

Producción científica 2021

Artículos:

1. Bailén R*, Kwon M*, Pascual-Cascón MJ, Ferrà C, Sanz J, Gallardo-Morillo A, García-Sola A, Torrent A, Jiménez-Lorenzo MJ, Piñana JL, Montoro J, Oarbeascoa G, Dorado N, Gómez-Centurión I, Muñoz C, Martínez-Laperche C, Anguita J, Buño I, Díez-Martín JL, on behalf of Grupo Español de Trasplante Hematopoyético y Terapia Celular (GETH). Post-transplant cyclophosphamide for GVHD prophylaxis compared to ATG-based prophylaxis in unrelated donor transplantation. *Ann Hematol* 100:541-553, 2021. *Identical Contribution. PMID: 33140137. doi: 10.1007/s00277-020-04317-7.
2. Carbonell D, Suárez-González J, Chicano M, Andrés-Zayas C, Díez-Díez M, Rodríguez-Macías G, Muñiz P, Kwon M, Anguita J, Díez-Martín JL, Buño I*, Martínez-Laperche C*. Genetic biomarkers identify a subgroup of high-risk patients within low-risk NPM1-mutated acute myeloid leukemia. *Leuk Lymphoma* 62(5):1178-1186, 2021. *Idéntica Contribución. PMID: 33372822. doi: 10.1080/10428194.2020.1863400.
3. Andrés-Zayas C*, Suárez-González J*, Rodríguez-Macías G, Dorado N, Osorio S, Font P, Carbonell D, Chicano M, Muñiz P, Bastos M, Kwon M, Díez-Martín JL, Buño I**, Martínez-Laperche C**. Clinical utility of targeted next generation sequencing for the diagnosis of myeloid neoplasms with germline predisposition. *Molecular Oncology* 15(9):2273-2284, 2021. doi: 10.1002/1878-0261.12921. PMID: 33533142. *Primer Autor por Idéntica Contribución. **Último Autor por Idéntica Contribución. PMID: 33533142. doi: 10.1002/1878-0261.12921.
4. Solán L, Kwon M, Carbonell D, Dorado N, Landete E, Chicano-Lavilla M, Anguita J, Gayoso J, Díez-Martín JL, Martínez-Laperche C*, Buño I*. Elafin as a predictive biomarker of acute skin graft-versus-host disease after haploidentical stem cell transplantation using post-transplant high-dose cyclophosphamide. *Front Immunol* 12:516078, 2021. doi: 10.3389/fimmu.2021.516078. *Last Author, identical contribution. PMID: 33679728. doi: 10.3389/978-2-88966-734-5. Artículo incluido en el libro (ver apartado "Publicaciones en Libros): Novel Immunological Biomarkers for Allogeneic HSCT Outcome. 2021. Greco R, Ciceri F, Peccatori J, Snowden JA, Bonifazi F, eds. Lausanne: Frontiers Media SA. ISBN 978-2-88966-734-5. ISSN 1664-8714.
5. Suárez-González J, Seidel V*, Andrés-Zayas C*, Izquierdo E, Buño I. Novel biallelic variant in BBS9 causative Bardet-Biedl syndrome: expanding the spectrum of disease-causing genetic alterations. *BMC Medical Genomics* 14(1):91, 2021 (PMID: 33771153; DOI: 10.1186/s12920-021-00943-w). *identical contribution.
6. Muñiz P, Kwon M, Carbonell D, Chicano M, Bailén R, Oarbeascoa G, Suárez-González J, Andrés-Zayas C, Menárguez J, Dorado N, Gómez-Centurión I, Anguita J, Díez-Martín JL, Martínez-Laperche C*, Buño I*. Clinical utility of the detection of the loss of mismatched HLA in relapsed hematological patients after haploidentical stem cell transplantation with high-dose cyclophosphamide. *Front Immunol* 12:642087, 2021. (PMID: 33841425. doi: 10.3389/fimmu.2021.642087). *Last Author, identical contribution. Artículo incluido por la revista en una Colección Especial titulada "A year in review: Discussions in Alloimmunity and Transplantation" por ser uno de los más

visitados de la sección “Alloimmunity and Transplantation” de *Frontiers in Immunology* durante 2021.

7. Chicano M, Carbonell D, Suárez-González J, Lois S, Ballesteros-Culebras M, Andrés-Zayas C, Muñoz P, Rodríguez-Macías G, Bastos-Oreiro M, Font P, Ballesteros M, Kwon M, Anguita J, Díez-Martín JL, Buño I*, Martínez-Laperche C*. Next-generation cytogenetics in hematological neoplasms: detection of CNV and translocations. *Cancers* 13(12):3001, 2021. (PMID: 34203905. doi: 10.3390/cancers13123001).
*Idéntica Contribución.
8. Bastos-Oreiro M, Ortiz J, Salas E, Pradillo V, Martínez-Laperche C, Muñoz A, Buño I, Díez-Martín JL, Soria JM, Pascual-Izquierdo C. Incorporating genetic and clinical data into the prediction of thromboembolism risk in patients with lymphoma. *Cancer Medicine* 10(21):7585-7592, 2021. doi: 10.1002/cam4.4280. PMID: 34598309
9. Gil-Manso S, Carbonell D, López-Fernández L, Miguens I, Alonso-Fernández R, Buño I, Muñoz P, Ochando J, Pion M, Correa-Rocha R. Induction of high levels of specific humoral and cellular responses to SARS-CoV-2 after the administration of Covid-19 mRNA vaccines requires several days. *Frontiers in Immunology* 12:726960, 2021. doi: 10.3389/fimmu.2021.726960. PMID: 34671348.
10. Bastos-Oreiro M, Suárez-González J, Andrés-Zayas C, Carrión NC, Moreno S, Carbonell D, Chicano M, Muñoz P, Sanz L, Díaz-Crespo FJ, Menárguez J, Díez-Martín JL, Buño I*, Martínez-Laperche C*. Incorporation of next-generation sequencing in clinical practice using solid and liquid biopsy for patients with non-Hodgkin’s lymphoma. *Scientific Reports* 11(1):22815, 2021. doi: 10.1038/s41598-021-02362-4. PMID: 34819573.
*Idéntica Contribución.
11. Laura Pérez-Lago, Martha Kestler, Pedro J.Sola-Campoy, Cristina Rodríguez-Grande, Rubén Francisco Flores-García, Sergio Buenestado-Serrano, Marta Herranz, Luis Alcalá, Carolina Martínez Laperche, Julia Suárez-González, Pilar Catalán, Patricia Muñoz, and Darío García de Viedma. SARS-CoV-2 superinfection and reinfection with three different strains. Short Communication. *Transboundary and emerging diseases*. 2021;1-6.
12. Laura Pérez-Lago, Leire Pérez Latorre, Marta Herranz, Francisco Tejerina, Pedro J Sola-Campoy, Jon Sicilia, Julia Suarez Gonzalez, Cristina Andrés-Zayas, Álvaro Chiner-Oms, Santiago Jiménez-Serrano, Neris García-González, Iñaki Comas, Fernando González-Candelas, carolina martinez laperche, Pilar Catalán, Patricia Muñoz, and Darío García de Viedma. A complete analysis of the epidemiological scenario around a SARS-CoV-2 reinfection: previous infection events and subsequent transmission. *mSphere*;6(5).0596-21.2021.Q1. PMID: 34494886. doi: 10.1128/mSphere.00596-21.
13. Laura Pérez Lago; Marina Machado; Marta Hrranz; pedro Sola Campoy; Julia Suarez Gonzalez; carolina Martinez Laperche; Iñaki Comas; Luis Alcalá; Pilar catalan; patricia Muñoz; Darío García de Viedma. Host genetic analysis should be mandatory for proper classification of COVID-19 reinfections. *Open Forum Infectious Diseases*. 2021 Aug 3;8(9):ofab402. PMID: 34552994. doi: 10.1093/ofid/ofab402. Q2. Letter.
14. Laura Pérez-Lago, Helena Martínez Lozano, Jose Antonio Pajares Díaz, Arantxa Díaz Gómez, Marina Machado, Pedro J Sola-Campoy, Marta Herranz, Maricela Valerio,

María Olmedo, Julia Suarez gonzalez, Victor Quesada Cubo, Maria del Mar Gómez Ruiz, Nieves López-Fresneña, Ignacio Sánchez Arcilla, Iñaki Comas, Fernando González-Candelas, Sonia García de San José, Rafael Bañares, Pilar Catalán, Patricia Muñoz, and Dario García-de-Viedma. Overlapping of independent SARS-CoV-2 nosocomial transmissions in a complex outbreak. *mSphere*. Q1. 2021 Aug 25;6(4):e0038921. doi: 10.1128/mSphere.00389-21. Epub 2021 Aug 4. PMID: 34346709.

15. Laura Perez-Lago, Teresa Aldamiz, Rita Garcia Martinez, Leire Perez-Latorre, Marta Herranz, Pedro Sola Campoy, Julia Suarez Gonzalez, Carolina martinez Laperche, Iñaki Comas, Fernando Gonzalez Candelas, Pilar Catalán, Patricia Muñoz, Darío García de Viedma. Different within-host viral evolution dynamics in severely immunosuppressed cases with persistent SARS-CoV-2. *Biomedicine*. 2021 Jul 13;9(7):808.doi: 10.3390/biomedicine9070808. PMID: 34356872.
16. Laura Pérez-Lago, Pedro J Sola Campoy, Sergio Buenestado-Serrano, Pilar Catalán, Agustín Estévez, Victor Manuel de la Cueva, Mariana G López, Marta Herranz, Julia Suárez-González, Luis Alcalá, Iñaki Comas, Fernando González-Candelas, Patricia Muñoz, Darío García de Viedma. Epidemiological and genomic snapshot of the first 100 B.1.1.7 SARS-CoV-2 cases in Madrid. *Journal of Travel Medicine*. 2021. 2021 Jun 1;28(4):taab044. doi: 10.1093/jtm/taab044. PMID: 33763697.