Homework #4

“Aggregation of alpha-Synuclein by DOPAL, the Monoamine Oxidase Metabolite of Dopamine”


Each question is worth 20 points.

1. What is alpha-synuclein?

2. What are Lewy bodies?

3. What reaction does monoamine oxidase catalyze using dopamine?
4. How does thioflavin-S staining of alpha-synuclein aggregates work?

5. MAO inhibitors are currently widely used to treat what medical problem? (Keep this in mind as you think about the implications of this study on Parkinson’s disease.)