

## Curriculum Vitae

**Rocio Sotillo**

**Prof. Dr.**

d.o.b. May 22<sup>nd</sup>, 1975, Madrid, Spain

### Education

2002 PhD in Molecular Oncology  
1993–1998 BSc in Pharmacy. San Pablo-CEU University, Madrid, Spain

### Professional Experience

Since 2015 Division Head of Molecular Thoracic Oncology (2015–Present)  
German Cancer Research Center (DKFZ), Heidelberg, Germany  
2010–2015 Staff Scientist. European Molecular Biology Laboratory (EMBL), Rome, Italy  
2003–2010 Research Associate & Postdoctoral Fellow  
Memorial Sloan-Kettering Cancer Center, New York, USA

### Awards and Honors

2024–Present Scientific Advisory Board Member, Lung Cancer Research Foundation (USA)  
2022–2027 Horizon 2020 INSPIRE Grant (co-PI, 200.000 €)  
2022–2024 Worldwide Cancer Research Grant (250.000 €)  
2018 Takeda Oncology Award (1st Prize) (30.000 €)  
Since 2015 German Center for Lung Research (DZL) (150.000 €/year)  
2012–2016 Howard Hughes International Early Career Scientist Award (750.000 \$)  
2011–2017 ERC Starting Grant (MadCIN Project) (1.500.000 €)  
2010 – 2012 United Against Lung Cancer Award, MSKCC, USA (100.000 \$)  
2008 Memorial Sloan Kettering Cancer Center Research Fellow Award, USA  
2005 – 2007 Charles H. Revson Foundation Postdoctoral Fellowship, New York, USA  
2003 – 2005 Caja Madrid Foundation Postdoctoral Fellowship, MSKCC, New York, USA  
1999 – 2000 Predoctoral Fellowship, the Spanish Ministry of Health, CNIO, Spain  
1998 – 1999 Predoctoral Fellowship, Spanish Association for Cancer Research, CNIO, Spain

### Citation Record

Total citations: 6897; h-index:28; i10-index: 34 (Google Scholar March 6th, 2026)

### Top-10 selected Publications

Diaz-Jimenez A, Shuldiner EG, Somogyi K, Shih K, Gonzalez-Velasco O, Najajreh M, Kim S, Akkas F, Murray CW, Andrejka L, Tsai MK, Brors B, Hofmann I, Sivakumar S, Sisoudiya SD, Sokol ES, Cai H, Petrov DA, Winslow MM, **Sotillo R**. EML4-ALK variant-specific genetic interactions shape lung tumorigenesis. **Cancer Discov.** 2025 Sep 23;10.1158/2159-8290.CD-24-1417. doi: 10.1158/2159-8290.CD-24-1417.  
Diaz-Jimenez A, Ramos M, Helm B, Chocarro S, Frey DL, Agrawal S, Somogyi K, Klingmüller U, Lu J, **Sotillo R**. Concurrent inhibition of ALK and SRC kinases disrupts the ALK lung tumor cell proteome. **Drug Resist Updat.** 2024 May;74:101081. doi: 10.1016/j.drup.2024.101081.

Horvat NK, Chocarro S, Marques O, Bauer TA, Qiu R, Diaz-Jimenez A, Helm B, Chen Y, Sawall S, Sparla R, Su L, Klingmüller U, Barz M, Hentze MW, **Sotillo R\***, Muckenthaler MU\*. Superparamagnetic Iron Oxide Nanoparticles Reprogram the Tumor Microenvironment and Reduce Lung Cancer Regrowth after Crizotinib Treatment.

**ACS Nano**. 2024 Apr 30;18(17):11025-11041. doi: [10.1021/acsnano.3c08335](https://doi.org/10.1021/acsnano.3c08335).

Alonso de la Vega A, Temiz NA, Tasakis R, Somogyi K, Salgueiro L, Zimmer E, Ramos M, Diaz-Jimenez A, Chocarro S, Fernández-Vaquero M, Stefanovska B, Reuveni E, Ben-David U, Stenzinger A, Poth T, Heikenwälder M, Papavasiliou N, Harris RS, **Sotillo R**. Acute expression of human APOBEC3B in mice results in RNA editing and lethality.

**Genome Biol**. 2023 Nov 24;24(1):267. doi: [10.1186/s13059-023-03115-4](https://doi.org/10.1186/s13059-023-03115-4).

Kandala S, Ramos M, Voith von Voithenberg L, Diaz-Jimenez A, Chocarro S, Keding J, Brors B, Imbusch CD, **Sotillo R**. Chronic chromosome instability induced by Plk1 results in immune suppression in breast cancer. **Cell Rep**. 2023 Dec 26;42(12):113266. doi: [10.1016/j.celrep.2023.113266](https://doi.org/10.1016/j.celrep.2023.113266).

Chen Y, Toth R, Chocarro S, Weichenhan D, Hey J, Lutsik P, Sawall S, Stathopoulos GT, Plass C, **Sotillo R**. Club cells employ regeneration mechanisms during lung tumorigenesis.

**Nat Commun**. 2022 Aug 5;13(1):4557. doi: [10.1038/s41467-022-32052-2](https://doi.org/10.1038/s41467-022-32052-2).

Salgueiro L, Buccitelli C, Rowald K, Somogyi K, Kandala S, Korbel JO, **Sotillo R**. Acquisition of chromosome instability is a mechanism to evade oncogene addiction.

**EMBO Mol Med**. 2020 Mar 6;12(3):e10941. doi: [10.15252/emmm.201910941](https://doi.org/10.15252/emmm.201910941).

de Cárcer G, Venkateswaran SV, Salgueiro L, El Bakkali A, Somogyi K, Rowald K, Montañés P, Sanclemente M, Escobar B, de Martino A, McGranahan N, Malumbres M, **Sotillo R**. Plk1 overexpression induces chromosomal instability and suppresses tumor development.

**Nat Commun**. 2018 Aug 1;9(1):3012. doi: [10.1038/s41467-018-05429-5](https://doi.org/10.1038/s41467-018-05429-5).

Rowald K, Mantovan M, Passos J, Buccitelli C, Mardin BR, Korbel JO, Jechlinger M, **Sotillo R**. Negative Selection and Chromosome Instability Induced by Mad2 Overexpression Delay Breast Cancer but Facilitate Oncogene-Independent Outgrowth.

**Cell Rep**. 2016 Jun 21;15(12):2679-91. doi: [10.1016/j.celrep.2016.05.048](https://doi.org/10.1016/j.celrep.2016.05.048).

**Sotillo R**, Schwartzman JM, Socci ND, Benezra R. Mad2-induced chromosome instability leads to lung tumour relapse after oncogene withdrawal.

**Nature**. 2010 Mar 18;464(7287):436-40. doi: [10.1038/nature08803](https://doi.org/10.1038/nature08803).

**Sotillo R**, Hernando E, Díaz-Rodríguez E, Teruya-Feldstein J, Cordon-Cardo C, Lowe SW, Benezra R. Mad2 overexpression promotes aneuploidy and tumorigenesis in mice.

**Cancer Cell**. 2007 Jan;11(1):9-23. doi: [10.1016/j.ccr.2006.10.019](https://doi.org/10.1016/j.ccr.2006.10.019).