



Laurin Heinrich

Postdoctoral Scholar, Pathology

Bio

BIO

Laurin Heinrich, Ph.D. is a dedicated Postdoctoral Research Fellow specialized in neuroscience and neurophysiology. Driven by her passion to improve therapeutic strategies for neurodegenerative and neurodevelopmental disorders, she seeks to uncover and understand the mechanisms underlying severe diseases such as Parkinson's. She thereby incorporates an interdisciplinary approach combining human iPSC modeling and CRISPR screening with molecular biological and novel electrophysiological techniques.

During a 6 months postdoctoral fellowship at the Katholieke Universiteit Leuven, Laurin contributed to the development of a functional cortico-striato-nigral neuronal microcircuit using human-derived iPSC (2020). She completed her doctoral thesis in the lab of Prof. Dr. Carsten Duch at the Institute of Developmental Biology and Neurobiology (IDN) at the Johannes Gutenberg-University Mainz (2016-2019), where she investigated the neuronal function of $\alpha_2\delta$ calcium channel subunits. She received her Master of Science with a major in Neurobiology from Johannes Gutenberg-University Mainz (2013-2015) and a Bachelor's degree from the Technical University Kaiserslautern (2010-2013).

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