

NEUROTRANSMITTERS, DRUGS, AND MENTAL ILLNESS

Neurotransmitter	Major Functions	Drugs Affecting	Associated Mental Illnesses
<i>Dopamine</i>	Reward, muscle activity, energy, attention, pleasure , emotional stability	All, but some more than others!	Schizophrenia, other psychosis
<i>Norepinephrine</i>	Energy, motivation, eating, attention, pleasure, alertness, assertiveness, confidence - "fight or flight"	Simulants, nicotine	Anxiety, depression
<i>Serotonin</i>	Mood stability, appetite, sleep, sexual activity, aggression, self-esteem	Stimulants, hallucinogens	Depression
<i>Anandamide</i>	Learning, memory, motor coordination, integration of sensory experience with emotion	Marijuana	
<i>Endorphins</i>	Pain control, reward, stress control	Opioids, alcohol, marijuana, PCP	Mood lability, emotional pain
<i>GABA</i>	Major inhibitory NT, muscle relaxant, controls aggression, arousal - brain's "valium"	Alcohol, benzodiazepines, barbituates, PCP	Anxiety, insomnia
<i>Glutamate</i>	Major excitatory NT, memory, learning, arousal, reward	Ketamine, PCP	Mania