

Elena Motivans Švara
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PROFESSIONAL EXPERIENCE

- 6/2018 – present*
(Maternity leave
4/2022 – 5/2023) **Doctoral Researcher**
Helmholtz Centre for Environmental Research - UFZ
Studying the effect of land use on pollinator visitation and pollen transfer networks.
- 11/2016 – 2021* **Scientific content writer**
<http://www.zmescience.com/author/elenam/>
Writing weekly articles on biology-related topics for a general audience.
- 3/2018 – 11/2018* **Scientific Writing Clinic Editor**
German Centre for Integrative Biodiversity Research (iDiv), Leipzig
Working with PhD students to edit their papers based on grammar, structure, and comprehensibility.
- 4/2017 – 5/2018* **Research Assistant**
German Centre for Integrative Biodiversity Research (iDiv), Leipzig
Compiling biodiversity databases and performing molecular analysis.
- 04/2015 – 10/2016* **Wissenschaftliche Hilfskraft**
Zoologische Staatssammlung München
Ich habe an dem Umwelt-DNA Projekt mit dem SeaLife Aquarium in München mit PCR und DNA-Barcoding gearbeitet.

EDUCATION

- 6/2018 – present* **PhD candidate**, Faculty of Natural Sciences 1 - Biosciences
Martin-Luther-Universität Halle-Wittenberg, Germany
Topic: pollination networks under different natural and management conditions
- 2014 – 2016* **Master of Science**, Evolutionary Genomics, Ecology, and Systematics
Ludwig-Maximilians-Universität Munich, Germany
Topic: the influence of environmental conditions on eDNA detection
- 2011 – 2014* **Bachelor of Applied Science**, Major Biology, minor English Literature
McGill University, Montreal, Canada
Topic: evolution of body shape in salmon

PROFESSIONAL SKILLS

- Scientific communication:** Extensive experience writing and editing press releases, scientific articles, general interest articles, and grant proposals.
- Outreach:** Experience co-organizing exhibit on pollination networks at the Leipzig Botanical Garden (2020 & 2021) and promoting it through local news interviews, general interest articles, and social media channels.

Languages: English (mother tongue), German (fluent), Slovenian (fluent), French (intermediate)

FUNDING & AWARDS

HIGRADE Conference- 2nd place poster presentation— (2021)
yDiv Science Communication Award— €1000 (2020)
iDiv Conference Best Presentation— (2019)
ERASMUS+ internship funding— €1075 (2016/2017)
Lehre@LMU Award for Student Research Projects— €1500 (2016)
EES Young Researcher Award for Best Master's Presentation— €200 (2016)

SELECTED PUBLICATIONS

Hornick, T., Richter, A., ... **Motivans Švara, E.**, ... & Dunker, S. (2022). An integrative environmental pollen diversity assessment and its importance for the Sustainable Development Goals. *Plants, People, Planet*, 4(2): 110– 121. <https://doi.org/10.1002/ppp3.10234>

Motivans Švara, E., Ștefan, V., ... & Neuenkamp, L. (2021). Effects of different types of low-intensity management on plant-pollinator interactions in Estonian grasslands. *Ecology and Evolution*, 11: 16909– 16926. <https://doi.org/10.1002/ece3.8325>

Perino, A., Pereira, H. M., ... **Motivans Švara, E.**, ... & Bonn A. (2021) Biodiversity post-2020: Closing the gap between global targets and national-level implementation. *Conservation Letters*. 15: e12848. <https://doi.org/10.1111/conl.12848>

Dunker, S., **Motivans, E.**, ... & Knight, T.M. (2021), Pollen analysis using multispectral imaging flow cytometry and deep learning. *New Phytologist*. 229: 593-606. <https://doi.org/10.1111/nph.16882>

Oke, K. B., **Motivans, E.**, Quinn, T. P., Hendry, A. P. (2019) Sexual dimorphism modifies habitat-associated divergence: Evidence from beach and creek breeding sockeye salmon. *Journal of Evolutionary Biology*. 32: 227– 242. <https://doi.org/10.1111/jeb.13407>

REFERENCES

Prof. Dr. Tiffany Knight
Head of Spatial Interaction Ecology Research Group
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Head of Media and Communications
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