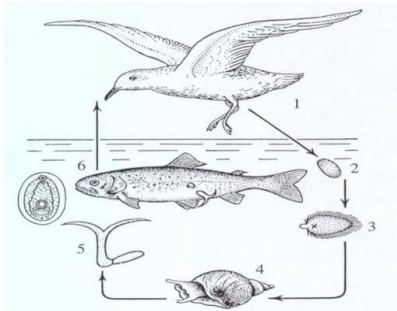


Why to study parasites?

1. They are everywhere
2. They are diverse
3. They are harmful
4. They (can) have complex life cycles
5. They show fascinating adaptations
6. They alter host evolution etc.



An example: Life cycle of *Diplostomum* sp. with three hosts (and three different immune systems ^{1,4,6}) and various strategies for transmission between hosts (free-swimming larvae ^{3,5}, manipulation of host behaviour ⁶)



PARASITOLOGY June 2022

Zoology MSc, Module 19 (7.5 ECTS)

ELECTIVE MODULE at Research Department for Limnology, Mondsee (ILIM) in Upper Austria - SS 2022

Structure: VO: 1.5 ECTS, UE: 4.5 ECTS, SE: 1.5 ECTS

Content:

1. Diversity and natural history of parasites
2. Adaptations of parasites
3. Ecology of host-parasite interactions
4. Evolution between hosts and parasites
5. Human parasites

VO and UE: June, 7-17; Research Department for Limnology, Mondsee

SE: last week of June (details decided together)

UE content: Examination of aquatic organisms (e.g., fish) for parasites and eco-immunological experiments using snails

Teacher: Univ.-Prof. Otto Seppälä

Research focus: Trait evolution under parasitism and environmental change

Can host MSc theses!!

Accommodation available at the Research building (for max 12 students) – key deposit of EUR 50.- / travel info: <http://www.uibk.ac.at/limno/location/>

Research Department for Limnology, Mondsee of the **University of Innsbruck** + Mondseestrasse 9 + 5310 Mondsee + www.uibk.ac.at/limno + office-ilim@uibk.ac.at + sonja.burggraf@uibk.ac.at

