Dr. rer. nat. ERIC METZLER

2019 – now	*Postdoc* Muscle Research Unit Experimental and Clinical Research Center- joint cooperation of Charité, Universitätsmedizin Berlin and the Max Delbrück Center for Molecular Medicine; Berlin, Germany Mentor: Prof. Dr. Simone Spuler

Experience and Training

2015 – 2019	PhD Student, Muscle Research Unit Experimental and Clinical Research Center- joint cooperation of Charité, Universitätsmedizin Berlin and the Max Delbrück Center for Molecular Medicine; Berlin, Germany Mentor: Prof. Dr. Simone Spuler
2015 – 2019	Dr. rer. nat. in Biochemistry, Freie Universität Berlin, Germany
2012 – 2014	Master of Science in Technical Biology; Technische Universität Darmstadt, Germany
2011 – 2012	Internship, Quality Management Pharma- and Food Industry, Hepart AG, Kreuzlingen, Switzerland
2008 – 2012	Bachelor of Science in Biological Sciences; Universität Konstanz, Germany

Certificates

Training on handling and maintenance of human pluripotent stem cells (hiPSCs), 20h course, Berlin Institute of Health Stem Cell Core Facility; Berlin, Germany, 2015

Basic Laboratory Animal Science and Animal Welfare, 20h course, Charité Medical Faculty Berlin Experimental Medicine + German Society for Laboratory Animal Science; Berlin, Germany, 2015

Good Manufacturing Practice (GMP) Focus Biotechnology, 90h course + final examination, Gläsernes Labor Campus Berlin Buch + Bundesverband Pharmazeutische Industrie (BPI); Berlin, Germany, 2015

Grants & Awards

2014	Scholarship, Association for the promotion of heavy-ion radiation therapy GSI Helmholtz Centre for Heavy Ion Research; Darmstadt, Germany

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 Research, Elsevier, PMID: 32979629 DOI: 10.1016/j.scr.2020.101998

(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 Research 48: 101987, Elsevier

(3) Marg A, Escobar H, Karaiskos N, Grunwald S A, **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.
Nature Communications 10 (1): 5776

(4) Kraft D, Rall M, Volcic M, **Metzler E,** Groo A, Stahl A, Bauer L, Nasonova E, Salles D, Taucher-Scholz G, Bönig H, Fournier C, Wiesmüller L. (2015)
NF-κB-dependent DNA damage-signaling differentially regulates DNA double-strand break repair mechanisms in immature and mature human hematopoietic cells. Leukemia,
Volume 29, S. 1543–1554