Dr. rer. nat. HELENA ESCOBAR FERNANDEZ

01/2016 – now	*Postdoctoral researcher* Experimental and Clinical Research Center, a joint cooperation of Charité Universitätsmedizin Berlin and the Max-Delbrück Center for Molecular Medicine, Germany Mentor: Prof. Dr. Simone Spuler

Experience and Training

11/2015	Ph.D. degree with distinction (*summa cum laude*), Freie Universität Berlin, Germany
02/2011 – 09/2015	PhD student. Max-Delbrück Center for Molecular Medicine, Germany Mentor: Dr. Zsuzsanna Izsvák
07/2010 – 09/2010	M.Sc. research internship. Institute of Molecular Medicine, Trinity College Dublin, Ireland Mentor: Dr. Aideen Long
2009 – 2010	Master of Science Biomedicine, Universidad de Barcelona, Spain
10/2009 – 06/2010	M.Sc. thesis. Institut d'Investigacions Biomèdiques August Pi i Sunyer, Hospital Clínic of Barcelona, Spain Mentor: Dr. Antonio Postigo
2008 – 2009	Erasmus Programme, Università degli Studi di Teramo, Italy
2004 – 2009	Bachelor of Science Biotechnology, Universidad de León, Spain

Grants & Awards

2016 – now	Postdoc fellowship, Stiftung Gisela-Krebs
2020	Meritorious abstract travel award, ASGCT Annual Meeting, American Society for Gene and Cell Therapy
2019	Poster award, WMS congress, World Muscle Society

2014 – 2015	4th year PhD scholarship, Association française contre les myopathies (AFM-Telethon)
2011 – 2014	PhD scholarship, MyoGRAD International Research Training Group for Myology
2010	Student Mobility Program Grant, Eurolife University Network. Funding of a M.Sc. academic research exchange at the Trinity College Dublin.

Papers

(1) Metzler E, Telugu N, Diecke S, Spuler S, **Escobar H** (2020) Generation of two human induced pluripotent stem cell lines derived from myoblasts (MDCi014-A) and from peripheral blood mononuclear cells (MDCi014-B) from the same donor. *Stem Cell Res*. 2020; 48:101998.

(2) Metzler E, Telugu N, Diecke S, Spuler S, **Escobar H** (2020) Generation of three age and gender matched pairs of human induced pluripotent stem cells derived from myoblasts (MDCi011-A, MDCi012-A, MDCi013-A) and from peripheral blood mononuclear cells (MDCi011-B, MDCi012-B, MDCi013-B) from the same donor. *Stem Cell Res*. 2020; 48:101987.

(3) Marg A, **Escobar H**, Karaiskos N, Grunwald SA, Metzler E, Kieshauer J, Sauer S, Pasemann D, Malfatti E, Mompoint D, Quijano-Roy S, Boltengagen A, Schneider J, Schülke M, Kunz S, Carlier R, Birchmeier C, Amthor H, Spuler A, Kocks C, Rajewsky N, Spuler S. (2019) Human muscle-derived CLEC14A-positive cells regenerate muscle independent of PAX7. *Nat Commun*. 2019; 10(1):5776.

(4) Malcher J, Heidt L, Goyenvalle A, **Escobar H**, Marg A, Beley C, Benchaouir R, Bader M, Spuler S, García L, Schöwel V. (2018) Exon Skipping in a Dysf-Missense Mutant Mouse Model. *Mol Ther Nucleic Acids*. 2018; 13:198-207.

(5) Kufeld M, **Escobar H**, Marg A, Pasemann D, Budach V, Spuler S. (2017) Localized irradiation of mouse legs using an image-guided robotic linear accelerator. *Ann Transl Med*. 2017; 5(7):156.

(6) **Escobar H**, Schöwel V, Spuler S, Marg A, Izsvák Z. (2016) Full-length Dysferlin Transfer by the Hyperactive Sleeping Beauty Transposase Restores Dysferlin-deficient Muscle. *Mol Ther Nucleic Acids*. 2016; 5(1):e277.

(7) Marg A, **Escobar H**, Gloy S, Kufeld M, Zacher J, Spuler A, Birchmeier C, Izsvák Z, Spuler S. (2014) Human satellite cells have regenerative capacity and are genetically manipulable. *J Clin Invest*. 2014; 124(10):4257-65.