

## *Curriculum Vitae*

**Borja Saez**                      PhD.  
d.o.b. April 12th, 1979, in Pamplona, Spain

### **University Education**

1997–2001      Bachelor's in Sciences, University of Navarra, Pamplona, Spain  
2006              PhD in Cellular and Molecular Biology, University of Navarra, Pamplona, Spain

### **Scientific Career**

1997-2001: BS in Biological Sciences, University of Navarra, Pamplona, Spain  
2001-2003: Masters in Cellular and Molecular Biology, University of Navarra, Pamplona, Spain.  
2001-2006: PhD in Biology (Summa Cum Laude), School of Sciences, University of Navarra, Pamplona, Spain.  
2006:              European PhD (Honorary). School of Sciences, University of Navarra, Pamplona, Spain.  
2006-2007: Postdoctoral Fellow, Center for Applied Medical Research, University of Navarra. Pamplona. Spain.  
2007-2011: Postdoctoral Fellow, Center for Regenerative Medicine, Massachusetts General Hospital and Harvard Medical School. Boston, MA, USA.  
2011-2014: Postdoctoral Fellow, Harvard Stem and Regenerative Biology Department. Harvard Faculty of Arts and Sciences. Cambridge, MA, USA.  
2011-2014: Assistant in Biology, Center for Regenerative Medicine, Massachusetts General Hospital. Boston, MA, USA.  
2011-2016: Instructor in Medicine, Harvard Medical School, Harvard University, Boston, MA, USA.  
2016-2022: Principal Investigator, Group Leader, Hematology-Oncology Department, CIMA Universidad de Navarra, Spain  
2024-              Senior Scientist, Institute for Lung Health - Justus Liebig University, German Center for Lung Research, Giessen, Germany

### **Awards and Honors**

2001-2002: PhD candidate fellowship from the Asociacion de Amigos de la Universidad de Navarra. Navarra, Spain  
2002-2005: Post-graduate grant from the Department of Education of the Gobierno de Navarra. Navarra, Spain  
2005-2006: PhD candidate fellowship from the Asociacion de Amigos de la Universidad de Navarra. Navarra, Spain  
2006:              European PhD (honorary). University of Navarra, Pamplona, Spain.  
2010-2012: Postdoctoral Fellowship from the Chamber of commerce of Navarra, Spain  
2012-2014: American Society of Hematology (ASH) Scholar Award.  
2012:              ASH Abstract Achievement Award Recipients. American Society of Hematology.  
2014-2016: Blavatnik Biomedical Accelerator Award at Harvard University, Cambridge, MA, USA.  
2017-2022: Scholar of the Spanish Cancer Society (AECC).

## Citation Record

Total citations: 5412; h-index:27; h-index since 2021: 23 (Google Scholar April 10th, 2026)

## Top-10 selected Publications

Li D, Viñado AC, Garcia-Olloqui P, Montesi SB, Shea BS, Christian L, Vazquez-Urío I, Aguirre-Ruiz P, Ariceta B, Neubert M, Tripathy A, Barua N, Valera PS, Vera L, Petri E, Prasse A, Seeliger B, Vilas A, Martin PS, Calasanz MJ, Prosper F, Miller PG, Seeger W, Heidel FH, Schupp JC, **Saez B**, Pardo-Saganta A. Clonal Hematopoiesis Instructs Maladaptive Tissue Repair to Promote Fibrosis. *bioRxiv*. 2026 Mar 26:2026.03.24.710438. doi: 10.64898/2026.03.24.710438.

Kooistra T, **Saez B**, Roche M, Egea-Zorrilla A, Li D, Anketell D, Nguyen N, Villoria J, Gillis J, Petri E, Vera L, Blasco-Iturri Z, Smith NP, Alladina J, Zhang Y, Vinarsky V, Shivaraju M, Sheng SL, Chen M, Gonzalez-Celeiro M, Mou H, Waghay A, Lin B, Paksa A, Yanger K, Tata PR, Zhao R, Causton B, Zulueta JJ, Prosper F, Cho JL, Villani AC, Haber A, Rajagopal J, Medoff BD, Pardo-Saganta A. Airway basal stem cells are necessary for the maintenance of functional intraepithelial airway macrophages. *Cell Rep*. 2025 Jun 24;44(6):115860. doi:10.1016/j.celrep.2025.115860.

Vinado 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, Mendez-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.

Egea-Zorrilla A, Vera L, **Saez B**, Pardo-Saganta A. Promises and Challenges of Cell-Based Therapies to Promote Lung Regeneration in Idiopathic Pulmonary Fibrosis. *Cells*. 2022;11(16).

Vera L, Garcia-Olloqui P, Petri E, Vinado AC, Valera PS, Blasco-Iturri Z, Calvo IA, Cenzano I, Ruppert C, Zulueta JJ, Prosper F, **Saez B**, Pardo-Saganta A. Notch3 Deficiency Attenuates Pulmonary Fibrosis and Impedes Lung Function Decline. *Am J Respir Cell Mol Biol*. 2021.

Yusuf R, **Saez B**, Sharda A, van Gastel N, Yu V, Baryawno N, Scadden EW, Acharya SS, Chattopadhyay S, Huang C, Viswanathan V, S'Aulis D, Cobert J, Sykes DB, Keibler MA, Das S, Hutchinson JN, Churchill M, Mukherjee S, Lee D, Mercier FE, Doench J, Bullinger L, Logan DJ, Schreiber S, Stephanopoulos G, Rizzo WB, Scadden DT. Aldehyde dehydrogenase 3a2 protects AML cells from oxidative death and the synthetic lethality of ferroptosis inducers. *Blood*. 2020.

Alameda D, **Saez B**, Lara-Astiaso D, Sarvide S, Lasa M, Alignani D, Rodriguez I, Garate S, Vilas A, Paiva B, Alfonso-Olmos M, De Espinosa JML, Prosper F, Miguel JFS, Maiso P. Characterization of freshly isolated bone marrow mesenchymal stromal cells from healthy donors and patients with multiple myeloma: transcriptional modulation of the microenvironment. *Haematologica*. 2020;105(9):e470-473.

**Saez B**, Walter MJ, Graubert TA. Splicing factor gene mutations in hematologic malignancies. *Blood*. 2017;129(10):1260-1269.

Ramasamy S, **Saez B**, Mukhopadhyay S, Ding D, Ahmed AM, Chen X, Pucci F, Yamin R, Wang J, Pittet MJ, Kelleher CM, Scadden DT, Sweetser DA. Tle1 tumor suppressor negatively regulates inflammation in vivo and modulates NF-kappaB inflammatory pathway. *Proc Natl Acad Sci U S A*. 2016;113(7):1871-1876.

Palchaudhuri R, **Saez B**, Hoggatt J, Schajnovitz A, Sykes DB, Tate TA, Czechowicz A, Kfoury Y, Ruchika F, Rossi DJ, Verdine GL, Mansour MK, Scadden DT. Non-genotoxic conditioning for hematopoietic stem cell transplantation using a hematopoietic-cell-specific internalizing immunotoxin. *Nat Biotechnol*. 2016;34(7):738-745.