

Overview of non-parasitic nematodes: the good, the bad and **THE INFORMATIVE**

Kanan Saikai (IITA)

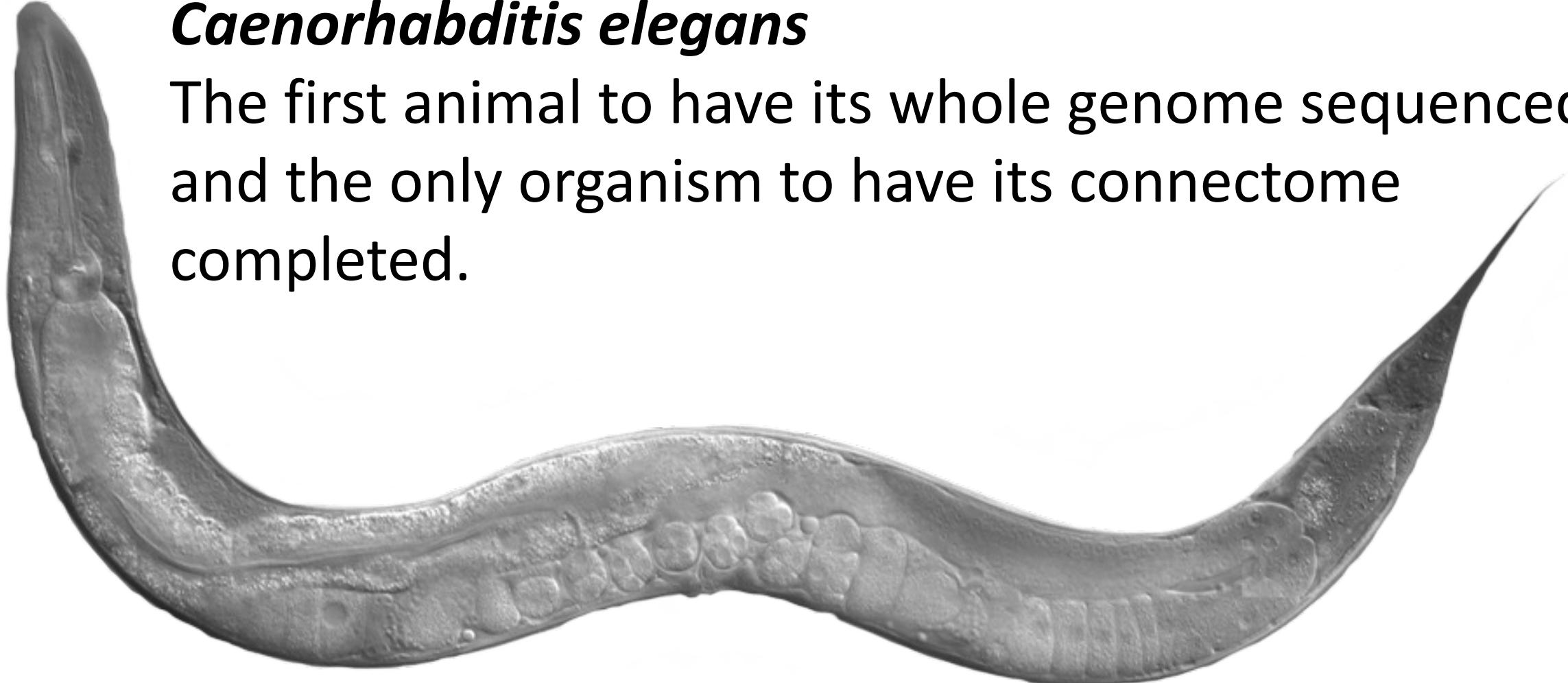


So why informative?

Most famous nematode in the world

Caenorhabditis elegans

The first animal to have its whole genome sequenced and the only organism to have its connectome completed.



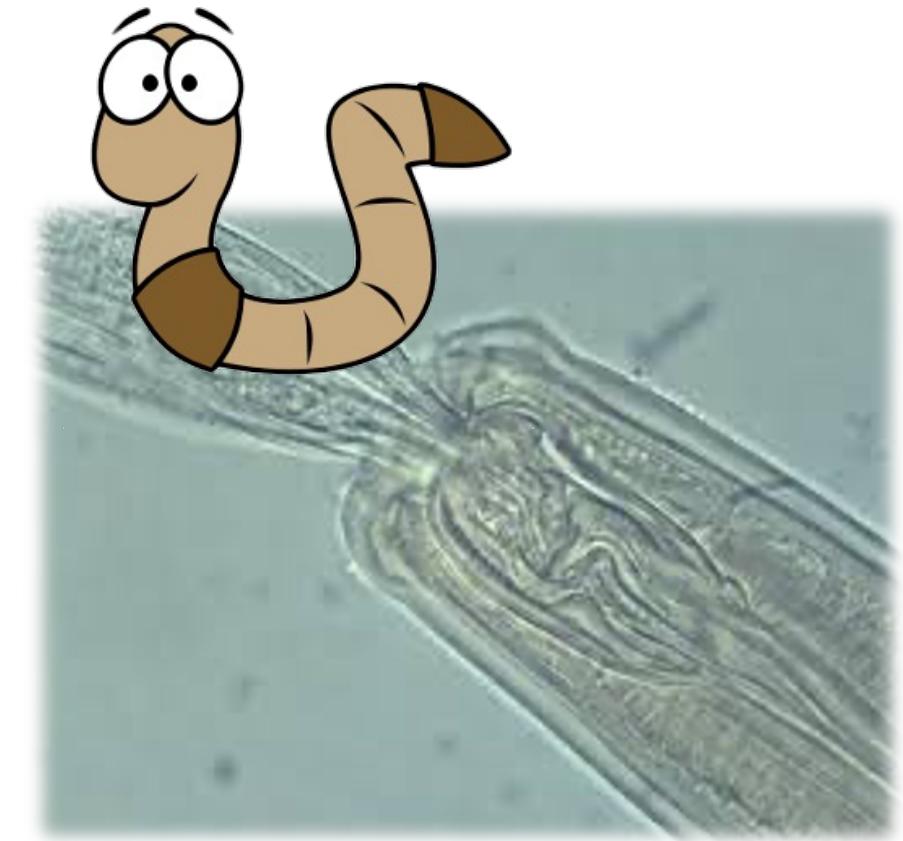
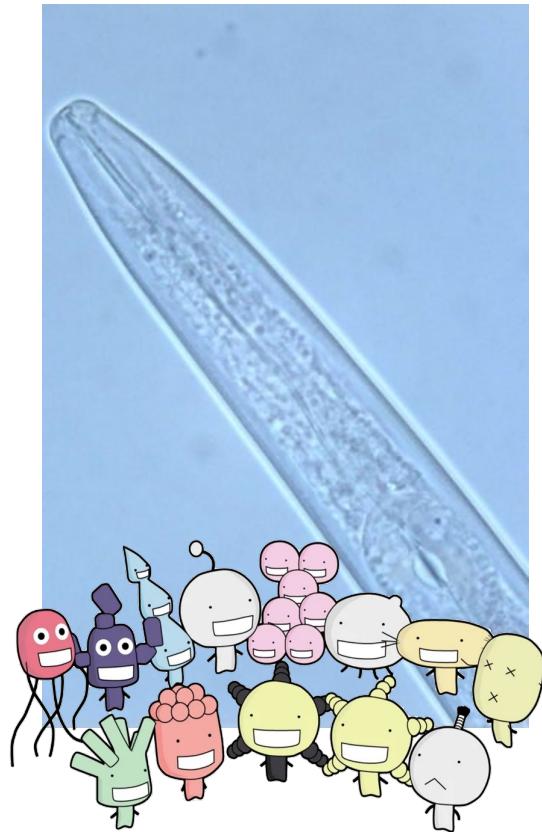
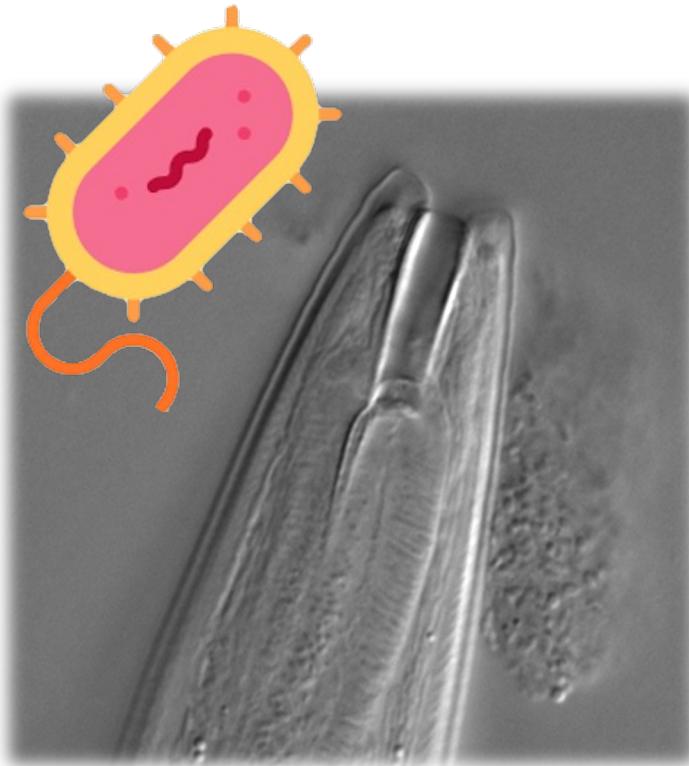


**Nematodes are
everywhere!**

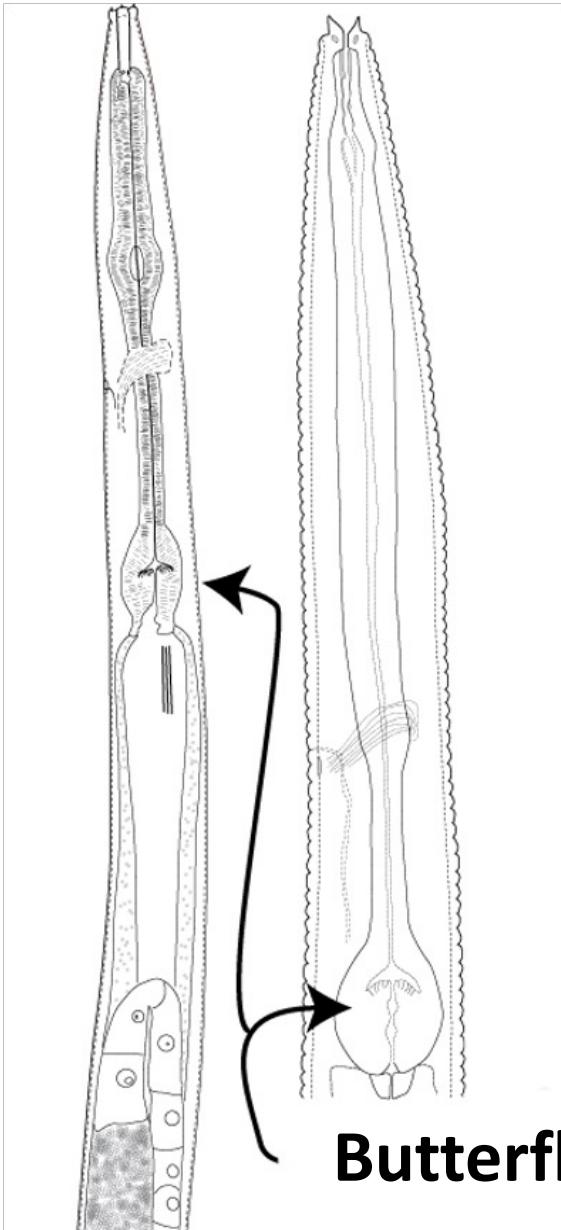
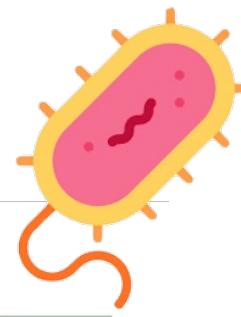


And...

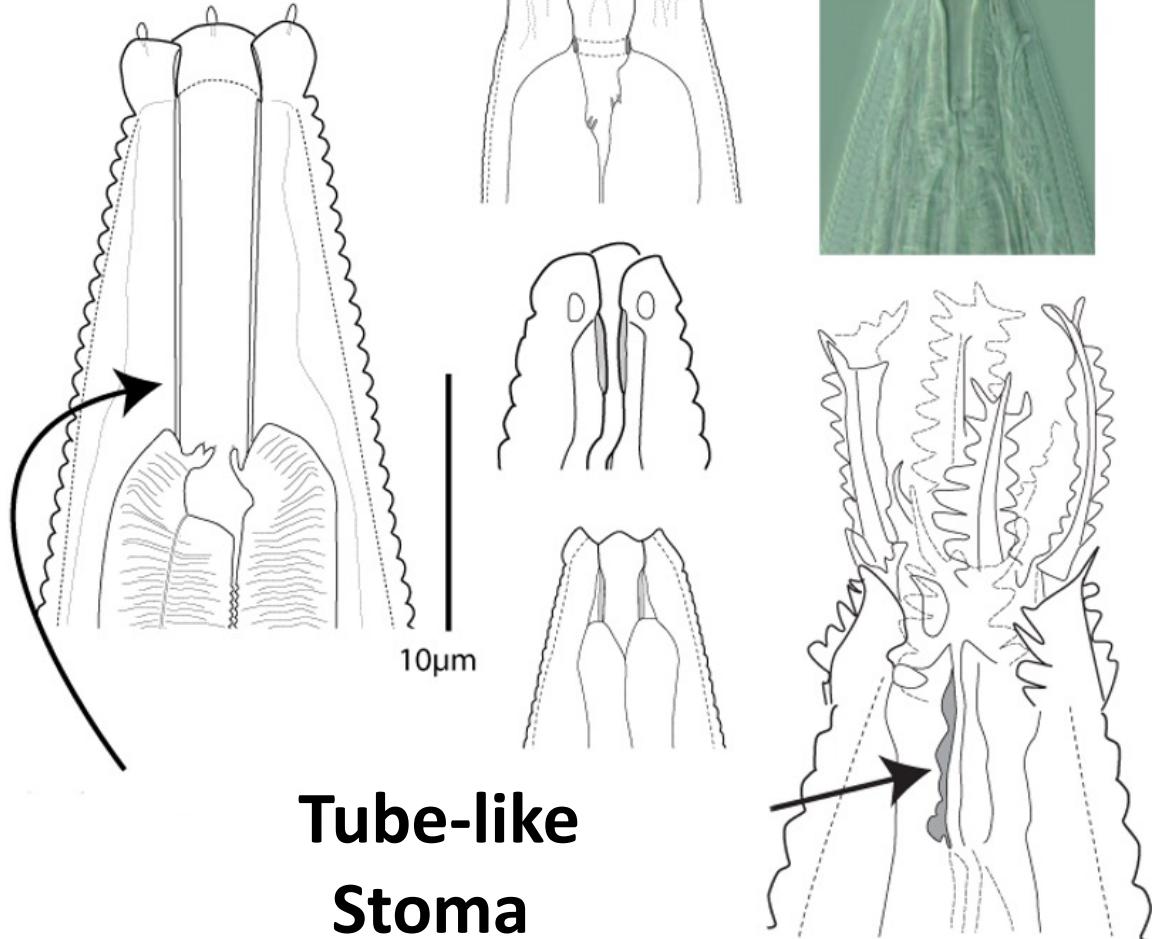
It's (relatively) easier to
tell their food habits



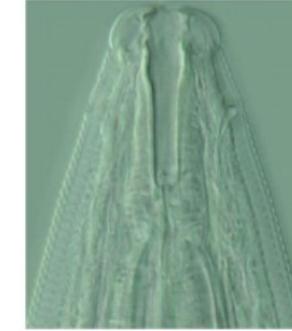
Bacteriovores – We eat bacteria



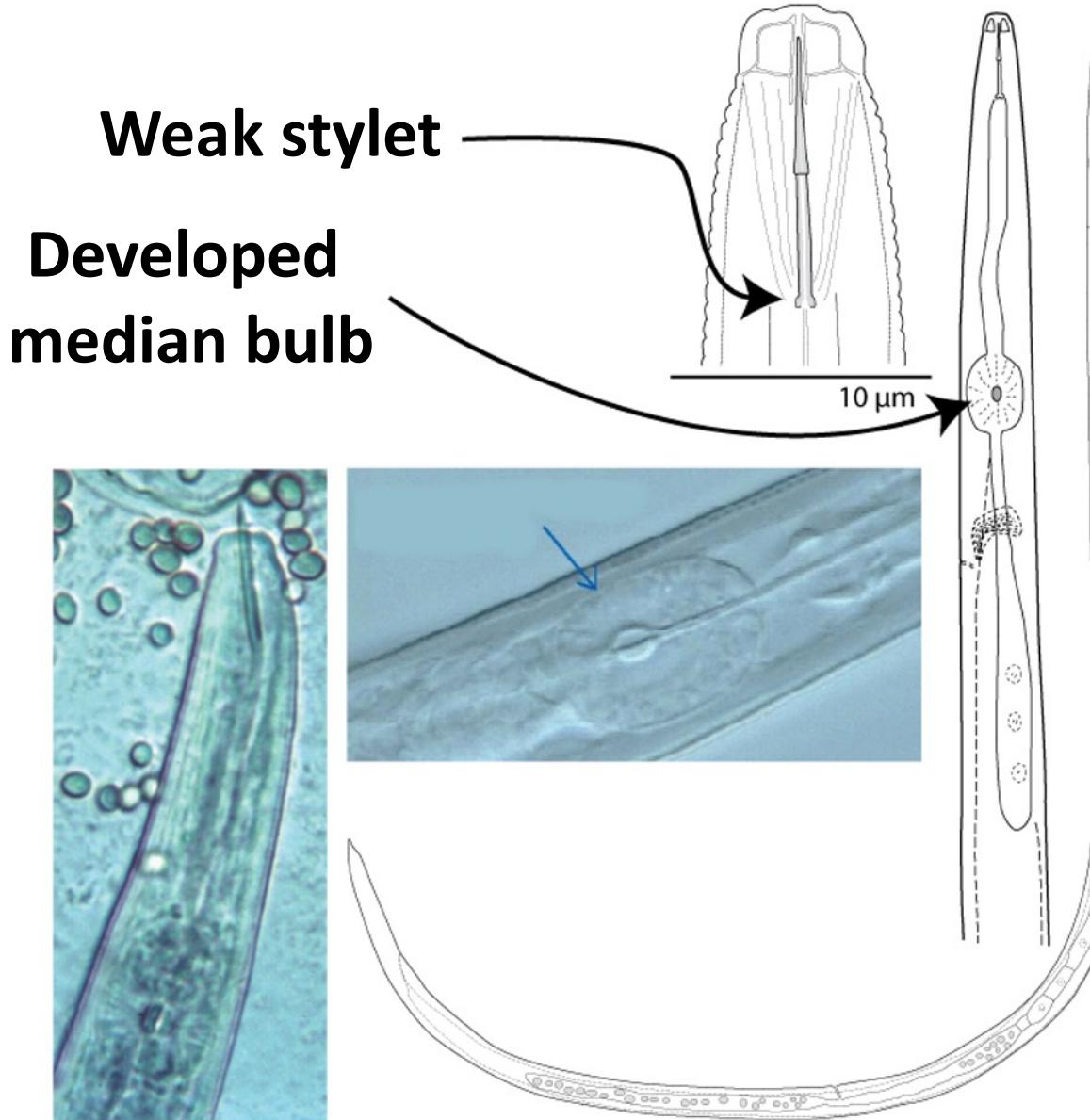
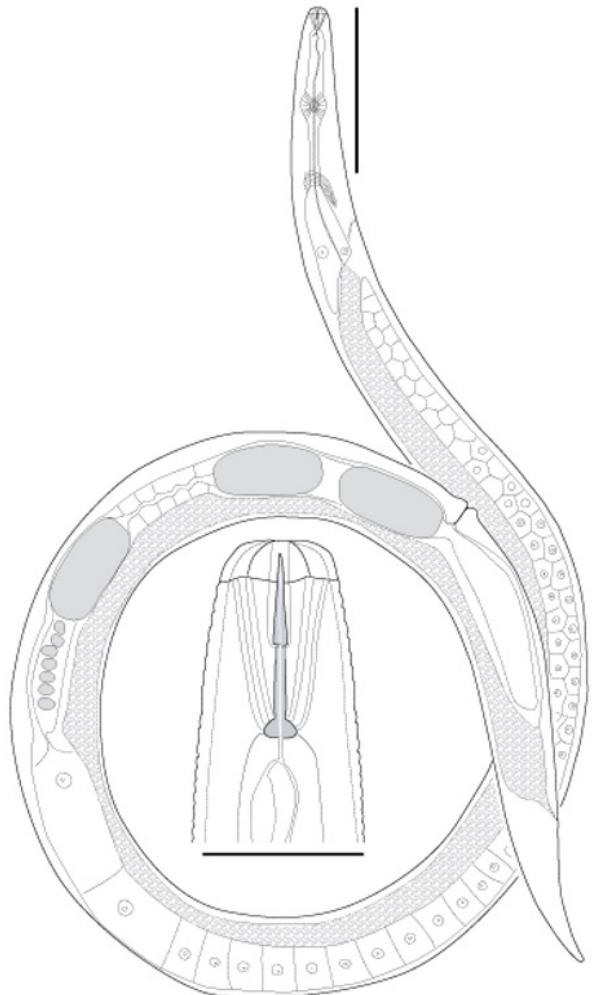
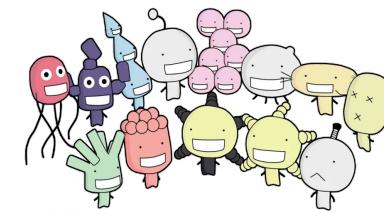
Butterfly



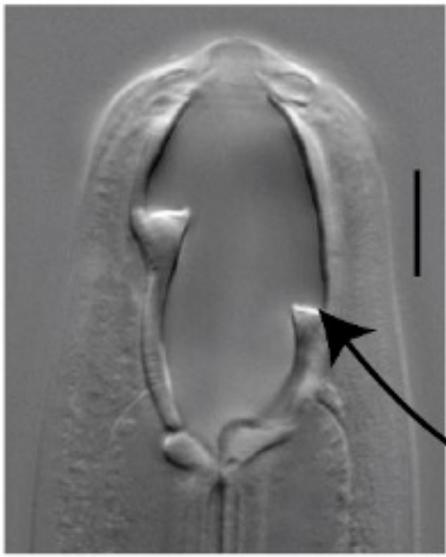
**Tube-like
Stoma**



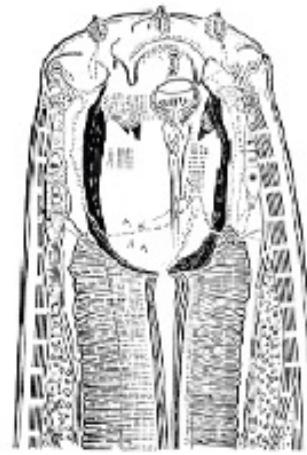
Fungivores – We eat fungi



Predator – We eat nematodes



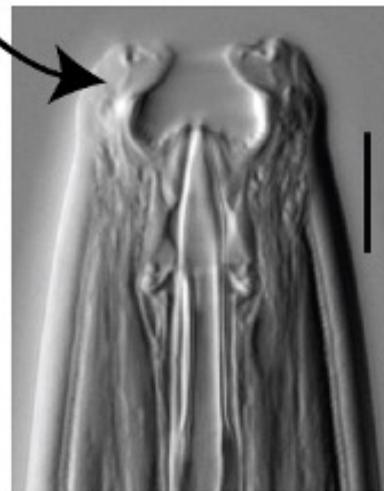
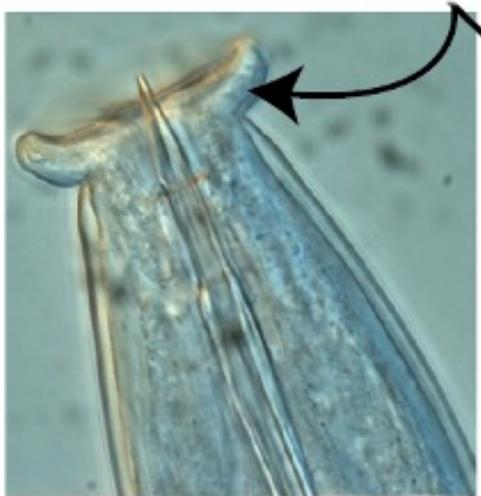
Sometimes funny lips



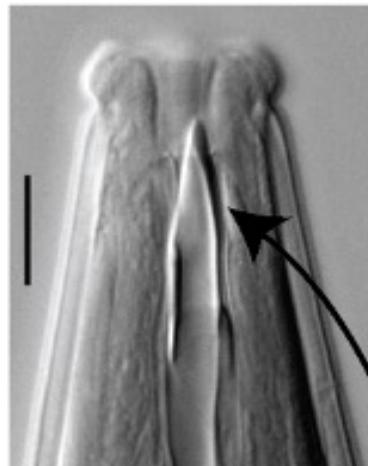
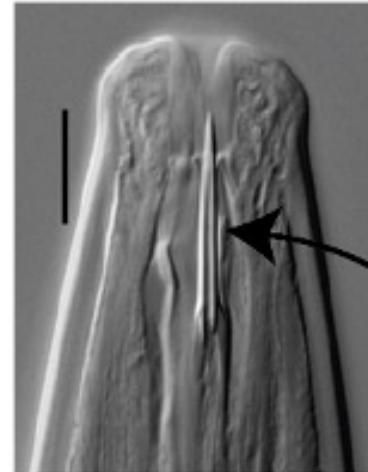
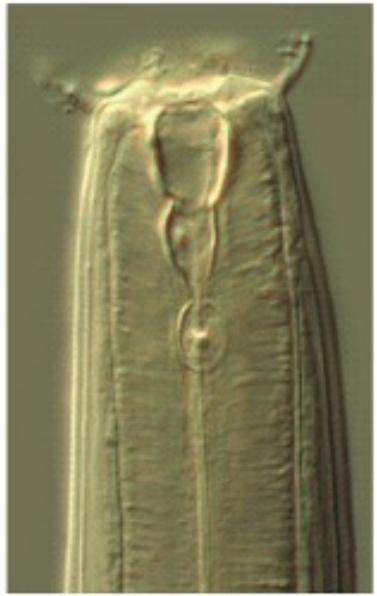
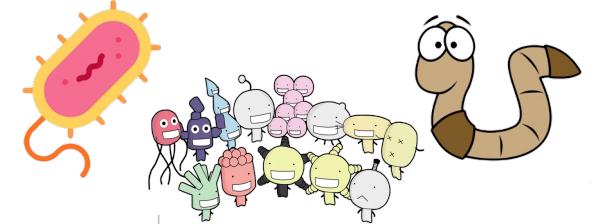
Large mouth opening
with teeth



Bottle shaped
pharynx

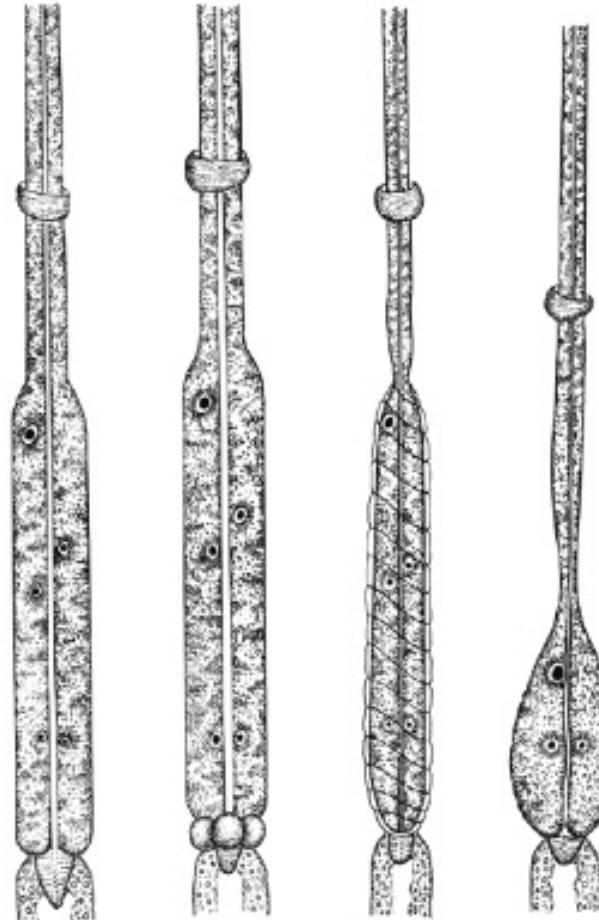


Omnivores – We eat anything



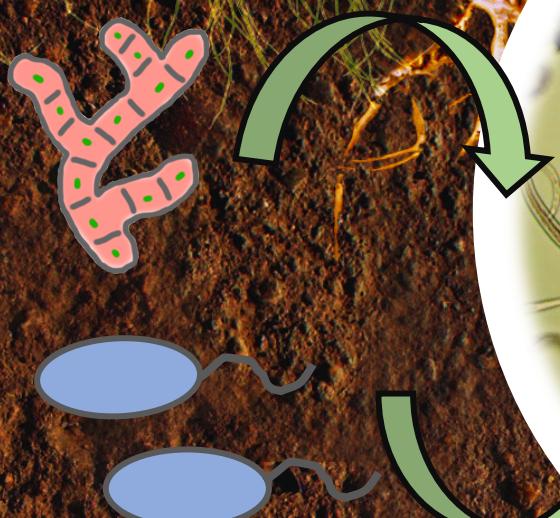
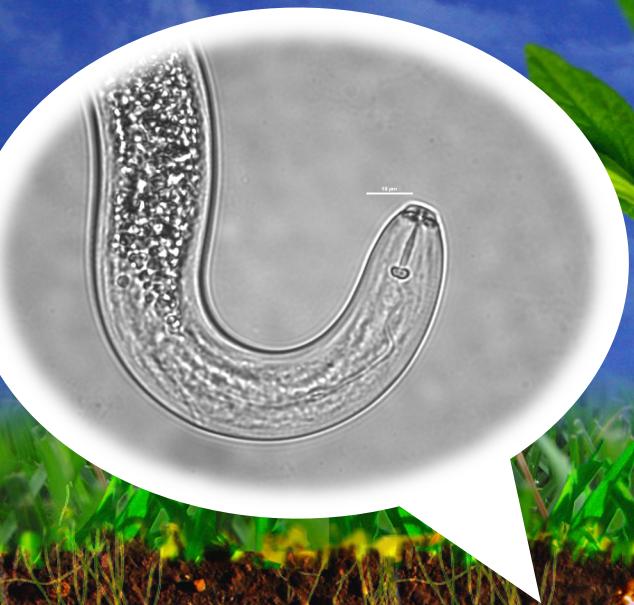
**Needle
(Odontostyle)**

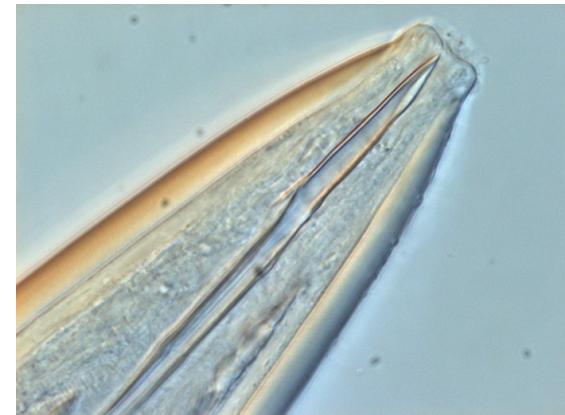
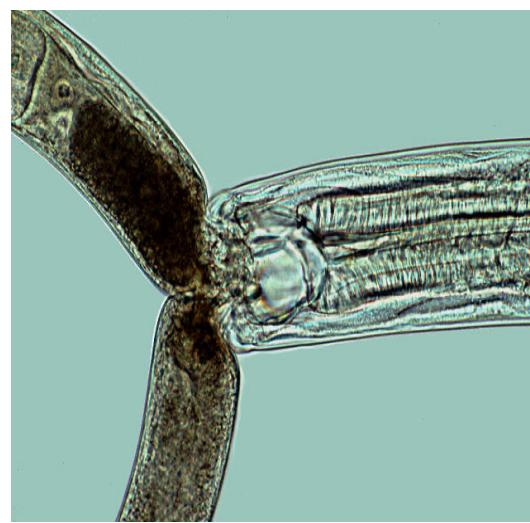
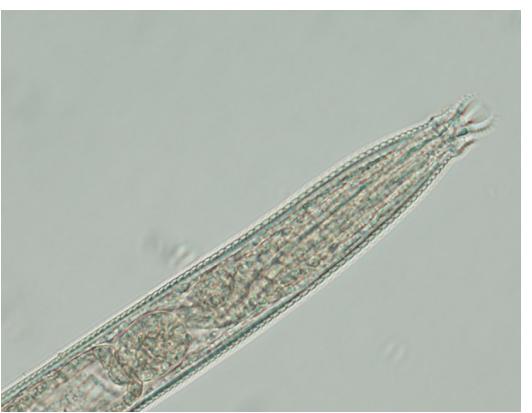
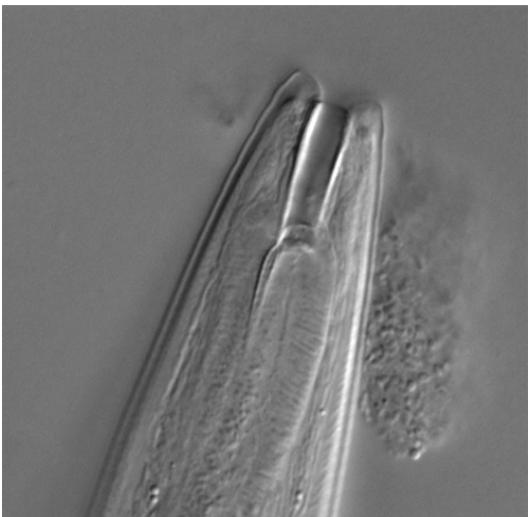
Bottle shaped pharynx





Contains up to
50,000 nematodes





Questions?

