They increase the likelihood that it will fire

- Inhibitory
  - Inhibit the neuron
  - They decrease the likelihood that it will fire

Neurotransmitters Influence Our Mental Activity and Behavior

- Agonists
  - Drugs that enhance the actions of neurotransmitters

- Antagonists
  - Drugs that inhibit the actions of neurotransmitters

Acetylcholine

- Functions:
  - Motor control over muscles
  - Think BOTOX
  - Botulism- a form of food poisoning that inhibits the release of acetylcholine
  - Involved in complex mental processing
    - Influences: attention, memory, learning, and sleeping
      - Drugs that are acetylcholine antagonists can cause temporary amnesia
      - Drugs that are acetylcholine agonists may enhance memory and decrease symptoms of Alzheimer’s

Norepinephrine

- Functions: