Brain function ‘boosted for days after reading a novel’

Being pulled into the world of a gripping novel can trigger actual, measurable changes in the brain that linger for at least five days after reading, scientists have said.

The new research, carried out at Emory University in the US, found that reading a good book may cause heightened connectivity in the brain and neurological changes that persist in a similar way to muscle memory.

The changes were registered in the left temporal cortex, an area of the brain associated with receptivity for language, as well as the the primary sensory motor region of the brain.

Neurons of this region have been associated with tricking the mind into thinking it is doing something it is not, a phenomenon known as grounded cognition – for example, just thinking about running, can activate the neurons associated with the physical act of running.

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