

## Moritz D. Lürig | PhD student

Eawag / ETH Zürich (Aquatic Ecology)

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### EDUCATION

- |            |                                                                                                                                                                                                                                                |
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| Since 2015 | <b>PhD student</b> with Blake Matthews and Jukka Jokela at ETH Zürich in association with Eawag (Swiss Federal Institute of Aquatic Science and Technology) and, formerly, with ETH Zürich's ACE center (Adaptation to a Changing Environment) |
| 2015       | <b>MSc Marine Environmental Sciences</b> , University of Oldenburg and UC Davis. Advisors: Jay Stachowicz and Helmut Hillebrand                                                                                                                |
| 2010       | <b>BSc Environmental Sciences</b> , University of Oldenburg. Advisor: Andreas Kunzmann                                                                                                                                                         |

### PUBLICATIONS

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| 2018      | <b>Lürig, M.D.</b> , Best, R.J., Svitok, M., Jokela, J., Matthews, B. The role of plasticity in the evolution of cryptic pigmentation in a freshwater isopod. <i>In press at Journal of Animal Ecology</i> . <a href="https://doi.org/10.1111/1365-2656.12950">https://doi.org/10.1111/1365-2656.12950</a>        |
| 2016      | <b>Lürig, M.D.</b> , Best, R.J., Stachowicz, J.J. Microhabitat partitioning in seagrass mesograzers is driven by consistent species choices across multiple predator and competitor contexts. <i>Oikos</i> , 125, 1324-1333. <a href="https://doi.org/10.1111/oik.02932">https://doi.org/10.1111/oik.02932</a>    |
| 2015      | <b>Lürig, M.D.</b> , Kunzmann A. Effects of short term aragonite undersaturation and elevated temperature on the physiology of <i>Stylophora pistillata</i> . <i>Journal of Sea Research</i> , 99, 26–33. <a href="https://doi.org/10.1016/j.seares.2015.01.005">https://doi.org/10.1016/j.seares.2015.01.005</a> |
| In review | <i>Lürig, M.D., Dakos, V., Matthews, B. Macrophytes as foundation species: effects on the temporal dynamics of the clear-water state - In review at Ecosystems</i>                                                                                                                                                |

### PRESENTATIONS

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| 2018 | <b>Lürig, M.D.</b> , Narwani, A., Spaak, P., Matthews, B. Species interactions and the resilience of aquatic ecosystems to nutrient perturbation. British Ecological Society Annual Meeting, Birmingham                     |
| 2018 | <b>Lürig, M.D.</b> , Best, R.J., Svitok, M., Jokela J., Matthews, B. The role of developmental plasticity in the evolution of crypsis in a freshwater isopod. Talking Evolution Meeting, MPI Plön                           |
| 2018 | <b>Lürig, M.D.</b> , Dakos, V., Matthews, B. Species interactions and the stability of aquatic ecosystems. Center for Adaptation to a Changing Environment - Closing Conference. Borgen, Hocken                             |
| 2017 | <b>Lürig, M.D.</b> , Best, R.J., Svitok, M., Jokela J., Matthews, B. Interactive effects of selection and plasticity during rapid evolution of a freshwater isopod. Dynatrait Programme Conference. Stephansstift Hannover  |
| 2013 | <b>Lürig, M.D.</b> , Best, R.J., Stachowicz, J.J. Microhabitat selection by seagrass mesograzers: effects of predation, trait variation and species interactions. Western Society of Naturalists Annual Meeting. Oxnard, CA |

**PREVIOUS RESEARCH EXPERIENCE**

2013/2014	Bodega Marine Laboratory (BML), UC Davis - Research technician for Jay Stachowicz as part of the Zostera Experimental Network (ZEN).
2014	Eawag - Research technician for Rebecca Best (Resulting publication: <i>Best, R.J., J. M. Anaya-Rojas, M. C. Leal, D. W. Schmid, O. Seehausen, and B. Matthews. 2017. Transgenerational selection driven by divergent ecological impacts of hybridizing lineages. Nature Ecology &amp; Evolution 1: 1757. <a href="https://doi.org/10.1038/s41559-017-0308-2">https://doi.org/10.1038/s41559-017-0308-2</a></i> ).
2009-2012	Leibniz Center for Tropical Marine Ecology (ZMT) - Research technician for Andreas Kunzmann in New Zealand (Leigh Marine Lab) and Israel (Interuniversity Institute Eilat).
2010	Alfred Wegener Institute for Polar and Marine Research (AWI) - Research technician for Gereon Budèus on RV "Polarstern" (Contributing to <a href="#">Berichte - ARK-XXV/1</a> and <a href="#">Berichte - ARK-XXV/2</a> ).

**AWARDS AND GRANTS**

2016	CEEB Poster Award: Best PhD Student Poster, Eawag Kastanienbaum (200 CHF)
2015	PhD Fellowship: Adaptation to a Changing Environment, ETH Zürich (150 000 CHF)
2014	Travel Scholarship of the Department of Mathematics and Science, Oldenburg University (500 Euro)
2013	Masters Thesis Abroad Scholarship PROMOS, DAAD (1500 Euro)

**TEACHING AND MENTORING**

2018	MSc co-mentor for Kim Kaltenbach: <i>Title tbd</i> (at Eawag Kastanienbaum)
2013	BSc co-mentor for Elena Huynh: Effects of epiphyte-cover on the microhabitat preference of <i>C. californica</i> (at BML)
2011	Instructor for 'Practical Applications in Aquaculture' ("ISATEC" masters program, Uni. Bremen)
2010	Co-Instructor for 'Scientific Diving' (Uni. Oldenburg, 5.12.230/1)
2007-2010	Teaching Assistant for field classes 'Introduction to the German Coastal Zone' and 'Geomorphology of the northwestern German Coastal Zone' (Uni. Oldenburg, 5.12.021/111)
2007	Student-body tutor for 'Basic and Inorganic Chemistry' (Uni. Oldenburg, 5.07.701)

**OTHER PROFESSIONAL ACTIVITIES**

Since 2018	Author and maintainer of the python package: <a href="#">phenotype (a phenotyping pipeline for python)</a>
Since 2016	Review of manuscripts for Ecology and Society, Marine Biology and Zoology
2009	Scientific diver (equivalent to PADI *** / NAUI Dive Instructor), certified by the Examination board for scientific divers