

9.14
Optional Assignment
for Extra Credits
Spring 2002

Answer either/both of the following questions. Your response to each should not be more than 2 pages (12 points, single space). Your bibliography for each should include at least one *research article* published in any journal. Also list all the review journal articles or book chapters you have consulted.

1. Describe a neuroanatomical technique for tracing neuronal connections *not* named and described in your Brodal textbook (pp. 166-168), and how it has been applied in a particular neuroanatomical study in the literature.

2. Summarize a study in the literature describing structural differences in a particular part of the nervous system for at least two different species. Can you suggest how the differences may be correlated with different behavior/ functions in the species being compared?

The following are some journals and a database you may wish to consult. There are many other possibilities:

Brain, Behavior and Evolution

Journal of Comparative Neurology

Journal of Comparative Physiology. A, Sensory, Neural, and Behavioral Physiology

Journal of Neuroscience

Journal of Neuroscience Methods

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