

Physio Unit 2 Cheat Sheet by brebernard via cheatography.com/36010/cs/11332/

Neurochemistry basics

Effects NT's are released together combined with other chemicals

3 Principles

Associations NT's are associated with specific attributes

Categories NT's are categorized by their

chemical structures

Excitatory/in NT's are EITHER excitatory OR

hibitory inhibitory

Small Molecule NT's

Acetylch Chemical messenger
oline

Amines include dopamine, serotonin, antihistamine

Amino amine+carboxyl group; include Acids glutamate and GABA

Peptides

Peptides chains of amino acids; largest group of NT's

Other NT's

Lipids organic compounds; not water soluble, include cannabinoids

Nucleo can be released in places other than the synapse; most prominent is adenosine

Gases diffuse in other places in the nervous system; include carbon monoxide and nitric oxide

Achetylcholine

Who Otto Lovi
discovered it?

Where does the binding of acetate acetate it come and choline; choline is found in from? diet

What AChE (acetylcholinesterase) breaks

Achetylcholine (cont)

What activates muscles; receptors for does it do activation are Nicotinic receptors in the PNS?

Excitatory excitatory but can excite inhibitory or NT's

Inhibitory?

What primary NT in the hippocampus; does it do critical for learning and memory; in the helps maintain attention CNS?

How rises during REM sleep; is usually does it an arousing NT affect

Is it linked if ACh is very high, yes. causation with is not proven

depressio

sleep?

n?

Monoamine

Catech arousing neurotransmitters olamines

What MAO (monoamine-oxidase); allows breaks for more amines in synaptic cleft down

Catech olamines?

ody?

How very low MAO is linked with
does aggression; low MAO+being
MAO abused=high chance of becoming an
affect abuser; combination of life
the experiences and MAO determine
brain/b likelihood and severity of depression



down ACh?

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