

PERSPECTIVE ON CONSCIOUSNESS -- SPECIALIZED NEURONS, THEIR CHARACTERISTICS AND THEIR CIRCUITRY

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ABSTRACT

This article introduces a fresh theory of consciousness based on complex neural circuitry, as envisioned from the novel perspective of electrical circuit science. Circuit science goes well beyond molecular science to show a need for certain specialized neurons during everyday brain operations. For example, it is found that certain neurons must support single pulses where accurate timing is required, as essential to an efficient mental system. In related instances, precise control is mandatory, requiring neurons that can be made self-active for a time, but that are easily toggled between active and rest. The article below describes such neurons, and other essential neurons theoretically necessary to generate a plausible mental structure capable of consciousness.

KEYWORDS: Complex Neural Circuitry, Neurons