

Dr. Cristina Martín-Higueras



Dr. Cristina Martin Higueras is a medical doctor and molecular biologist from University of La Laguna (Spain), with special interest in the molecular pathology of rare metabolic diseases. Her PhD set up the basis for substrate reduction therapy in Primary Hyperoxaluria (PH) type 1, which has changed the therapeutic paradigm of this disease. As a postdoctoral researcher in Universitätsklinikum Bonn (Germany), she evaluated the immunological renal response in PH mouse models, and the natural history of PH type 3 European patients. Currently, she coordinates the Spanish PH patient registry (OxalSpain) and the biochemical procedures for improving diagnosis and follow up of PH patients in Spain, in collaboration with the German Hyperoxaluria Center (Bonn, Germany). She has organized two international PH meetings (Tenerife 2017, and Berlin 2022), and several PH patient meetings, as promoter of PH-Europe and Spanish Patient Advocacy groups (PH-Europe and APHES). Dr. Martin Higueras is the creator of the PHlower, the icon of Primary Hyperoxaluria.

ORCID: <https://orcid.org/0000-0003-1139-4642>

Highlighted publications:

<https://pubmed.ncbi.nlm.nih.gov/?term=martin-higueras+c&sort=date>

1. Martin-Higueras C, Borghese L, Torres A, Fraga-Bilbao F, Santana-Estupiñán R, Stefanidis CJ, Tory K, Walli A, Gondra L, Kempf C, Gessner M, Habbig S, Eifler L, Schmitt CP, Rüdel B, Bartram MP, Beck BB, Hoppe B. Multicenter Long-Term Real World Data on Treatment With Lumasiran in Patients With Primary Hyperoxaluria Type 1. *Kidney Int Rep.* 2023 Oct 6;9(1):114-133. doi: 10.1016/j.ekir.2023.10.004. PMID: 38312792; PMCID: PMC10831356.
2. Hoppe B, Martin-Higueras C. Improving Treatment Options for Primary Hyperoxaluria. *Drugs.* 2022 Jul;82(10):1077-1094. doi: 10.1007/s40265-022-01735-x. Epub 2022 Jul 2. PMID: 35779234; PMCID: PMC9329168.
3. Martin-Higueras C, Garrelfs SF, Groothoff JW, Jacob DE, Moochhala SH, Bacchetta J, Acquaviva C, Zaniew M, Sikora P, Beck BB, Hoppe B. A report from the European Hyperoxaluria Consortium (OxalEurope) Registry on a large cohort of patients with primary hyperoxaluria type 3. *Kidney Int.* 2021 Sep;100(3):621-635. doi: 10.1016/j.kint.2021.03.031. Epub 2021 Apr 16. PMID: 33865885.
4. Moya-Garzón MD, Martín Higueras C, Peñalver P, Romera M, Fernandes MX, Franco-Montalbán F, Gómez-Vidal JA, Salido E, Díaz-Gavilán M. Salicylic Acid Derivatives Inhibit Oxalate Production in Mouse Hepatocytes with Primary Hyperoxaluria Type 1. *J Med Chem.* 2018 Aug 23;61(16):7144-7167. doi: 10.1021/acs.jmedchem.8b00399. Epub 2018 Aug 6. PMID: 30028141.
5. Martin-Higueras C, Luis-Lima S, Salido E. Glycolate Oxidase Is a Safe and Efficient Target for Substrate Reduction Therapy in a Mouse Model of Primary Hyperoxaluria Type I. *Mol Ther.* 2016 Apr;24(4):719-25. doi: 10.1038/mt.2015.224. Epub 2015 Dec 22. PMID: 26689264; PMCID: PMC4886931.