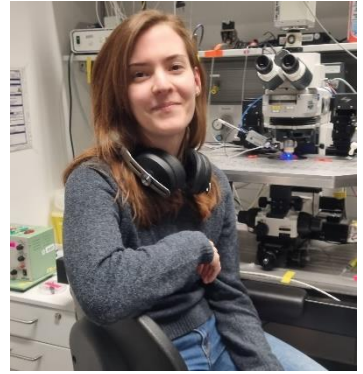


Curriculum Vitae

Selina Hilgert



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Education:

Since 03/2022	PhD candidate Institute for Developmental Biology and Neurobiology (iDN), Mainz AG Ryglewski PhD Thesis: Probing the role of ion channel degeneracy for robust neuronal excitability
04/2020 – 02/2022	Master of Science – Biology Johannes Gutenberg-University, Mainz Master Thesis: Probing the role of synaptotagmin 7 and L-type calcium channels for synaptic vesicle cycling between pools
04/2017 – 03/2020	Bachelor of Science – Biology Johannes Gutenberg-University, Mainz Bachelor Thesis: Probing the role of a double knockdown of the VGCC accessory subunits $\alpha 2\delta 1$ and <i>stj</i> for the dendritic structure of the identified <i>Drosophila</i> flight motoneuron MN5
03/2016	Secondary school – A-levels Gymnasium Traben-Trarbach

Student assistant:

04-07/2023 04-07/2021	Institute of Developmental Biology and Neurobiology (iDN) Johannes Gutenberg-University Mainz
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Scientific Techniques:

Electrophysiology	In situ whole cell patch clamp Two electrode voltage clamp
Imaging	Intracellular dye fills and 3D reconstruction Immunocytochemistry and CLSM

Publications:

Kiral, F. R., Dutta, S. B., Linneweber, G. A., Hilgert, S., Poppa, C., Duch, C., ... Hiesinger, P. R. (2021). Brain connectivity inversely scales with developmental temperature in *Drosophila*. *Cell Reports*, 37(12), 110145. <https://doi.org/10.1016/j.celrep.2021.110145>

Conferences:

03/2023

15th Göttingen Meeting of the German Neuroscience Society

Poster: Probing the role of ion channel degeneracy for robust neuronal excitability

Languages:

German – native

English – fluent

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