

M.Sc. CHRISTIAN STADELMANN

05/2020 - now PhD student. Experimental and Clinical Research Center, a cooperation between the Max-Delbrück-Center for Molecular Medicine in the Helmholtz Association and the Charité – Universitätsmedizin
Mentor: Prof. Dr. Simone Spuler

Experience & Education

2020 - now PhD student. Department of Biology, Chemistry, and Pharmacy
Free University of Berlin, Germany
Research project: CRISPR/Cas-mediated gene editing in human primary muscle stem cells as therapy approach for muscular dystrophies
Mentor: Prof. Dr. Simone Spuler

01/2020 - 03/2020 Student Teaching Assistant. University of Helsinki, Finland
Mentor: Prof. Dr. Sampsa Hautaniemi
Course: Introduction into Bioinformatics, 'R' Programming and Statistics

05/2019 - 01/2020 M.Sc. thesis. Biomedicum Stem Cell Centre, University of Helsinki, Finland
Mentor: Dr. Jere Weltner, research group of Prof. Dr. Timo Otonkoski
Research project: Improving human pluripotent reprogramming by targeted activation of the miR-302/367 cluster using CRISPRa

01/2019 - 02/2020 Student Representative and Member of the Board of the Translational Medicine Master's Program. University of Helsinki, Finland
Program Director: Dr. Tiina Immonen

01/2019 - 05/2019 Student Researcher. Biomedicum Stem Cell Centre, University of Helsinki, Finland
Mentor: Dr. Jere Weltner, research Group of Prof. Dr. Timo Otonkoski

2018 – 2020 Master of Science in Translational Medicine
University of Helsinki, Finland

03/2018 - 07/2019 B.Sc. thesis. Max-Planck Institute for Terrestrial Microbiology in Marburg, Germany
Mentor: Prof. Dr. Lennart Randau
Research project: Activity of the type V-E CRISPR-CasX system in *Escherichia coli*

05/2018 - 06/2018 Student teaching assistant. Philipps-University of Marburg, Germany
Mentor: Prof. Dr. Ulrich Mösch
Course: Genetics II

10/2017-12/2017 Student teaching assistant. Philipps-University of Marburg, Germany
Supervisor: Dr. Björn Sandrock
Course: Genetics I

2015 – 2018 Bachelor of Science in Biology
Philipps-University of Marburg, Germany

Grants & Awards

02/2021 Award for the best master`s thesis of 2020 within the Translational Medicine M.Sc program. Faculty of Medicine. University of Helsinki, Finland

10/2020 Grant from the “Mighty Maje“-Initiative and the German Muskelschwund-Hilfe e.V. (Muscle Wasting Aid e.V.) to support the “Optimisation of gene editing strategies in primary human myoblasts for treatments of muscular dystrophies”

Certificates

2020 GMP biotech summer school. Federal association of the pharmaceutical industry, Berlin, Germany

2019 Certificate in laboratory animal science according to the EU Directive 2010/63, University of Helsinki, Finland

Papers

(1) **Stadelmann C***, Di Francescantonio S*, Marg A, Müthel S, Spuler S, Escobar H. mRNA-mediated delivery of gene editing tools to human primary muscle stem cells. *Molecular Therapy - Nucleic Acids* (2022) 28: 47-57, doi:<https://doi.org/10.1016/j.omtn.2022.02.016>
* shared first authorship

(2) Sokka J, Yoshihara M, Kvist J, Laiho L, Warren A, **Stadelmann C**, Jouhilahti E, Kilpinen H, Balboa D, Katayama S, Kyttälä A, Kere J, Otonkoski T, Weltner J, Trokovic R. CRISPR activation enables high-fidelity reprogramming into human pluripotent stem cells. *Stem Cell Reports* (2022) 17: 413-426, doi:<https://doi.org/10.1016/j.stemcr.2021.12.017>

Version date: 23.03.22