



Congratulations to Sarah Könemann for receiving the SETAC GLB award for the best PhD Thesis!

October 26, 2023 | Colette vom Berg

Congratulations to Sarah Könemann for receiving the SETAC GLB award for the best PhD Thesis!

The prize for her work "Mechanistic Understanding of Neurobehavioral Effects of Insecticides on the Larvae of Zebrafish (*Danio rerio*)" was awarded to her at this year's SETAC GLB conference in MuttENZ. Sarah Könemann conducted the thesis at Utox in the Molecular Toxicology group and successfully completed it at the EPFL Faculty of Architecture, Civil and Environmental Engineering (ENAC) in November 2022.

Publications

Könemann, S., Meyer, S., Betz, A., Župani?, A., & vom Berg, C. (2021). Sub-lethal peak exposure to insecticides triggers olfaction-mediated avoidance in zebrafish larvae. *Environmental Science and Technology*, 55(17), 11835-11847.

Fitzgerald, J. A., Könemann, S., Krümpelmann, L., Župani?, A., & vom Berg, C. (2021). Approaches to test the neurotoxicity of environmental contaminants in the zebrafish model - from behavior to molecular mechanisms. *Environmental Toxicology and Chemistry*, 40(4), 989-1006

Könemann, S., von Wyl, M., & vom Berg, C. (2022). Zebrafish larvae rapidly recover from locomotor effects and neuromuscular alterations induced by cholinergic insecticides. *Environmental Science and*

Technology, 56(12), 8449-8462.

von Wyl, M., Könemann, S., & vom Berg, C. (2023). Different developmental insecticide exposure windows trigger distinct locomotor phenotypes in the early life stages of zebrafish. *Chemosphere*, 317, 137874 (10 pp.)

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