

Moritz D. Lürig | PhD student

Eawag / ETH Zürich (Aquatic Ecology)

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EDUCATION

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| Since 2015 | PhD student with Blake Matthews and Jukka Jokela at USYS (Departement Umwelt-systemwissenschaften), 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 | MSc „Marine Environmental Sciences“, University of Oldenburg and UC Davis. Advisors: Jay Stachowicz and Helmut Hillebrand |
| 2010 | BSc „Environmental Sciences“, University of Oldenburg. Advisor: Andreas Kunzmann |

PUBLICATIONS

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| 2018 | <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> |
| 2018 | Lürig, M.D. , Best, R.J., Svitok, M., Jokela, J., Matthews, B. The role of plasticity in the evolution of cryptic pigmentation in a freshwater isopod - In press at Journal of Animal Ecology |
| 2016 | Lürig, M.D. , 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> . DOI: 10.1111/oik.02932 |
| 2015 | Lürig, M.D. , 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. |

PRESENTATIONS

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| 2018 | <i>Lürig, M.D., Narwani, A., Spaak, P., Matthews, B. Species interactions and the resilience of aquatic ecosystems to nutrient perturbation - Scheduled for BES Meeting, 2018, Birmingham</i> |
| 2018 | Lürig, M.D. , Best, R.J., Svitok, M., Jokela, J., Matthews, B. The role of developmental plasticity in the evolution of crypsis in a freshwater isopod |
| 2018 | Lürig, M.D. , Dakos, V., Matthews, B. Species interactions and the stability of aquatic ecosystems. Center for Adaptation to a changing environment - Closing Conference. Borgen, Hocken |
| 2017 | Lürig, M.D. , Best, R.J., Svitok, M., Jokela, J., Matthews, B. Interactive effects of selection and plasticity during rapid evolution of a freshwater isopod. Dynatrait Conference. Stephansstift Hannover |
| 2013 | Lürig, M.D. , 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 - Student assistant with Jay Stachowicz for the Zostera Experimental Network (ZEN).
2014	Eawag - Research technician for Blake Matthews, assisting in large scale mesocosm experiments.
2009-2012	Leibniz Center for Tropical Marine Ecology (ZMT) - Research technician for Andreas Kunzmann, work 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" in the Arctic Ocean.

AWARDS AND GRANTS

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

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

- Review of manuscripts for Ecology and Society, Marine Biology and Zoology
- Author of the python package: [phenotype \(a phenotyping pipeline for python\)](#)
- Scientific diver (equivalent to PADI *** / NAUI Dive Instructor), certified by the Examination board for scientific divers