

Curriculum Vitae

Ana Pardo-Saganta Professor, Dr. (PhD)
d.o.b. December 13th, 1981, in Jaca, Spain

University Education

1999-2003 Master studies in Biology, University of Navarra, Spain
2003-2008 PhD in Liver Regeneration and Liver Disease, University of Navarra, Spain

Scientific Career

2009-2014 Postdoctoral fellow, Massachusetts General Hospital, Center for Regenerative Medicine, Boston, USA
2014-2016 Instructor in Medicine, Harvard Medical School, Faculty of Medicine, Boston, USA.
2014-2016 Assistant in Biology, Massachusetts General Hospital, Dept. of Pulmonary and Critical Care, Boston, USA.
2016-2021 Principal Investigator, CIMA University of Navarra, Dept. of Regenerative Medicine, Pamplona, Spain.
2021- Professor (W3), Institute for Lung Health, Justus Liebig University, Dept. of Medicine, Giessen, Germany
Faculty member of the Universities of Giessen and Marburg (UGMLC), Germany
Faculty member of the Excellence-Cluster Cardio-Pulmonary Institute (CPI), Germany

Awards and Honors

2003-2006 Teaching Assistant of Genetics, University of Navarra, Spain.
2013 Mentor of the Best Thesis Award to Brandon Law, Dept. Stem Cell and Regenerative Biology, Harvard University
2016 Ramon y Cajal Award, Ministry of Science, Spanish Government
2021 Certificate I3, Ministry of Science, Spanish Government
2021 Young Investigator Award, Fundación AstraZeneca
2021 Scientific Committee of the Spanish Research Agency
2021 Co-Organizer Fusion Virtual Conference “Epithelial stem cell – niche interactions in Lung Development, Homeostasis, Regeneration and Disease”
2024 Co-Organizer Fusion Conference “3rd Epithelial Mesenchymal Interactions in Lung Development and Fibrosis”, Malta.
2024 Co-Organizer Workshop “Emerging concepts and novel mechanisms in organ fibrosis”, Málaga, Spain.
2026 Co-Organizer Fusion Conference “4th Epithelial Mesenchymal Interactions in Lung Development and Fibrosis”, Cancun, Mexico
since 2016 Reviewer for scientific journals and funding agencies (e.g. Nature, Science, Cell Stem Cell, Sci. Trans. Med., Cell Rep., Dev. Cell, Nat. Commun., Nat. Aging, Front Cell and Dev Biol., Development, AEI (Spanish Research Agency), AAC (Agencia Andaluza del Conocimiento)).
2019-2022 Faculty Member SEPAR (Spanish Pneumology and Thoracic Surgery Society)
since 2019 Faculty Member ERS (European Respiratory Society)
since 2022 Faculty Member of German Center for Lung Research (DZL)

Citation Record

Publications: 26 Total citations: 2687; h-index: 20 (Google Scholar March 31st, 2026)

Top-10 selected Publications

1. Zaragosi LE*, Salwig I*, Wasnick RM*, Lehmann M*, **Pardo-Saganta A.** Cellular plasticity and regenerative mechanisms in the lung. **Eur Respir Rev.** **2026**, 35(179):250168. doi: 10.1183/16000617.0168-2025.
2. Merkt W., Rodon L., Deicher F. S., Freitag M., Claus M., Lister R., Han H., Zhou Y., Horne A., Stütz A., Li Y-N., Kreuter M., Kahn N., Schneider M. A., Egea-Zorrilla A., Blasco-Iturri Z., Nikulina N., Turkowski K., Ruppert C., Guenther A., Rizzo R., Rizzo S., Ferraresi M., Hübschmann D., Haas S., Blank N., Watzl C., Tykocinski L-O., Lorenz H-M., Savai R., **Pardo-Saganta A.**, Lagares D. Natural killer Cell Immunotherapy Reverses Lung Fibrosis by Eliminating Senescent Fibroblasts. **Science Translational Medicine**, **2026**, in press
3. Ruiz-Villalba A*, **Pardo-Saganta A***. Emerging concepts and novel mechanisms in organ fibrosis. **NPJ Regen Med.** **2025**,10(1): 57. doi: 10.1038/s41536-025-00446-7.
4. Kooistra T., Saez B., Roche M., Egea-Zorrilla A., Li D., Anketell D., Nguyen N., Villoria J., Jacob Gillis J., Petri E., Vera L., Blasco-Iturri Z., Smith N.P., Alladina J., Zhang Y., Vinarsky V., Shivaraju M., Sheng S.L., Gonzalez-Celeiro M., Mou H., Waghay A., Lin B., Paksa A., Yanger K., Tata P.R., Zhao R., Causton B., Zulueta J.J., Prosper F., Cho J.L., Villani A-C., Haber A., Rajagopal J., Medoff B.D., **Pardo-Saganta A.** Airway basal stem cells are necessary for the maintenance of functional intraepithelial airway macrophages. **Cell Reports** **2025**, 44 (6): 115860. <https://doi.org/10.1016/j.celrep.2025.115860>.
5. Viñado AC, Calvo IA, Cenzano I, Olaverri D, Cocera M, San Martin-Uriz P, Romero JP, Vilas-Zornoza A, Vera L, Gomez-Cebrian N, Puchades-Carrasco L, Lisi-Vega LE, Apaolaza I, Valera P, Guruceaga E, Granero-Molto F, Ripalda-Cemborain P, Luck TJ, Bullinger L, Planes FJ, Rifon JJ, Méndez-Ferrer S, Yusuf RZ*, **Pardo-Saganta A***, Prosper F*, Saez B*. The bone marrow niche regulates redox and energy balance in MLL::AF9 leukemia stem cells. **Leukemia.** **2022** 36(8):1969-1979.
6. Vera L., Garcia-Olloqui, P., Petri E., Viñado A.C., Valera P.S., Blasco-Iturri Z., Calvo I.A, Cenzano I., Ruppert C., Zulueta J.J, Prosper F., Saez B*, **Pardo-Saganta A***. Notch3 deficiency attenuates pulmonary fibrosis and impedes lung function decline. **Am J Respir Cell Mol Biol**, **2021**, Apr;64(4):465-476.
7. **Pardo-Saganta A**, Tata PR, Law BM, Saez B, Chow RDz, Prabhu M., Gridley, T, Rajagopal J. Parent stem cells can serve as niches for their daughter cells. **Nature.** **2015** Jul 30;523(7562):597-601.
8. **Pardo-Saganta A**, Law B, Tata PR, Villoria J, Saez B, Mou H, Zhao R, Rajagopal J. Injury induces direct lineage segregation of functionally distinct airway basal stem/progenitor cell subpopulations. **Cell Stem Cell.** **2015** Feb 5;16(2):184-97.
9. Tata PR, Mou H, **Pardo-Saganta A**, Zhao R, Prabhu M, Law BM, Vinarsky V, Cho JL, Breton S, Sahay A, Medoff BD, Rajagopal J. Dedifferentiation of committed epithelial cells into stem cells *in vivo*. **Nature.** **2013** Nov 14;503 (7475):218-23.
10. **Pardo-Saganta A**, Law BM, Gonzalez-Celeiro M, Vinarsky V, Rajagopal J. Ciliated cells of pseudostratified airway epithelium do not become mucous cells after OVA challenge. **Am J Respir Cell Mol Biol.** **2013** Mar;48(3):364-73.