

Quantum Entanglement

YOUR JOURNEY TO UNDERSTANDING

Quantum Entanglement

Study Explores How We Learn

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Have you ever wondered if your brain could be influenced by something as mysterious as quantum physics? New research suggests that our consciousness—how we think, feel, and experience the world—might be connected to the strange world of quantum entanglement.

What Is Quantum Entanglement?

The study, Evidence of Quantum-Entangled Higher States of Consciousness by Àlex Escolà-Gascón, explores how quantum entanglement may boost learning and awareness in the brain. Using 106 sets of identical twins, the research tested whether quantum connections—where two particles instantly affect each other even when far apart—can also happen in human consciousness. Researchers used advanced tools like brain scans (EEG), emotional images, and even a supercomputer in Australia (IBM Brisbane) to conduct a learning experiment with hidden patterns.

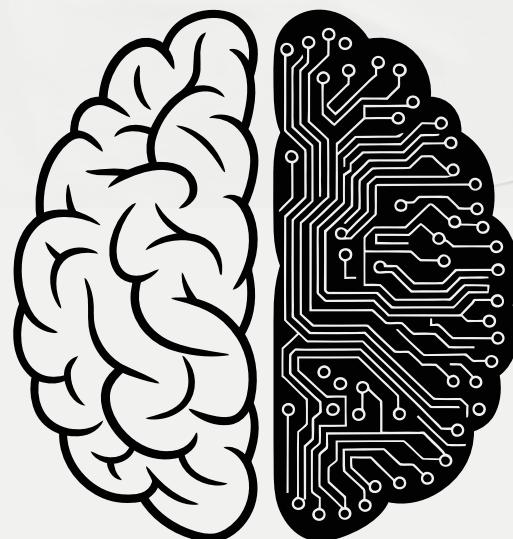
In the study, researchers designed two types of systems: one with quantum entanglement (connected particles) and one without it. Participants had to predict movements of dots on a screen using only faint visual cues.

What Did The Study Discover?

To measure these changes, the scientists developed a new tool called the Quantum-Multilinear Integrated Coefficient (Q). This tool helped them see how much quantum entanglement improved learning. In the best cases, performance improved by over 8%.

The pairs of twins who used the entangled system showed:

- Better Learning: They guessed future events more accurately.
- Brain Changes: Their brain activity and learning performance matched up more closely with each other's.
- Biological Signals: Brain chemicals like BDNF (which supports brain growth and learning) were higher in these participants.



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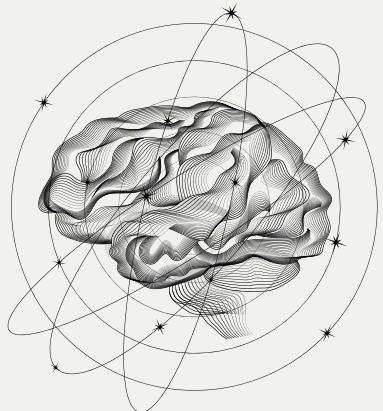
Why Does This Study Matter?

This study might change how we understand consciousness. It suggests that we may not just think with neurons but also with quantum connections that go beyond space and time.

That could explain things like gut feelings, sudden insights, and the “twin connection” many siblings report.

It also connects to nature—birds navigating across continents or plants sensing danger could all involve forms of “quantum-like” awareness. This exciting research opens new paths for science, health, and even technology.

We're only just beginning to understand how our minds work. But if quantum physics plays a part in it, the possibilities for learning, healing, and human potential are enormous.



ABOUT THE AUTHOR

DAWN PEARSON IS A WRITER WITH A BACKGROUND IN BIOLOGY, LIFE SCIENCES, AND BIOTECHNOLOGY.



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Reference

Escolà-Gascón Á. Evidence of quantum-entangled higher states of consciousness. Comput Struct Biotechnol J. 2025;30:21-40. Published 2025 Mar 10. doi:10.1016/j.csbj.2025.03.001. <https://linkinghub.elsevier.com/retrieve/pii/S2001037025000704>