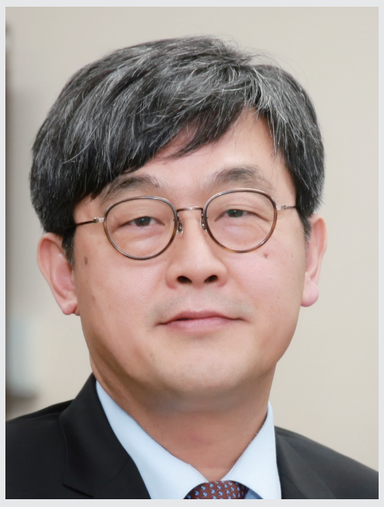
BCS
Colloquium Series

Behavior, neural circuit, connectome and developmental plasticity in *C. elegans*



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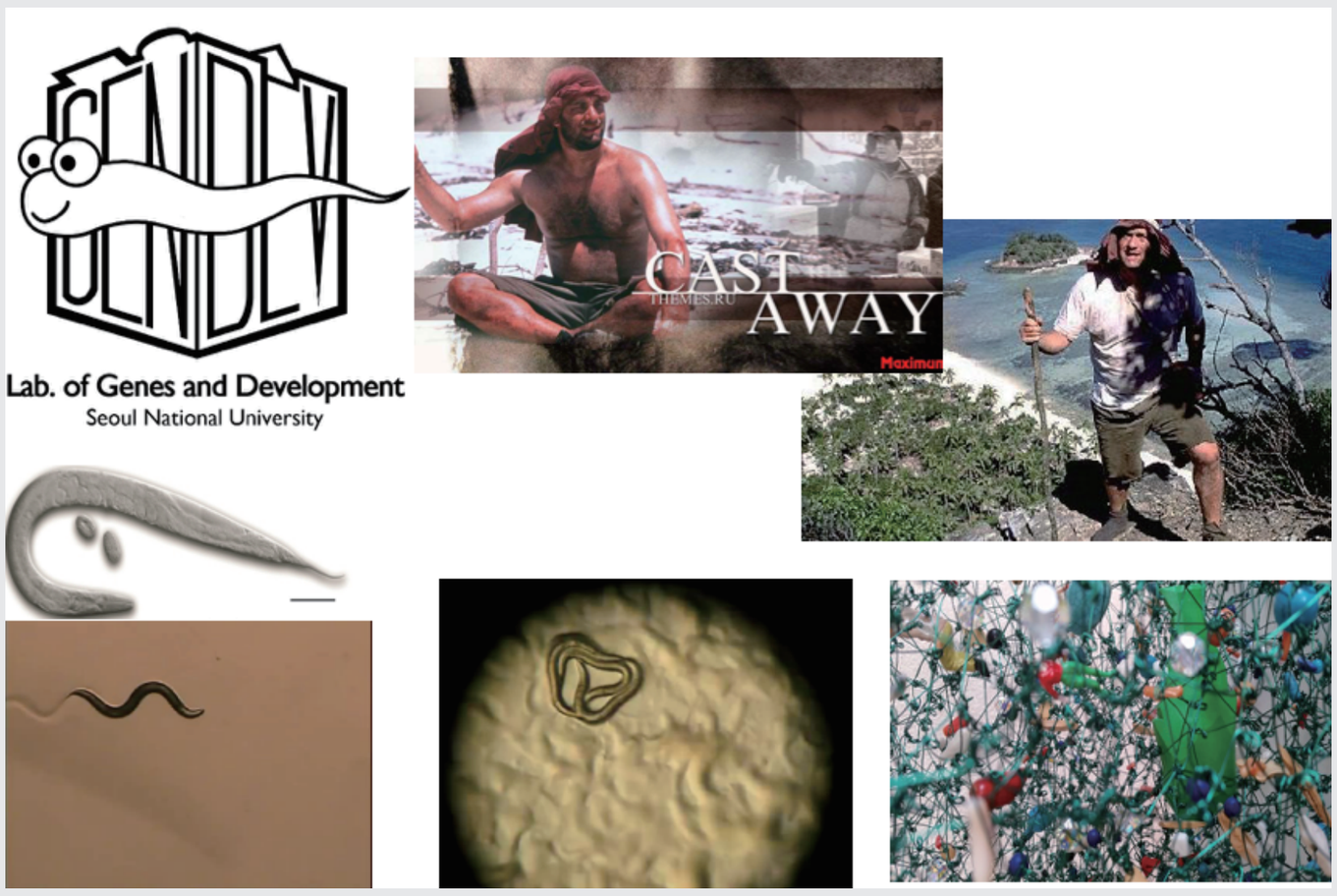
Due to its short life cycle and simple anatomy, the nematode *C. elegans* serves as a model system for studying the nervous system. In my lab, we have been working on a hitch-hiking behavior called nictation. The questions we are addressing include: *1) what is the neural circuit for the behavior? 2) why do only dauers, but not other stage worms, perform this behavior? 3) does the behavior show natural variation in different locations? If so, what genes are involved? and 4) is the development of the nervous system flexible?* Our findings will contribute to the understanding of the molecular basis of the development and evolution of a behavior and the connectome of the animal. I will also present some preliminary results of our Korean nematode diversity project.



Date: May 31 (Fri) 4:30 p.m.
Place: Bldg. 203 Rm.106

Brain & Cognitive Sciences
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BK21 플러스