**Readings:**

<http://www.nature.com/neuro/journal/v5/n5/full/nn842.html>

<http://www.bbc.com/news/uk-scotland-34583642>

Julien Chapter 16

**What are neurodegenerative diseases?**

**Parkinson’s Disease**

1. What is Parkinson’s?

* Symptoms
* Areas in the brain that are implicated

1. Drug therapies

* Levadopa
* COMT Inhibitors
* Dopamine Receptor Agonists
* Selective MAO-B Inhibitors
* Muscarinic Receptor Antagonists

1. Risk Factors
2. Recent treatments/ Research

* Article Discussion
* Deep Brain Stimulation
* Exercise

**Alzheimer’s**

1. What is Alzheimer’s?
   * Symptoms
2. Cellular Disturbances
   * Amyloid Plaques
   * Neurofibrillary Tangles (NFTs)
3. Risk Factors
   * Genetic
   * Epigenetic
   * Behavioral
4. Drug therapies
   * Current
   * Future