

- Metabotropic receptors (transmembrane)
 - Not ion channels but change shape when binded
 - Initiates cascade of events inside cell that could do a million different things
 - Response can be far away in cell
 - Takes time and can last longer
- Sleep and dreaming
 - Electroencephalogram--watch the neurons and brain waves when they're sleeping (EEG)
 - REM- rapid eye movement= dreaming
 - Brain waves look like they do when we are awake
 - Reticular formation sends excitatory signals to the cerebral cortex throughout the day
 - Sends fewer as we go to sleep
 - Resting potential is cerebral cortex lowers
 - Start to fire again during REM sleep

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Page 4 of 4