

| | | | Neurotransmitter | Receptor | Functions |
|------------------------------|-------------|----------------|------------------|--|---|
| Small molecules | | | Acetylcholine | Cholinergic (muscarinic and nicotinic) | Parasympathetic response, skeletal muscle, memory |
| | Monoamines | Catecholamines | Epinephrine | Alpha and beta adrenergic | SNS response |
| | | | Norepinephrine | Alpha and beta adrenergic | SNS, arousal, attention, mood |
| | | | Dopamine | Dopaminergic | Reward and reinforcement, motivation, motor control |
| | | | Serotonin | 5HT1-7 | Digestion, sleep, anxiety, mood, appetite, social behaviour |
| | | | Histamine | H1-H4 | Inflammatory response, wakefulness |
| | Amino Acids | | Glutamate | AMPA, kainite, NMDA | Main excitatory |
| | | | GABA | GABAa and GABAb | Main inhibitor NT |
| | | | Glycine | Glycine (glyR) | Main inhibitor NT |
| Peptides | | | Endorphins | Mu, kappa, delta opioid | Analgesia, euphoria |
| | | | Substance P | Neurokinin (NK1) | Pain transmission |
| Gaseous signalling molecules | | | Nitric Oxide | Soluble guanylate cyclase | Smooth muscle dilation, immune response |