

At the synapse, the firing of an action pottential in one neuron - the presynaptic, or sending rewron - courses the transmission of a signal to another neuron the post-synaptic, or recieving neuron - making postsynaptic more or less likely to the its own potential. active of action potential reaches ascen terminal and depolizes wendown.

O 6000

O voltage gold a 24 channels open and a 27 ions of aux in. depolarizata rescilles to release E neurotransmittes. Meurotrammitter tinds to receptors on larget cell. Namet egu for equilibrium potentials: tenperature in Flow = RT x ln (Lian Jout (Clan Jour) For Faraday's constant whene 2 sintence of ion, R = gay constant. (9.6.485).

(8315 TK mol-)

It allows the elactrical potential across the membrane at equilibrium to be predicted exactly and accurately.

four channels are membrane proteins, which play. They are principle is togular cellular exatebility. They are found is virtually all earls, and are of courial physiological importance.

channels differ in the no. of types of ions they will park. . so it can be characterised into:

1) SELECTIVITY -> Enterol stometine defenuines what ions will gars through the nucleular fitter.

CHETING of medanisms what course channels to open,
it can be open (permahanetty open)
and goted (oregins form of activate to open,).

thypospolarizati is when membrane potential becomes
mor regatives at a particular spot on the neuron's
membrane. It occurs when jon channels in the membrane
open or close, aftering the lability of particular types
of jone to enter or exit.

4 The opening of commels that let positive ions to four out of the cell (or regative ions flow in)

ex: opening of channels that let kt out of the cell.