/2001

Part C. RELEVANT ACCOMPLISHMENTS

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

AC: corresponding author. (n° x / n° y): position / total authors. If applicable, indicate the number of citations

- 1 **Scientific paper.** Molina-Alejandre, Marta; Juárez, Ignacio; Vaquero-Yuste, Christian; et al; Martín-Villa, José Manuel. 2025. HLA-G Polymorphisms of The 3'-UTR Region Are Involved in Susceptibility to Non-Infectious Uveitis. *Ocular Immunology and Inflammation*.
- 2 **Scientific paper.** Vaquero-Yuste, Christian; Juarez, Ignacio; Molina-Alejandre, Marta; et al; Martín-Villa, Jose Manuel. 2025. HLA-G high-expressor 3'UTR markers are linked to gastric cancer development and survival. *Cancer Immunology, Immunotherapy*. 74-1.
- 3 **Scientific paper.** Arnaiz-Villena, Antonio; Juarez, Ignacio; Vaquero-Yuste, Christian; Lledo, Tomás; Martín-Villa, José Manuel; Suarez-Trujillo, Fabio. 2025. Two different complement Factor B (Bf) alleles of the orangutan major histocompatibility complex (MHC) are also conserved in chimpanzee and humans showing importance in primate immunity. *Molecular Biology Reports*. 52-1.
- 4 **Scientific paper.** Suarez-Trujillo, Fabio; Juarez, Ignacio; Vaquero-Yuste, Christian; et al; Arnaiz-Villena, Antonio. 2024. The Immune Modulation *HLA-G{*}01:01:01* Full Allele Is Associated with Gastric Adenocarcinoma Development. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*. 25-19. ISSN 1661-6596.
- 5 **Scientific paper.** Arnaiz-Villena, Antonio; Juarez, Ignacio; Vaquero-Yuste, Christian; Lledo, Tomas; Martin-Villa, Jose Manuel; Suarez-Trujillo, Fabio. 2024. Complex Interactions between the Human Major Histocompatibility Complex (MHC) and Microbiota: Their Roles in Disease Pathogenesis and Immune System Regulation. *BIOMEDICINES*. 12-8.
- 6 **Scientific paper.** Corpas, Manuel; de Mendoza, Carmen; Moreno-Torres, Víctor; et al; Soriano, Vicente. 2023. Genetic signature detected in T cell receptors from patients with severe COVID-19. *iScience*. 26-10.
- 7 **Scientific paper.** Suarez-Trujillo, Fabio; El-Safi, Sayda; Juarez, Ignacio; Palacio-Gruber, José; Sanchez-Orta, Alejandro; Martin-Villa, José Manuel; Arnaiz-Villena, Antonio. 2023. HLA alleles and haplotypes in Sudanese population and their relationship with Mediterraneans. *Scientific Reports*. 13-1.
- 8 **Scientific paper.** Arnaiz-Villena, Antonio; Juarez, Ignacio; Sánchez-Orta, Alejandro; Martín-Villa, José Manuel; Suarez-Trujillo, Fabio. 2023. Major histocompatibility complex compement (MHC) Bf alleles show trans species evolution between man and chimpanzee. *Scientific Reports*. 13-1.
- 9 **Scientific paper.** Aguinaga-Barrilero, Ana; Juarez, Ignacio; Vaquero-Yuste, Christian; et al; Martin-Villa, Jose M.2022. Higher prevalence of LAP+ (Latency TGFbeta-Associated Peptide) T cells at the tissue level in patients with early gastric cancer. *Cellular immunology*. 382, pp.104635-104635. ISBN 1090-2163.
- 10 **Scientific paper.** Arnaiz-Villena, A.; Suarez-Trujillo, F.; Juarez, I.; et al; Martin-Villa, J.M.2022. Evolution and molecular interactions of major histocompatibility complex (MHC)-G, -E and -F genes. *Cellular and Molecular Life Sciences*. 79-8.
- 11 **Scientific paper.** Martín-Villa, José Manuel; Vaquero-Yuste, Christian; Molina-Alejandre, Marta; et al; others. 2022. HLA-G: Too Much or Too Little? Role in Cancer and Autoimmune Disease. *Frontiers in Immunology*. *Frontiers*. pp.67-67.
- 12 **Scientific paper.** Vaquero-Yuste, Christian; Juarez, Ignacio; Molina-Alejandre, Marta; et al; Martín-Villa, José Manuel. 2021. HLA-G 3'UTR Polymorphisms Are Linked to Susceptibility and Survival in Spanish Gastric Adenocarcinoma Patients. *Frontiers in Immunology*. 12, pp.3629-3629. ISSN 1664-3224.
- 13 **Scientific paper.** Juarez, Ignacio; Gutierrez, Alberto; Vaquero-Yuste, Christian; Molanes-Lopez, Elisa M.; Lopez, Adela; Lasa, Inmaculada; Gomez, Remedios; (8/8) Martín-Villa, Jose Manuel (AC). 2021. TGFB1 polymorphisms and TGF-beta 1 plasma levels identify gastric adenocarcinoma patients with lower survival rate and disseminated disease. *JOURNAL OF CELLULAR AND MOLECULAR MEDICINE*. 25-2, pp.774-783. ISSN 1582-1838. WOS (0)
- 14 **Scientific paper.** Juarez, Ignacio; Toro-Fernandez, Juan Francisco; Vaquero-Yuste, Christian; et al; Gutierrez, Alberto. 2021. A Reliable and Standardizable Differential PCR and qPCR Methodology Assesses HER2 Gene Amplification in Gastric Cancer. *Biology*. Multidisciplinary Digital Publishing Institute. 10-6, pp.516-516.

- 15 Scientific paper.** Benedé-Ubieto, Raquel; Estévez-Vázquez, Olga; Guo, Feifei; et al; Nevzorova, Yulia A.2021. An Experimental DUAL Model of Advanced Liver Damage. *Hepatology Communications*. 5-6, pp.1051 – 1068-1051 – 1068.
- 16 Scientific paper.** Aguinaga-Barrilero, Ana; Castro-Sánchez, Patricia; Juárez, Ignacio; Gutiérrez-Calvo, Alberto; Rodríguez-Pérez, Noelia; Lopez, Adela; Gómez, Remedios; Martín-Villa, José M.2020. Defects at the posttranscriptional level account for the low TCR ζ chain expression detected in gastric cancer independently of caspase-3 activity. *Journal of Immunology Research*. 2020.
- 17 Scientific paper.** Rodríguez Rodríguez, N.; Apostolidis, SA.; Fitzgerald, L.; et al; Crispín, JC.; (6/9) Martín Villa, JM.2016. Pro-inflammatory self-reactive T cells are found within murine TCR- $\alpha\beta$ (+) CD4(-) CD8(-) PD-1(+) cells. *European journal of immunology*. ISSN 1521-4141.
- 18 Scientific paper.** Rodríguez Rodríguez, N.; Apostolidis, SA.; Penaloza MacMaster, P.; (4/7) Martín Villa, JM.; Barouch, DH.; Tsokos, GC.; Crispín, JC.2015. Programmed cell death 1 and Helios distinguish TCR- $\alpha\beta$ double-negative (CD4-CD8-) T cells that derive from self-reactive CD8 T cells. *Journal of immunology (Baltimore, Md. : 1950)*. 194-9, pp.4207-4221. ISSN 1550-6606.
- 19 Scientific paper.** Mucientes, A.; Márquez, A.; Cordero Coma, M.; et al; Martín, J.; (4/21) Martín Villa, JM.2015. Specific association of IL17A genetic variants with panuveitis. *The British journal of ophthalmology*. 99-4, pp.566-636. ISSN 1468-2079.
- 20 Scientific paper.** Carmen Cenit, Maria; Marquez, Ana; Cordero-Coma, Miguel; et al; Martín, Javier; (16/18) Manuel Martín-Villa, Jose. 2013. Evaluation of the IL2/IL21, IL2RA and IL2RB genetic variants influence on the endogenous non-anterior uveitis genetic predisposition. *BMC MEDICAL GENETICS*. 14. ISSN 1471-2350. WOS (2)
- 21 Scientific paper.** Castro-Sanchez, Patricia; (2/2) Martín-Villa, Jose M. (AC). 2013. Gut immune system and oral tolerance. *BRITISH JOURNAL OF NUTRITION*. 109, pp.S3-S11. ISSN 0007-1145. WOS (11)

C.3. Research projects and contracts

- 1 Project.** PR17/24-31948, ILT2 y HLA-G: Nuevas dianas de inmunoterapia en adenocarcinomas gastrointestinales. Universidad Complutense de Madrid. (Universidad Complutense de Madrid). 01/01/2025-31/12/2026. 42.356,04 €.
- 2 Project.** HLA-G: CÁNCER GÁSTRICO Y SU EVOLUCIÓN. José Manuel Martín Villa. (Universidad Complutense de Madrid). 01/01/2019-31/12/2021. 124.630 €.
- 3 Project.** CARACTERIZACIÓN DE LINFOCITOS T REGULADORES (Treg) CD4+LAP+ y CD8+ LAP+(Latency Associated Peptide) EN PACIENTES CON ADENOCARCINOMA GÁSTRICO.. MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD. JOSE MANUEL MARTIN VILLA. (Universidad Complutense de Madrid). 01/01/2013-31/12/2015. 49.000 €.
- 4 Project.** Estudio de los componentes celulares T (Th1, Th2, Th17 y TReg) y regulación de la expresión de la cadena zeta del complejo CD3 en pacientes con adenocarcinoma gástrico.. MINISTERIO DE CIENCIA E INNOVACIÓN. JOSE MANUEL MARTIN VILLA. (Universidad Complutense de Madrid). 01/01/2010-31/12/2012. 94.380 €.
- 5 Project.** Expresión de la cadena zeta del complejo CD3 del receptor de la célula T en pacientes con adenocarcinoma gástrico.. INSTITUTO DE SALUD CARLOS III. JOSE MANUEL MARTIN VILLA. 01/01/2006-31/12/2008. 47.600 €.