Dr. rer. nat. STEFANIE MÜTHEL, née. Seelk

2018 – now	*Research Scientist* 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

2012 – 2017	PhD student Biology, Humboldt University Berlin, Germany PhD student Berlin Institute of Medical Systemy Biology at the Max Delbrück Center for Molecular Medicine, Berlin, Germany Mentor: Dr. Baris Tursun
2011 – 2012	Diploma student Institut für Biochemie II at Universitätsklinikum Jena of the Friedrich- Schiller-University, Jena, Germany Mentor: Prof. Dr. Otmar Huber
2010 – 2011	Helping Scientist Max-Planck-Institute for Chemical Ecology, Department Biochemistry, Jena, Germany Mentor: Dr. John D'Auria
2007 – 2012	Studies of Biochemistry/ Molecular Biology; Friedrich-Schiller-Universität Jena, Germany

Grants & Awards

2020	BIH Open Data Initiative
2016	2nd price "Best Scientific Talk", FMP-MDC PhD retreat
2014	3rd price "Best Scientific Poster", FMP-MDC PhD retreat
2012 – 2015	Funding of the PhD project via the Max Delbrück Center for Molecular Medicine
2011	DAAD-RISE Scholarship for an internship at the Centenary Institute; Sydney Medical School, University of Sydney, Sydney, NSW, Australia
2010	DAAD-RISE Scholarship for an internship at the Oklahoma State University, Stillwater, Oklahoma, USA

Papers

(1) Müthel S, Tursun B. Epigenetic chaperoning of aging. Aging 12(2):1044-1046 (2020).

(2) Müthel S, Uyar B, He M, Krause A, Vitrinel B, Bulut SI, Vasilevic D, Marchal I, Kempa S, Akalin A, Tursun B. The conserved histone chaperone LIN-53 links lifespan and healthspan regulation in *Caenorhabditis elegans*. *Aging Cell*, 2019;18(6):e13012.

(3) Hajduskova M, Baytek G, Kolundzic E, Gosdschan A, Kazmierczak M, Ofenbauer A, Beato Del Rosal ML, Herzog S, Ul Fatima N, Mertins P, Seelk-Müthel S#, Tursun B#. *MRG-1/MRG15 Is a Barrier for Germ Cell to Neuron Reprogramming in Caenorhabditis elegans.* Genetics, 211(1): p. 121-139. (2019) # co-corresponding

(4) Jennek S, Mittag S, Reiche J, Westphal JK, Seelk S, Dörfel MJ, Pfirrmann T, Friedrich K, Schütz A, Heinemann U, Huber O. Tricellulin is a target of the ubiquitin ligase Itch. *Ann N Y Acad Sci* 1397, 157–168 (2017).

(5) Seelk S*, Adrian-Kalchhauser I*, Hargitai B, Hajduskova M, Gutnik S, Tursun B, Ciosk R. Increasing Notch signaling antagonizes PRC2-mediated silencing to promote reprograming of germ cells into neurons. *eLife Sciences* 5, 731–27 (2016) *equal contribution