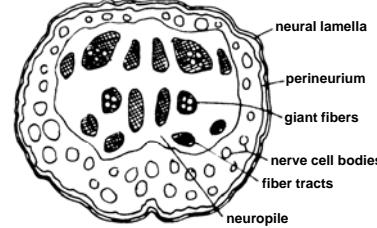
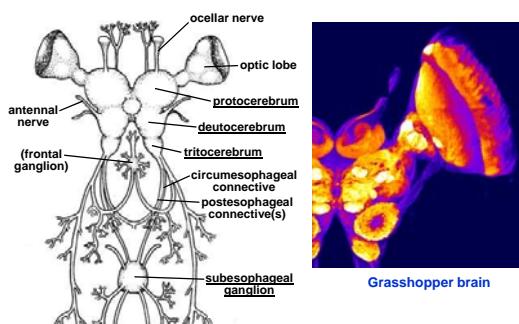


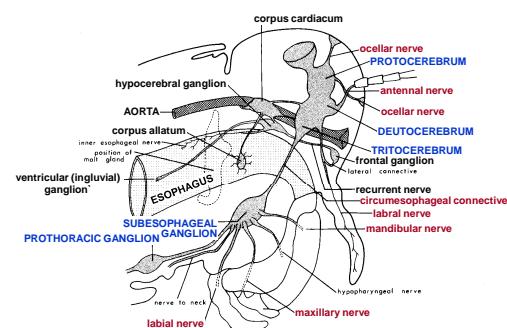
Brain or ganglion, cross-section

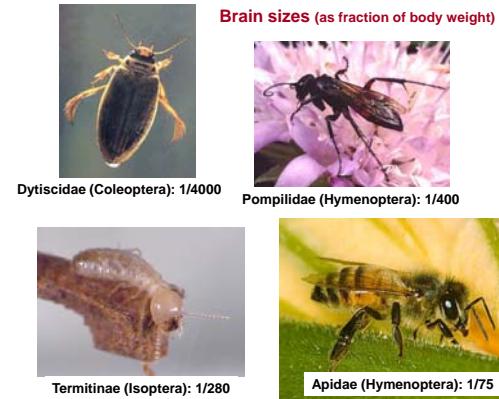
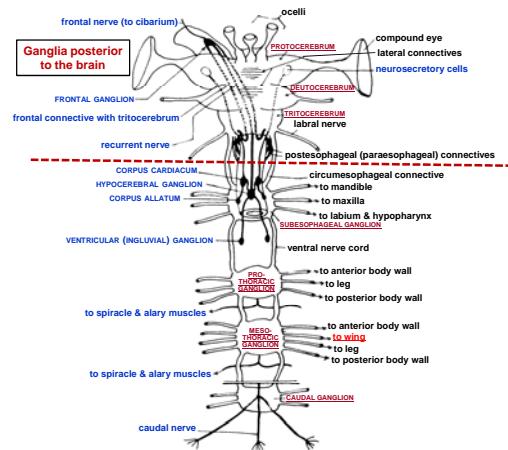


The insect brain

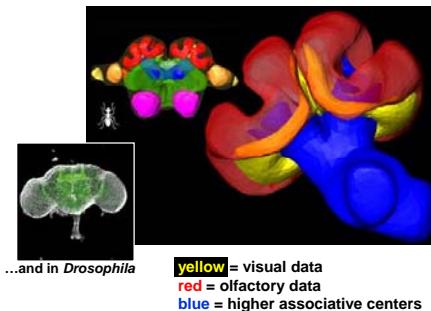


The CNS: anterior components

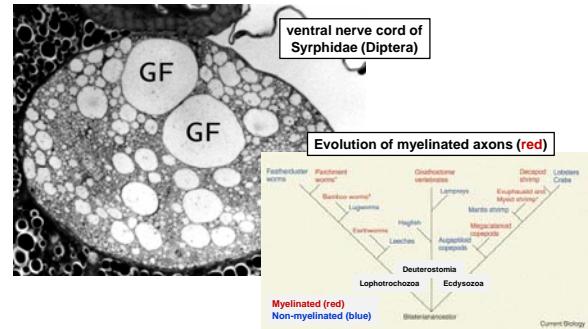




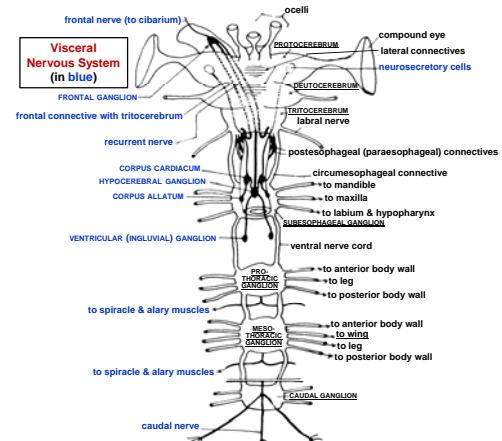
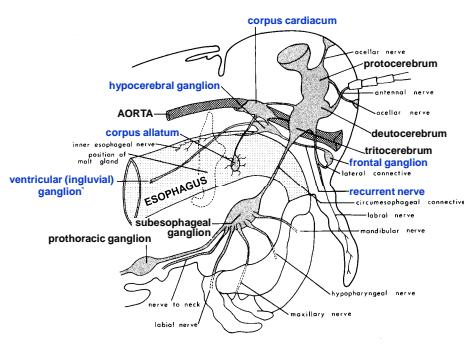
Mushroom bodies or corpora pedunculata
(Ex. = worker ant brain)

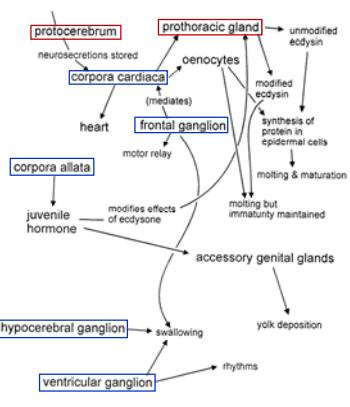
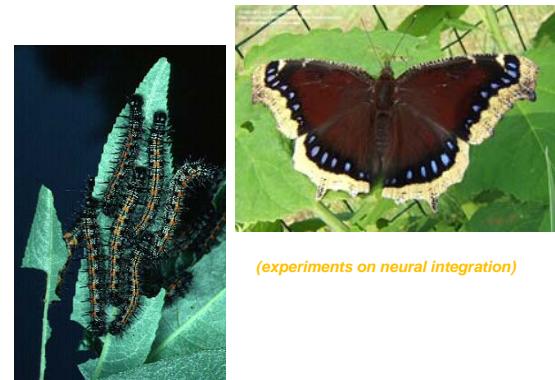
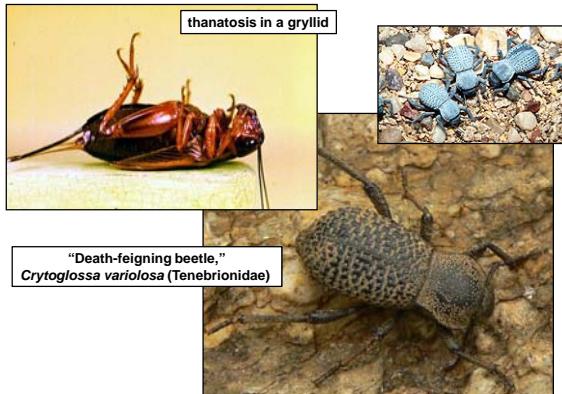


Giant fibers (axons)



The VNS: stomatogastric components



*Nymphalis antiopa* – the mourning cloak butterfly**Reflex immobilization (thanatosis)****Learning****Landmark orientation**
(Digger wasp – Hymenoptera: Sphecidae)**Learning through Imprinting**(host fidelity and speciation – Diptera: Tephritidae: *Rhagoletis pomonella*)