



CDB SEMINAR

Paul Sternberg

California Institute of Technology

Friday, September 5, 2008

16:00~17:00 A7F CDB Seminar Room

Chemicals and Neurons Controlling Nematode Behavior

Summary

We are trying to extend knowledge gained in studies of *C. elegans* to parasitic nematodes, focusing on chemical signaling. The response of *C. elegans* and other nematodes to carbon dioxide is one example. *C. elegans* avoids carbon dioxide while some other worms are attracted to this gas. We have identified sex pheromones that attract *C. elegans* males and are testing other species. For each of these behaviors we have identified specific types of neurons necessary for the response to the environmental stimuli.

Host:

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