

## *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

### **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”  
since 2016 Reviewer for scientific journals and funding agencies (e.g. Cell Stem Cell, 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 Excellence Cluster “Cardio-Pulmonary-Institute”  
since 2022 Faculty Member of German Center for Lung Research (DZL)  
since 2022 Co-Organizer Fusion Conference “3<sup>rd</sup> Epithelial Mesenchymal Interactions in Lung Development and Fibrosis” Tulum, Mexico.

### **Citation Record**

Publications: 22 Total citations: 1514; h-index:14 (Google Scholar August 22<sup>nd</sup>, 2022)

## Top-10 selected Publications

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 Aug;36(8):1969-1979. \* equal contribution.

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.

Bárcena-Varela M., Paish HL., Álvarez L., Uriarte I., Latasa MU., Santamaría E., Recalde M., Gárate M., Clavería A., Colyn L., Arechederra M., Iraburu MJ., Milkiewicz M., Milkiewicz P., Sangro B., Robinson SM., French J., **Pardo-Saganta A.**, Oyarzábal J., Prósper F., Rombouts K., Oakley F., Mann J., Berasain C., Avila MA., Fernández-Barrena MG. Epigenetic mechanisms and metabolic reprogramming in fibrogenesis: Dual targeting of G9a and DNMT1 for the inhibition of liver fibrosis. **Gut**, 2020, Feb;70(2):388-400.

**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.

**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.

Saez B, Ferraro F, Yusuf RZ, Cook CM, Yu VW, **Pardo-Saganta A**, Sykes SM, Palchaudhuri R, Schajnovitz A, Lotinun S, Lymperi S, Mendez-Ferrer S, Del Toro R, Day R, Vasic R, Acharya SS, Baron R, Lin CP, Yamaguchi Y, Wagers AJ, Scadden DT. Inhibiting stromal cell heparan sulfate synthesis improves stem cell mobilization and enables engraftment without cytotoxic conditioning. **Blood** 2014, 124(19): 2937-2947.

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.

Santamaria M, **Pardo-Saganta A**, Alvarez-Asiain L, Di Scala M, Qian C, Prieto J, Avila MA. Nuclear  $\alpha$ 1-antichymotrypsin promotes chromatin condensation and inhibits proliferation of human hepatocellular carcinoma cells. **Gastroenterology**. 2013 Apr;144(4):818-828.e4.

**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.

**Pardo-Saganta A**, Latasa MU, Castillo J, Alvarez L, Perugorria MJ, Sarobe P, Rodriguez-Ortigosa CM, Prieto J, Berasain C, Santamaría M, Avila MA. (2009) The EGFR ligand amphiregulin is a negative regulator of hepatic acute phase gene expression. **Journal of Hepatology** 2009, 51(6):1010-20.