

Stanford

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Bio

BIO

Postdoctoral Scholar, VIB - Flanders Institute for Biotechnology (Belgium) (2021)

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STANFORD ADVISORS

- Juliana Idoyaga, Postdoctoral Research Mentor
- Jan Carette, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Transitional dendritic cells are distinct from conventional DC2 precursors and mediate proinflammatory antiviral responses.** *Nature immunology*
Sulczewski, F. B., Maqueda-Alfaro, R. A., Alcantara-Hernandez, M., Perez, O. A., Saravanan, S., Yun, T. J., Seong, D., Arroyo Hornero, R., Raquer-McKay, H. M., Esteva, E., Lanzar, Z. R., Leylek, R. A., Adams, et al
2023
- **Rapid recruitment and IFN-I-mediated activation of monocytes dictate focal radiotherapy efficacy.** *Science immunology*
Tadepalli, S., Clements, D. R., Saravanan, S., Arroyo Hornero, R., Lüdtke, A., Blackmore, B., Paulo, J. A., Gottfried-Blackmore, A., Seong, D., Park, S., Chan, L., Kopecky, B. J., Liu, et al
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- **Plasmacytoid dendritic cells: A dendritic cell in disguise.** *Molecular immunology*
Arroyo Hornero, R., Idoyaga, J.
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- **Sodium perturbs mitochondrial respiration and induces dysfunctional Tregs** *CELL METABOLISM*
Corte-Real, B. F., Hamad, I., Hornero, R., Geisberger, S., Roels, J., Van Zeebroeck, L., Dyczko, A., van Gisbergen, M. W., Kurniawan, H., Wagner, A., Yoset, N., Weiss, S. Y., Schmetterer, et al
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- **Dissecting the role of CSF2RB expression in human regulatory T cells** *FRONTIERS IN IMMUNOLOGY*
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- **The Charcot-Leyden crystal protein Galectin-10 is not a major determinant of human regulatory T-cell function** *ALLERGY*
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- **Fast and Efficient Genome Editing of Human FOXP3(+) Regulatory T Cells** *FRONTIERS IN IMMUNOLOGY*
Van Zeebroeck, L., Hornero, R., Corte-Real, B. F., Hamad, I., Meissner, T. B., Kleinewietfeld, M.
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● **CD70 expression determines the therapeutic efficacy of expanded human regulatory T cells** *COMMUNICATIONS BIOLOGY*

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● **The Impact of Dietary Components on Regulatory T Cells and Disease** *FRONTIERS IN IMMUNOLOGY*

Hornero, R., Hamad, I., Corte-Real, B., Kleinewietfeld, M. 2020; 11: 253

● **CD45RA Distinguishes CD4(+)CD25(+)CD127(-/low) TSDR Demethylated Regulatory T Cell Subpopulations With Differential Stability and Susceptibility to Tacrolimus-Mediated Inhibition of Suppression** *TRANSPLANTATION*

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