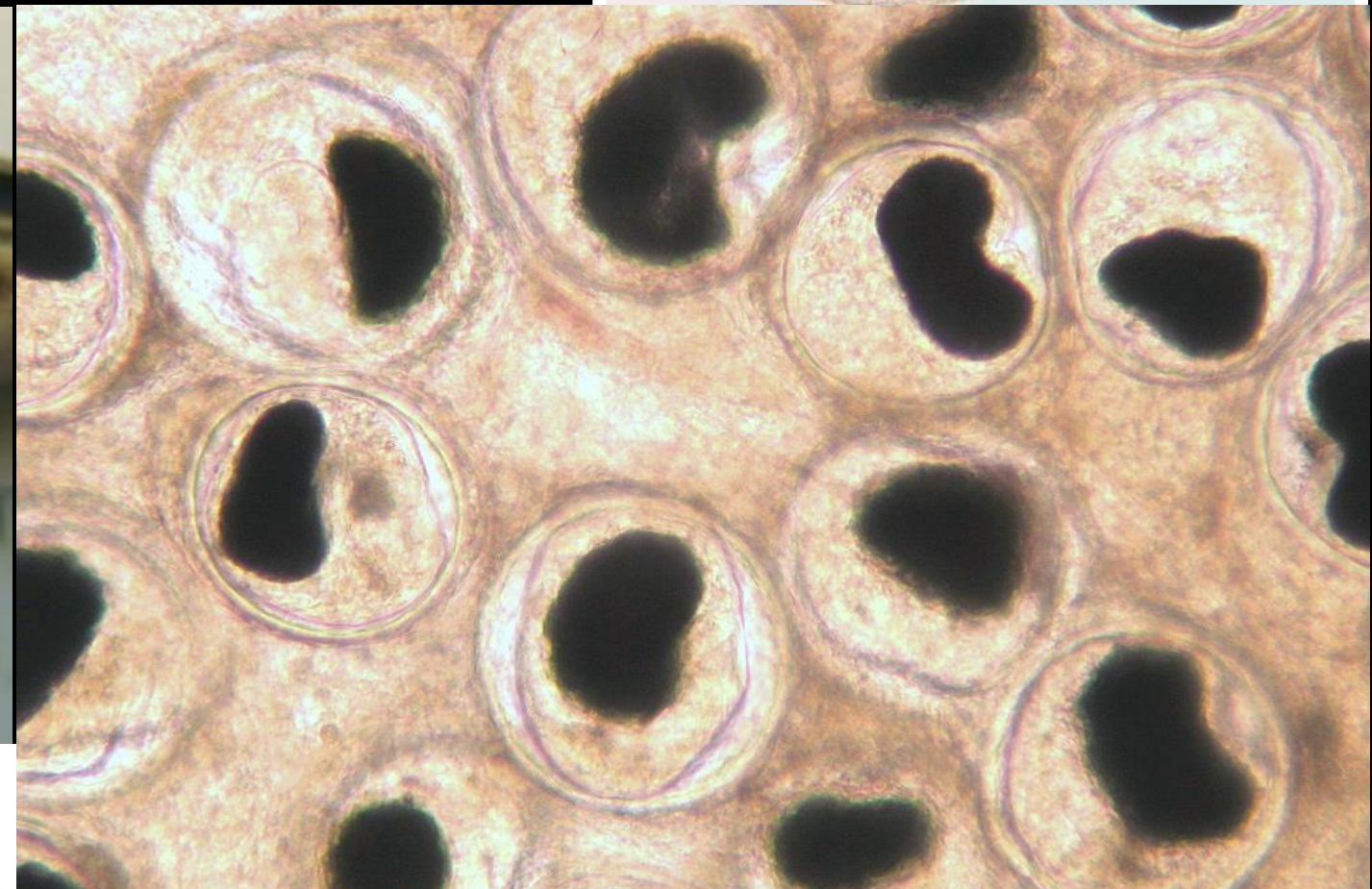
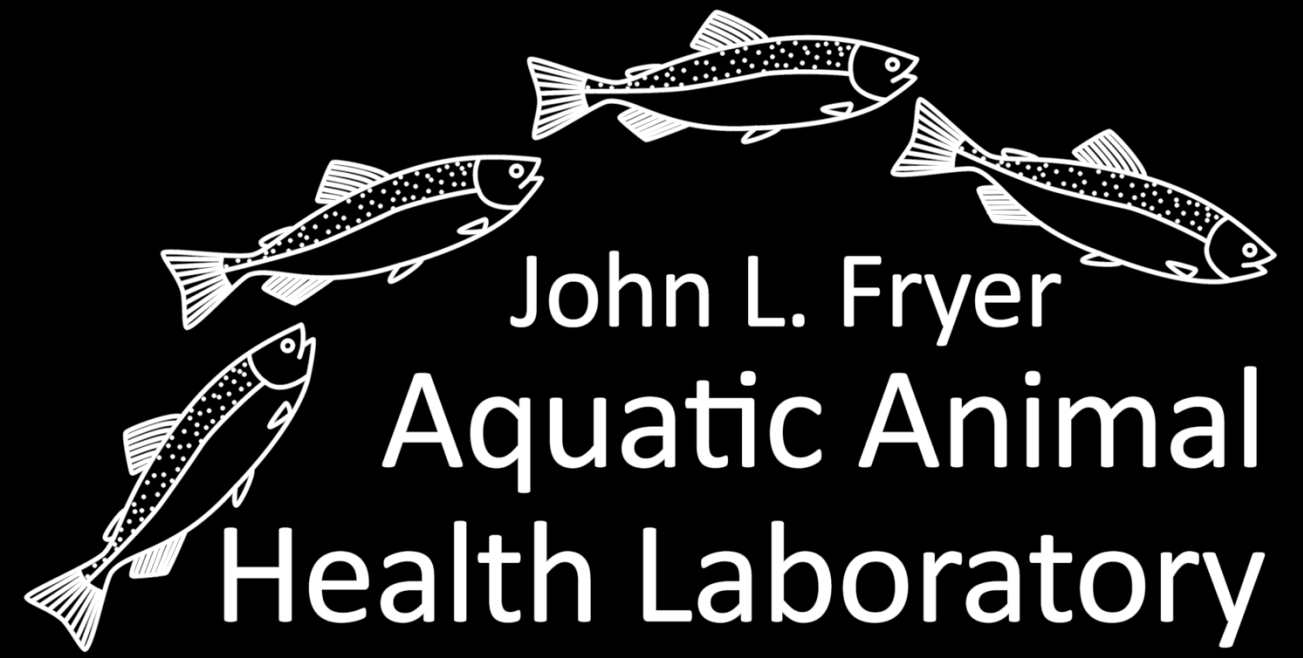


Black Spot (*Nanophyetus*)

Nanophyetus salmincola is a common trematode parasite of fish in Oregon. It is known as the "salmon poisoning fluke" because it can carry the bacterium *Neorickettsia helminthoeca*, which can be fatal for dogs that eat uncooked, infected fish. *Nanophyetus* has a complex life cycle that involves a snail, fish and mammal hosts. In fish tissues it forms cysts, which appear as small black spots.



Researchers from the Kent and Bartholomew Labs (OSU Microbiology) and Schreck Lab (OSU Fisheries & Wildlife) discovered that *Nanophyetus* infection reduced both growth and swimming ability in Coho salmon. High infection intensity could also increase susceptibility to bacterial infections in juvenile Chinook salmon.