

Department
Biology, Chemistry, Pharmacy

Freie Universität  Berlin

Disease Evolutionary Ecology

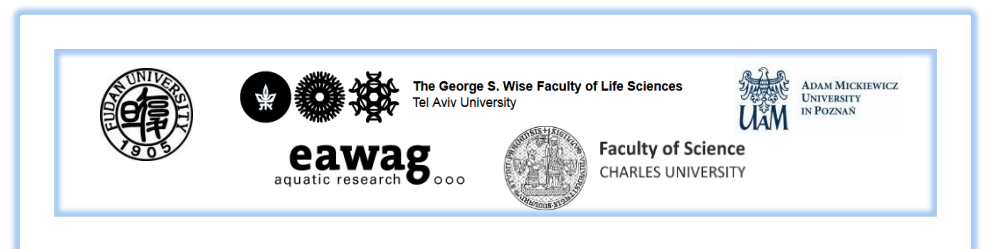
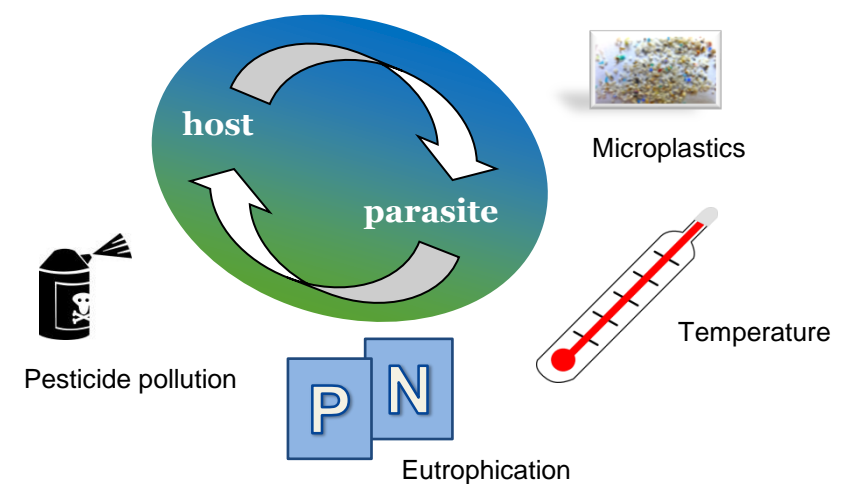


1. We do research on ...

- Role of **parasites** in aquatic ecosystems
- Host-parasite **coevolution**
- Parasites as drivers of **biodiversity**
- Global stressors modulating **disease spread**

2. We currently cooperate with ...

- Eawag, Swiss Federal Institute of Aquatic Science and Technology
“How does eutrophication affect disease spread?”
- Tel Aviv University, Israel
“Evolution of virulence under multiple infections“
- Adam Mickiewicz University, Poznan, Poland
“Can parasite evolution reinforce the effects of climate change?”
- Shanghai University, China
“Importance of hybridization in expansion of species gene pools”
- Charles University in Prague, Czech Republic; University of Minho, Portugal; and many more...



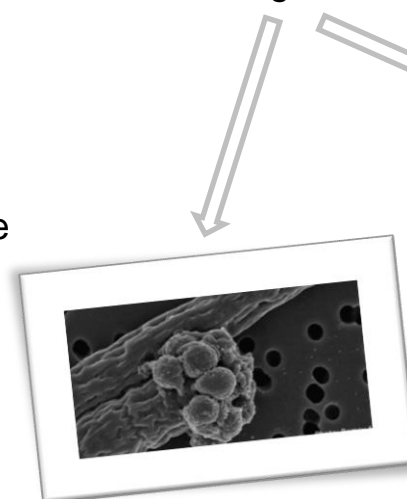
3. We are looking for expertise in ...

- -omics (including single cell genomics)
- Trophic interactions

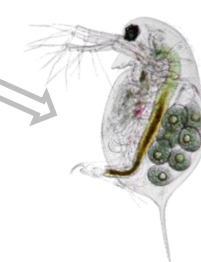
4. We offer thesis topics on ...

- Effect of emerging pollutants on the spread of disease
- Will a warmer world be a sicker world?
- Can parasites terminate toxic algal blooms?
- Effect of parasites on food webs

Our main model organisms:



Phytoplankton (cyanobacteria)



Zooplankton (*Daphnia*)

5. Things you can learn with us ...

- Field and laboratory work
- Experimental design
- Molecular and genomic methods
- Data analyses
- Turning your results into scientific papers
- Training on oral presentations
- Scientific discussions
- Working in an international team

Contact us:

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