



WORKSHOP

Hematodinium Associated Diseases: Research Status and Future Directions

September 20 - 22, 2007 | Charlottetown, Prince Edward Island



Workshop Modules and Research Questions

Module 1: Fisheries

1. What is the impact of disease on affected populations?
2. Is it possible to model this effect?
3. What is the mean time to death?
4. Can monitoring efforts be standardized?
5. Is a mechanism in place for reporting new affected host species (e.g. OIE)?

Module 2: Host Biology

1. Does a common factor exist between susceptible hosts?
2. Are all infections fatal in all species of susceptible hosts?
3. Do environmental factors exist that limit infections in susceptible hosts?

Module 3: Parasite Genetics

1. How many species/clades/variants of *Hematodinium* exist worldwide?
2. Are the identified species/clades native to the areas where they are found?
3. Do they possess similar or different virulent factors?

Module 4: Parasite Ecology

1. Are certain physical/environment factors associated with the spread of the disease? (e.g. global warming, sediment type, etc.)
2. Do reservoirs exist?
3. The ecology of those differing species.clades.variants.
4. The life history of the parasite both within and outside of the host.
5. Does a common feature exist for Hematodinium associated diseases or what are the differences of disease progression with respect to host species, environment, and geographic location?

Module 5: Pathobiology

1. What pathophysiological changes occur over the course of disease?
2. What factors offer resistance to infection?
3. What are the factors that pre-dispose potential hosts to infection?
4. What is the method of infection and nature of the infective stage?
5. What pathophysiological changes are responsible for the bitter flavor?
6. How and at what rate are hemocytes removed from circulation?
7. Does *Hematodinium* associated disease affect moulting?