**GLUTAMATE**
Excitatory amino acid neurotransmitter ubiquitous throughout the brain, activates NMDA, AMPA and kainate receptors. *Also a neuromodulator via metabotropic glutamate receptors*

**GABA**
Inhibitory amino acid neurotransmitter, activates GABA receptors throughout the brain, causing hyperpolarisation and inhibition of the postsynaptic neuron.

**ACETYLCHOLINE**
Acts as a neurotransmitter in the peripheral nervous system causing muscles to contract.

**SEROTONIN**
Acts as a neurotransmitter in the peripheral nervous system.

**ACETYLCHOLINE**
A neuromodulator in the central nervous system involved in behaviors related to drug abuse, attention, food intake, and memory.

**SEROTONIN**
A neuromodulator in the central nervous system that has been identified as important for regulating sleep quality, mood, depression and anxiety.

**DOPAMINE**
Important neuromodulator for movement, dopaminergic cells are concentrated in the basal ganglia. Also important for enhancing addictive behaviors.

**NORADRENALINE / NORADRENALINE**
Important neuromodulator of wakefulness and arousal. In the sympathetic nervous system, noradrenaline regulates heart rate and blood pressure.

**HISTAMINE**
Neuromodulator involved in wakefulness and alertness.

---

**References**