

Work Address:

Chair of Behavioural Physiology and Sociobiology, Biocenter
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Education:

Since 10/2021

PhD Student

Department of Behavioral Physiology and Sociobiology, Julius-Maximilians-University of Würzburg, Supervisor: Dr. Basil el Jundi

04/2019 – 09/2021 **Master Student** „Biosciences” Julius-Maximilians-University of Würzburg (Overall grade: 1.0, passed with distinction), M.Sc. Thesis: “Coding of heading direction information in the monarch butterfly central complex” in the department of Behavioral Physiology and Sociobiology (Dr. Basil el Jundi, Grade of Thesis: 1.0)

08/2015 – 03/2019 **Bachelor Student** „Biology” Julius-Maximilians-University of Würzburg (Overall grade: 1.5, B.Sc. Thesis: „Visual Landmark Orientation in Monarch Butterflies“ in the department of Behavioral Physiology and Sociobiology (Dr. Basil el Jundi, Grade of Thesis: 1.0)

09/2006 – 07/2014 **Abitur** Gymnasium Raubling (Grade: 2.0)

Employment History:

Since 10/2021 **Research Assistant** el Jundi Lab, Department of Behavioral Physiology and Sociobiology, Julius-Maximilians-University of Würzburg

Publications:

Franzke M, Kraus C, Dreyer D, Pfeiffer K, Beetz MJ, Stöckl AL, Foster JJ, Warrant EJ, el Jundi B (2020) Spatial orientation based on multiple visual cues in monarch butterflies, *Journal of Experimental Biology* 2020: jeb.223800 DOI: 10.1242/jeb.223800 Published 27 April 2020

Beetz, M. J., Kraus, C., Franzke, M., Dreyer, D., Strube-Bloss, M. F., Rössler, W., Warrant, E. J., Merlin, C., and el Jundi, B. (2021) State-dependent egocentric and allocentric heading representation in the monarch butterfly brain, *bioRxiv*, Cold Spring Harbor Laboratory.

Conference contributions:

2021

Christian Kraus, M. Jerome Beetz, Basil el Jundi

Poster: Influence of idiothetic cues on sun-compass neurons in monarch butterflies

14th Göttingen Meeting of the German Neuroscience Society March 22, 2021