







## Sagittal Section of Midbrain and Diencephalon




## Sheep Brain Dissection



## Layers of the Cerebellum



At low power, the cerebellum is distinguished by its three visible layers. The inner layer (blue arrow) is white matter on the inside compared to its "outer" spinal cord position. The outer layers are gray matter: granular layer (red arrow), molecular layer (green arrow), and Purkinje cell layer between those two layers.



## Alzheimer's Tangle



This is a neurofibrillary "tangle" of Alzheimer's disease. The tangle appears as long pink filaments in the cytoplasm. They are composed of cytoskeletal intermediate filaments.


## Lab Protocol

I. Anatomy of the Brain: Exercise 19
A. Materials:

1. Cadaver dissections: excised brain specimens
2. sheep brains for student dissection
3. brain models
4. brain sections preserved in lucite
B. Procedures:
5. Identify indicated parts in models and specimens and relate structures to their functions.
6. Dissect sheep brain and relate to human brain.

## II. Cranial Nerves

A. Materials:

1. dissection/preparation of cranial nerves in cadaver
2. other view of cranial nerves, e.g., skull preparation, manual, etc.
B. Procedures:
3. Discuss nomenclature (On Old Olympus Towering Tops A Fin And German Viewed Some Hops), location, origin and course of cranial nerves.
4. Discuss functions of cranial nerves.
