

Curriculum Vitae Mercedes Gomez de Agüero Tamargo

Personal Data

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Selection of peer-reviewed research articles:

1. Jakob MO, Spari D, Sanchez-Taltavull D, *et int*, **Gomez de Agüero M[#]**, Beldi G[#]. ILC3 restrict the dissemination of intestinal bacteria to safeguard liver regeneration after surgery. *Cell Rep*. 2023 Mar 28;42(3):112269. doi: 10.1016/j.celrep.2023.112269.
2. Shmeleva EV, **Gomez de Agüero M**, Wagner J, *et int*, Smith GL. Smallpox vaccination induces a substantial increase in commensal skin bacteria that promote pathology and enhance immunity. *PLoS Pathog*. 2022 Apr 21;18(4):e1009854. doi: 10.1371/journal.ppat.1009854.
3. Feuerstein R, Forde AJ, Lohrmann F, *et int*, **Gomez de Agüero M**, Henneke P. Resident macrophages acquire innate immune memory in staphylococcal skin infection. *Elife*. 2020 Jul 8;9:e55602. doi: 10.7554/eLife.55602.
4. Obata Y, Boeing S, Castaño I, Bon-Frauches AC, **Gomez de Agüero M**, *et int*, Pachnis V. Neuronal programming by microbiota enables environmental regulation of intestinal motility. *Nature*. 2020 Feb;578(7794):284-289. doi: 10.1038/s41586-020-1975-8.
5. Uchimura Y, Fuhrer T, Li H, *et int*, **Gomez de Agüero M**, *et int*, Macpherson AJ. Antibodies set boundaries limiting microbial metabolite penetration and the resultant mamalian host reponse. *Immunity*. 2018 Sep 18;49(3):545-559.e5. doi: 10.1016/j.immuni.2018.08.004.
6. Hacini-Rachinel F, **Gomez de Agüero M**, Kanjarawi R, *et int*, Kaiserlian D. Intestinal dendritic cell licensing through TLR4 is required for oral tolerance in allergic contact dermatitis. *J Allergy Clin Immunol*. 2018 Jan;141(1):163-170. doi: 10.1016/j.jaci.2017.02.022.
7. Macpherson AJ, **Gomez de Agüero M**, Ganai-Vonarburg SC. How nutrition and the maternal microbiota shape the neonatal immune system. *Nat Rev Immunol*. 2017 Aug;17(8):508-517. doi: 10.1038/nri.2017.58.
8. Ganai-Vonarburg SC, Fuhrer T, **Gomez de Agüero M**. Maternal microbiota and antibodies as advocates of neonatal health. *Gut Microbes*. 2017 Sep 3;8(5):479-485. doi: 10.1080/19490976.2017.1299847.
9. **Gomez de Agüero M^{*}**, Ganai-Vonarburg S^{*}, Fuhrer T, *et int*, Macpherson AJ. The maternal microbiota drives early postnatal innate immune development. *Science*. 2016 Mar 18;351(6279):1296-302. doi: 10.1126/science.aad2571.
10. **Gomez de Agüero M**, Vocanson M, Hacini-Rachinel F, *et int*, Dubois B. Epidermal Langerhans cells protect to allergic contact dermatitis by tolerizing CD8⁺ T cells and activating Foxp3⁺ regulatory T cells. *J Clin Invest*. 2012 May;122(5):1700-11. doi: 10.1172/JCI59725.