

Dr. rer. nat. HELENA ESCOBAR FERNANDEZ

Seit 01/2016 *Wissenschaftlich Mitarbeiterin* am Experimental and Clinical Research Center von Charité, Universitätsmedizin Berlin und dem Max-Delbrück-Zentrum für Molekulare Medizin, Berlin, Deutschland
Mentorin: Prof. Dr. Simone Spuler

Erfahrung und Ausbildung

11/2015 PhD (*summa cum laude*), Freie Universität Berlin, Germany

02/2011 – 09/2015 PhD Studium, Max-Delbrück Center für Molekulare Medizin, Berlin, Deutschland
Mentorin: Dr. Zsuzsanna Izsvák

07/2010 – 09/2010 M.Sc. Forschungspraktikum, Institute of Molecular Medicine, Trinity College Dublin, Irland
Mentor: Dr. Aideen Long

2009 – 2010 Master of Science Biomedizin, Universidad de Barcelona, Spanien

10/2009 – 06/2010 M.Sc. These, Institut d'Investigacions Biomèdiques August Pi i Sunyer, Hospital Clínic of Barcelona, Spanien
Mentor: Dr. Antonio Postigo

2008 – 2009 Erasmus Programm, Università degli Studi di Teramo, Italien

2004 – 2009 Bachelor of Science Biotechnologie, Universidad de León, Spanien

Förderungen und Auszeichnungen

Seit 2016 Postdoc Stipendium, 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 Stipendium, Association française contre les myopathies

(AFM-Telethon), Frankreich

- 2011 – 2014 PhD Stipendium, MyoGRAD International Research Training Group for Myology, Berlin, Deutschland
- 2010 Student Mobility Program Grant, Eurolife University Network. Finanzierung eines akademischen M.Sc. Forschungsaustausches am Trinity College Dublin, Irland

Publikationen

- (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, Mompoin 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.