



## Why W Neurons decreases and C Neurons increases in fever

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### Abstract:

As you aware, if temperature increases (Absence of fever) after 31 degree Celsius, Warm sensitive neurons increase their firing rate and inhibit Cold sensitive neurons as core temperature increases. As temperature drops, the firing rate of Warm sensitive neurons decreases, reducing their inhibition, and Cold sensitive neurons which respond by increasing their firing rates. On the contrary to increase of temperature, in fever the firing rate of Warm sensitive neurons decreases, the firing rate of Cold sensitive neurons increases as core temperature increases. Inhibit warm sensitive neurons. The temperature increasing and decreasing controlled by the brain. The firing rate of Warm sensitive neurons and Cold sensitive neurons also controlled by the brain.



### Biography:

K M Jacob is a practicing Physician in the field of Healthcare in the state of Kerala in India for the last 30 years and is very much interested in basic research

### Publications:

K M Jacob, Infection prevention 2020: Fever is not symptom, why our body acts against facts of physics in fever

[29<sup>th</sup> International conference on Nursing care and Nursing Education, August 25-26, 2020, Osaka, Japan](#)

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