

9.14

Class #26: Introduction to the forebrain **Friday April 8**

Questions based on lectures:

1. What cranial nerves are attached to the forebrain? (Some of these are not among the 12 usually named for human brain.)
2. What studies in recent years have provided evidence for the old hypothesis that the endbrain in early chordate evolution was dominated by olfaction?
3. Contrast the suggested early functional roles of the medial pallium and the corpus striatum.
4. Is it true that brain size always increases in evolution? Why would it ever decrease? (See also: Striedter readings.)
5. What happened, in evolution, to the original olfactory parts of the endbrain? (What terms are used? What were the major changes in the endbrain?)
6. What was the major cause of the differentiation of dorsal and ventral parts of the corpus striatum?
7. From what part of the primitive neural tube did the neocortex evolve? What kinds of data support this?