

Rebecca J. Gast

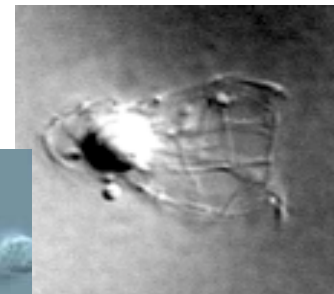
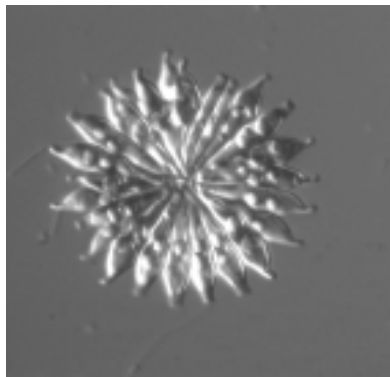
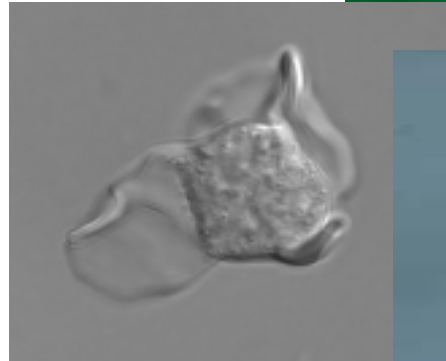
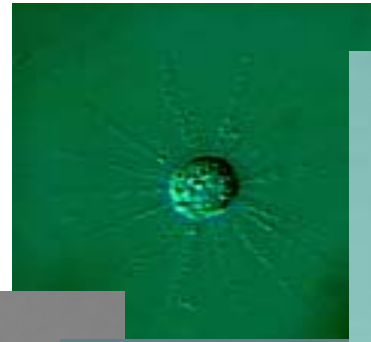
Woods Hole Oceanographic Institution

Detection.....

Identification...

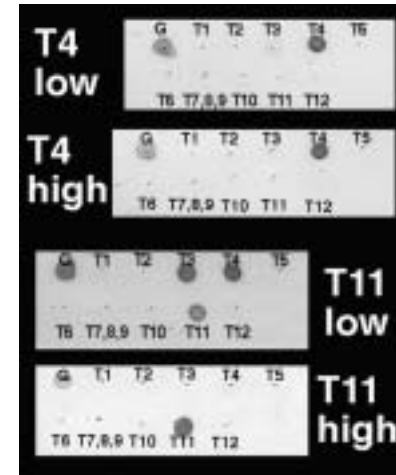
Enumeration.....

.....Of marine protists



# Results

- Acanthamoebae
  - Reverse Dot Blot Hybridization
    - Detection and identification of ribotypes in environmental samples
- PNA probes
  - in situ detection of acanthamoebae
  - Flow cytometric analysis of marine plankton



# Conclusions

- Acanthamoebae
  - Ribotypes recovered by enrichment culture are potentially not representative of the natural sample
  - New ribotypes can be detected with this method
  - Adapting this method for other marine parasites
- PNA probes
  - Generally work very well
  - Secondary structure may still be an issue