

# Task-negative

In neuroscience, a **task-negative** (TN) mode, also known as the default mode network, is inversely correlated to the task-positive mode.<sup>[1]</sup> Its main function is to reorient attention towards salient stimuli. TN is considered to be involved mostly, if not entirely, in involuntary actions. The neural network is right hemisphere lateralized and includes the right temporal-parietal junction and the right ventral frontal cortex.<sup>[2]</sup> This system shows activity increases upon detection of salient targets, especially when they appear in unexpected locations.<sup>[3][4][5][6][7]</sup> Activity increases also are observed in the ventral system after abrupt changes in sensory stimuli,<sup>[8]</sup> at the onset and offset of task blocks,<sup>[9]</sup> and at the end of a completed trial.<sup>[10]</sup>

## Role in disease

Studies have reported a hyper-connectivity of TN brain regions in depression during rest.<sup>[11][12]</sup>

## See also

- Angular gyrus
- Mind-wandering

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