



COTTENIE LAB

INVERTEBRATE ECOLOGY

UNIVERSITY
of GUELPH

COMMUNITY ECOLOGY

In the Cottenie lab, we study whole communities!

- Which invertebrates live where and why?
- How are they influenced by other species and their environment?
- Here are some examples of our invertebrate research projects!

SUBARCTIC FLIES

- The Subarctic is at the tree line where the tundra meets the boreal forest
- Anna Solecki is researching how fly communities differ between these two habitats in Churchill, Manitoba



AQUATIC INSECTS

- Jennifer Gleason studies aquatic insects living in streams in southern Ontario
- Aquatic insects can be used as bio-indicators of ecological condition
- Jennifer uses DNA metabarcoding to research how agriculture influences the diversity of these communities

EARTHWORMS

- Marie-Eugénie Maggia studies earthworm communities
- How do environmental conditions, such as agricultural practices, and species interactions impact assembly?
- How is earthworm diversity different in tropical vs. temperate regions?

