CV Date	02/02/2026

Part A. PERSONAL INFORMATION

First Name *	Jose Maria	
Family Name *	Gonzalez Granado	
URL Web	https://lamimsys.wixsite.com/lamimsyslab	
Email Address	jmgonzalez.imas12@h12o.es	
Researcher's identification number	Open Researcher and Contributor ID (ORCID) *	0000-0002-1177-869X
	Researcher ID	A-3794-2016
	Scopus Author ID	9038392600

* Mandatory

A.1. Current position

Job Title	Profesor Titular de Universidad		
Starting date	2022		
Institution	Universidad Complutense de Madrid		
Department / Centre	Inmunología, Oftalmología y ORL / Facultad de Medicina		
Country		Phone Number	
Keywords	Molecular mechanism of disease; Biology		

A.2. Previous positions

Period	Job Title / Name of Employer / Country
2020 - 2022	Investigador Titular / Instituto de Investigación Sanitaria Hospital 12 de Octubre (imas12)
2020 - 2021	Investigador I3 / Instituto de Investigación Sanitaria Hospital 12 de Octubre
2017 - 2019	Investigador Miguel Servet II / Instituto de Investigación Hospital 12 de Octubre (imas12) / Spain
2012 - 2016	Investigador Miguel Servet I / Centro Nacional de Investigaciones Cardiovasculares Carlos III / Spain

A.3. Education

Degree/Master/PhD	University / Country	Year
Departamento de Fisiologia. Facultad de Medicina	Universidad Autónoma de Madrid	2004
Licenciado Ciencias Biologicas	Universidad Autónoma de Madrid	1999

Part B. CV SUMMARY

JMGG, Biology graduate (UAM 1999) with a PhD in Physiology (UAM 2004) published 7 hypertension articles during the European project VASCAN-2000. His doctoral research included work in the UK under a Marie Curie contract, earning him the distinction of European Doctor and the Extraordinary PhD Award (UAM, 2005). As a postdoc at the University of Glasgow, JMGG contributed with 3 publications on cardiovascular diseases. In 2005, he joined Dr. Andrés' group at IBV-CSIC, studying atherosclerosis and laminopathies with CSIC and Sara Borrell-ISCIII contracts, resulting in 3 publications on atherosclerosis (FASEB J.2010; Expert Opin Ther Pat.2006; Cardiovasc Res.2007) and the participation in 4 research projects (GV/2007/164, SAF2004-03057, Fun Ramón Areces, and Lab. Indas). JMGG later explored lamina A/C biology and laminopathies, becoming the PI for a Generalitat Valenciana project (GV/2008/163). During this time, he also participated in projects SAF2007-62110,

SAF2010-16044, and published 6 articles (Gene Dev. 2006; J Cell Biol 2008, 2009, and 2010; Front Biosci 2011, 2011). From 2009 to 2011, he established his own research on lamin A/C and the immune system while working with Dr. Sanchez Madrid (CNIC). He published 3 articles on leukocyte migration and immunological synapse organization (Mol Cell Biol 2013, 2014; Eur J Immunol 2014). During 2010-2016, JMGG was part of the Vascular Pathophysiology Area at CNIC, focusing on lamin A/C (Biochem Soc T.2011) and vascular dysfunction (ATVB 2013; Circ. Res 2013). He focused on lamin A/C at CNIC, obtaining a Miguel Servet I-ISCIII contract and research project (CP11/00145-ISCIII) in 2012. Establishing the LamImSys group in 2012. He continued their research on lamin A/C and the immune system, publishing 1 publication on lamin A/C (PLoS One 2014) and 4 on the role of lamin A/C in T-cell activation (Dianas 2013, Sci Signal 2014; Nucleus 2014, Methods Mol Biol 2015). From 2015 to 2019, JMGG served as PI for two projects on lamin A/C and naïve Tcell differentiation (Fun Ramón Areces and PI14/00526-ISCIII). From 2017 to 2019, as a Miguel Servet II-ISCIII Researcher at the Instituto de Investigación Hospital 12 de Octubre (imas12), He acted as PI for project on lamin A/C and inflammatory bowel disease (PI17/01395-ISCIII), resulting in 7 articles on dendritic cells and T cells (Mol Cel Biol, Nat Comm 2017, Cell Death Dis, JOVE 2018, J Mol Cell Cardiol, J Pathol, IJMS 2019), and 1 on myeloid cells (PNAS 2017). From 2020 to 2022, JMGG was an SNS I3 researcher and Investigador Titular at Imas12 publishing in lamin A/C in immunity (IJMS 2020, 2021, 2022; Cancer Immunol Res 2021; Science 2020)

Currently, JMGG is an Associate Professor of Immunology at the Faculty of Medicine, Universidad Complutense de Madrid (UCM), continuing his research at imas12 and UCM on lamin A/C biology, immune regulation, intestinal inflammation, and vascular pathology. He acted as PI for two ISCIII projects on IBD (PI20/00306, PI24/00146). His recent publications include studies on lamin A/C in leukocytes (ATVB 2025; CMLS 2024; Nat Aging 2023); innate and adaptive mechanisms in IBD (IJMS 2023, 2023, 2025; EMBO Rep 2023; Am J Pathol 2025; Cell Rep 2023), innate cells and atherosclerosis (Circulation 2023), intravital imaging of monocytes (Methods Mol Biol 2023) and fetal programming (Pediatr Res 2024). He continues to lead the LamImSys research group, supervise PhD and MSc theses, and develop translational approaches linking lamin A/C–dependent mechanisms with biomarkers and therapeutic targets in immuno-inflammatory and cardiovascular diseases.

He has mentored 6 Erasmus/Internship students, supervised 4 Theses (UV, UAM), 6 Master's Theses (UV, UAH, UCM), and 8 Bachelor's Theses (UPM, UCM, UAM), and currently supervises 1 Theses (UCM) and 1 Master's Thesis. JMGG also served as Associate Professor (Faculty of Medicine, UAM 2018-22), taught in Master's and Bachelor's programs (UAM, UPV), and received positive evaluations from the Ministry for various academic roles (2010 and 2021), including the Certification I3 (2018).

Part C. RELEVANT ACCOMPLISHMENTS

C.1. Publications

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

1 **Scientific paper**. Amorós-Perez, M; Del Monte-Monge, A.; Gonzalo, P; et al; Andres, V.; (17/20) Gonzalez-Granado, JM.2025. Lamin A/C Expression in Hematopoietic Cells Declines During Human Aging and Constrains Atherosclerosis in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology. https://doi.org/10.1161/ATVBAHA.124.322893

2 **Scientific paper**. Ortega-Zapero, M; Gomez-Bris, R; Pascual-Laguna, I; Saez, A; (5/5) Gonzalez-Granado, JM (AC). 2025. Neutrophils and NETs in Pathophysiology and Treatment of Inflammatory Bowel Disease. International Journal of Molecular Sciences. MDPI. 26-16, pp.7098. https://doi.org/10.3390/ijms26157098

Narrative explanation of the contribution

Q1

3 **Scientific paper**. Gomez-Bris, R; Rodriguez-Rodriguez, P; Ortega-Zapero, M; et al; (10/10) Gonzalez-Granado, JM (AC). 2025. Segmental Regulation of Intestinal Motility by Colitis and the Adaptive Immune System in the Mouse Ileum and Colon. American Journal of Pathology. 195-2, pp.204-220. https://doi.org/10.1016/j.ajpath.2024.10.020

4 **Scientific paper**. Monedero-Cobeta, I; Gomez-Bris, R; Rodriguez-Rodriguez, P; Saez, A; Quintana-Villamandos, B; (6/7) Gonzalez-Granado, JM (AC); Arribas, SM. 2024. Fetal Programming and Lactation: Modulating Gene Expression in Response to Undernutrition during Intrauterine Life. Pediatric Research. 95-7, pp.1764-1774. ISSN 0031-3998. https://doi.org/10.1038/s41390-024-03042-5

Narrative explanation of the contribution

Q1. IMC y RGM Igual contribución. JMGG y SMA autores de correspondencia

5 **Scientific paper**. Herrero-Fernandez, B; Ortega-Zapero, M; Gomez-Bris, R; et al; (12/12) Gonzalez-Granado, JM (AC). 2024. Role of lamin A/C on dendritic cell function in antiviral immunity. Cellular and Molecular Life Sciences. Springer-Nature. 81-1, pp.400. https://doi.org/10.1007/s00018-024-05423-9

6 **Scientific paper**. Gonez-Bris, R; Saez, A; Herrero-Fernández, B; Rius, C; Sanchez-Martinez H; Gonzalez-Granado, JM. 2023. CD4 T-Cell Subsets and the Pathophysiology of Inflammatory Bowel Disease. International Journal of Molecular Scences. MDPI. 24-3, pp.2696. https://doi.org/10.3390/ijms24032696

Narrative explanation of the contribution

Q1

7 **Scientific paper**. Garcia-Ferreras, R; Osuna-Perez, J; Ramirez-Santiago, G; et al; Veiga, E. 2023. Bacteria-instructed B cells cross-prime naïve CD8+ T cells triggering effective cytotoxic responses. EMBO Rep. May 15, pp.e56131. https://doi.org/10.15252/embr.202256131

Narrative explanation of the contribution

Q1

8 **Scientific paper**. Valle-Noguera, A; Sancho-Temiño, L; Castillo-Gonzalez, R; et al; Cruz-Adalia, A; (11/13) Gonzalez-Granado, JM. 2023. IL-18-induced HIF-1α in ILC3s ameliorates the inflammation of C. rodentium-induced colitis. Cell Reports. Cell Press. 42-12, pp.113508. https://doi.org/10.1016/j.celrep.2023.113508

9 **Scientific paper**. De Silva, NS; Siewiera, J; Alkhoury, C; et al; Manel, N. 2023. Nuclear envelope disruption triggers hallmarks of aging in lung alveolar macrophages. Nat Aging. 3-10, pp.1251-1268. https://doi.org/10.1038/s43587-023-00488-w

Narrative explanation of the contribution

D1

10 **Scientific paper**. Saez, A; Herrero-Feranadez, B; Gomez-Bris, R; Sanchez-Martinez, H; Gonzalez-Granado, JM. 2023. Pathophysiology of Inflammatory bowel disease: Innate immune system. International Journal of Molecular Sciences. MDPI. 24-2, pp.1526. https://doi.org/10.3390/ijms24021526

Narrative explanation of the contribution

Q1

11 **Scientific paper**. Pan, C; Herrero-Fernandez, B; Borja-Almarcha, C; et al; Soehnlein, O. 2023. Time-restricted feeding enhances early atherosclerosis in hypercholesterolemic mice. Circulation. AHA Journals. 147-9, pp.774-777. https://doi.org/10.1161/CIRCULATIONAHA.122.063184

Narrative explanation of the contribution

D1

12 **Scientific paper**. (1/2) Saez, A (AC); Gonzalez-Granado, JM. 2022. Recent Advances in Intermediate Filaments-Volume 1. International Journal of Molecular Sciences. 23-10, pp.5808. https://doi.org/10.3390/ijms23105308

13 **Scientific paper**. Saez, A; Gomez-Bris, R; Herrero-Fernandez B; Mingorance, C; Rius, C; Gonzalez-Granado JM. 2021. Innate Lymphoid Cells in Intestinal Homeostasis and Inflammatory Bowel Disease. International Journal of Molecular Sciences. MDPI. 22-14, pp.7618. SCOPUS (32) https://doi.org/10.3390/ijms22147618

Narrative explanation of the contribution

Q1. Premio MDPI.

14 **Scientific paper**. Guenther, C; Sokolova, M; Faisal, I; et al; Fagergolm SC; (9/11) Gonzalez-Granado, JM. 2021. β2-integrins restrict dendritic cell migratory phenotype and tumor rejection through a mechanically 1 regulated epigenetic mechanism. Cancer Immunology Research. https://doi.org/10.1158/2326-6066.CIR-21-0094

15 **Scientific paper**. Saez, A; Herrero-Fernandez, B; Gomez-Bris, R; Somovilla-Crespo, B; Rius, C; (6/6) Gonzalez-Granado, JM (AC). 2020. Lamin A/C and the Immune System: One Intermediate Filament, Many Faces. International Journal of Molecular Sciences. 21-17, pp.6109-IF 4.556 Q1. https://doi.org/10.3390/ijms21176109

16 **Scientific paper**. Lomakin, A.J.; Cattin, CJ; Cuvelier, D; et al; Piel, M; (15/19) Petrie, RJ. 2020. The nucleus acts as a ruler tailoring cell responses to spatial constraints.Science. 16-370, pp.(6514):eaba289-IF 41.845 D1. SCOPUS (98) https://doi.org/10.1126/science.aba2894

17 **Scientific paper**. Toribio-Fernández, R; Herrero-Fernández, B; Zorita, V; et al; (11/11) Gonzalez-Granado, JM (AC). 2019. Lamin A/C deficiency in CD4+ T-cells enhances regulatory T-cells and prevents inflammatory bowel disease. Journal of Pathology. 249-4, pp.509-522 IF 6.253 D1 Correspondencia. ISSN 0022-3417. https://doi.org/10.1002/path.5332

Narrative explanation of the contribution

D1

18 **Scientific paper**. (1/14) Vila-Caballer, M; Gonzalez-Granado, JM; Zorita, V; et al; Andres, V. 2019. The CCL1-CCR8 axis promotes vascular Treg recruitment and function and protects against atherosclerosis in mice. Journal of Molecular and Cellular Cardiology. 132, pp.154-163 IF:5.296 Q1. ISSN 0022-2828. https://doi.org/10.1016/j.yjmcc.2019.05.009

Narrative explanation of the contribution

MVC y JMGG 1st Authors

19 **Book chapter**. (1/5) Gonzalez-Granado, JM; Del Monte-Monge, A; Piqueras, L; Andres, V; Rius, C. 2023. Analysis of Monocyte Recruitment During Inflammation by Intravital Imaging. Margadant, C. (eds) Cell Migration in Three Dimensions. Methods Mol Biol. Springer. 2608, pp.451-467. ISSN 1064-3745. https://doi.org/10.1007/978-1-0716-2887-4_25

C.3. Research projects and contracts

1 **Project**. PI24/00146, Biología espacial, fenotípica y funcional del intestino en enfermedad inflamatoria intestinal. Instituto de Salud Carlos III. Gonzalez-Granado, JM. (Instituto de Investigación sanitaria Hospital 12 de Octubre). 01/01/2025-31/12/2027. 171.250 €. Principal investigator.

2 **Project**. PI20/00306, Inmunología, Inmunopatología y Terapia en Enfermedad Inflamatoria Intestinal. Instituto de Salud Carlos III. Jose Maria Gonzalez Granado. (Instituto de Investigación Sanitaria Hospital 12 de Octubre). 01/01/2021-31/12/2023. 111.320 €. Investigador Principal

C.6. Supervision of doctoral theses and/or final degree projects

1 **Doctoral thesis:** Sistema inmunitario y modulación celular especifica de lamina A/C como reguladores y biomarcadores en el desarrollo de tumores y la enfermedad inflamatoria intestinal. Universidad Autónoma de Madrid. 22/04/2025. Sobresaliente.
2 **Master's Thesis:** Papel de la lámina A/C en el contexto del microambiente tumoral. Universidad Complutense de Madrid. 09/09/2024.
3 **Doctoral thesis:** La lamina A/C como modulador de la respuesta inmune mieloide en el contexto de infecciones virales y enfermedad inflamatoria intestinal. Universidad Autónoma de Madrid. 03/10/2023. Sobresaliente Cum Laude.
4 **Trabajo Fin de Master:** Papel de la Lamina A/C como modulador de la función y diferenciación de células mieloides derivadas de médula ósea. Universidad Complutense de Madrid. 06/07/2023.
5 **Trabajo Fin de Master:** Lamini A/C: a new therapeutic target for ulcerative colitis. Universidad Complutense de Madrid. 01/09/2022.
6 **Trabajo Fin de Grado:** Importancia de la dieta y el ejercicio en enfermedades con componente inmunes. Universidad Autónoma de Madrid. 15/07/2022.
7 **Trabajo Fin de Grado:** Prebióticos y Probióticos como tratamiento nutricional en la enfermedad inflamatorio intestinal. Universidad Autónoma de Madrid. 15/07/2022.

C.7. Teaching

1. Human and Clinical Immunology – Master Universitario en Investigación en Inmunología – 2024–2025 – 36,8 h – UCM. English.
2. Inmunología Humana y Clínica – Master Universitario en Investigación en Inmunología – 2024–2025 – 8 h – UCM
3. Trabajo Fin de Máster – Master Universitario en Investigación en Inmunología – 2024–2025 – 40 h – UCM
4. Inmunología – Grado en Medicina – 2024–2025 – 33 h – UCM
5. Human and Clinical Immunology – Master Universitario en Investigación en Inmunología – 2023–2024 – 54 h – UCM. English
6. Inmunología Humana y Clínica – Master Universitario en Investigación en Inmunología – 2023–2024 – 6 h – UCM
7. Trabajo Fin de Máster – Master Universitario en Investigación en Inmunología – 2023–2024 – 40 h – UCM
8. Inmunología – Grado en Medicina – 2023–2024 – 45 h – UCM
9. Inmunología– Grado en Medicina – 2022–2023 – 180 h – UCM
10. Fundamentos de Fisiología Integrativa – Máster de Práctica Clínica Avanzada en Circulación Extracorpórea y Perfusión – 2022 – 6 h – UAM
11. Fisiología – Grado en Ingeniería Biomédica – 2021–2022 – 6 h – UAM
12. Fisiología General – Grado en Medicina – 2021–2022 – 14 h – UAM
13. Fisiología Humana – Grado en Nutrición Humana y Dietética – 2021–2022 – 8 h – UAM
14. Fisiología Médica I – Grado en Medicina – 2021–2022 – 50 h – UAM
15. Fisiología Médica II – Grado en Medicina – 2021–2022 – 18 h – UAM
16. Fundamentos de Fisiología Integrativa – Diploma de Especialización ECMO/Asistencia Ventricular – 2021–2022 – 10 h – UAM
17. Ciclo de Seminarios de Investigación en Inmunología – Master en Investigación en Inmunología – 2022 – 2 h – UCM
18. Therapeutic Targets in Cardiovascular Pharmacology – Master en Investigación Farmacológica – 2020–2021 – 1 h – UAM. English.
19. Fisiología – Grado en Ingeniería Biomédica – 2020–2021 – 2 h – UAM

20. Fisiología Humana – Grado en Enfermería – 2020–2021 – 17 h – UAM
21. Fisiología Médica I – Grado en Medicina – 2020–2021 – 70,5 h – UAM
22. Fisiología Humana – Grado en Enfermería – 2019–2020 – 22 h – UAM
23. Fisiología Médica I – Grado en Medicina – 2019–2020 – 18 h – UAM
24. Fisiología Humana – Grado en Nutrición Humana y Dietética – 2018–2019 – 5 h – UAM