

## The Myth Of Mirror Neurons The Real Neuroscience Of Communication And Cognition Gregory Hickok

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### The Myth Of Mirror Neurons

In The Myth of Mirror Neurons, neuroscientist Gregory Hickok reexamines the mirror neuron story and finds that it is built on a tenuous foundation—a pair of codependent assumptions about mirror neuron activity and human understanding. Drawing on a broad range of observations from work on animal behavior, modern neuroimaging, neurological disorders, and more, Hickok argues that the foundational assumptions fall flat in light of the facts.

### The Myth of Mirror Neurons: The Real Neuroscience of ...

The Myth of Mirror Neurons not only delivers an instructive tale about the course of scientific progress—from discovery to theory to revision—but also provides deep insights into the organization and function of the human brain and the nature of communication and cognition. ...more.

### The Myth of Mirror Neurons: The Real Neuroscience of ...

An essential reconsideration of one of the most far-reaching theories in modern neuroscience and psychology., The Myth of Mirror Neurons, The Real Neuroscience of Communication and Cognition, Gregory Hickok, 9780393089615

### The Myth of Mirror Neurons | Gregory Hickok | W. W. Norton ...

Mirror neurons are not mythical. These neurons, first observed in the monkey brain by the group of Giacomo Rizzolatti in Parma, fire both when the monkey executes an action and when it observes...

### (PDF) The myth of “the myth of mirror neurons”.

Into all this love and understanding comes Gregory Hickok, a rival neuroscientist, wielding Occam's Razor and a host of other rhetorical weapons, in his new book, The Myth of Mirror Neurons. Hickok...

### Are Mirror Neurons A Myth - And What Are They, Anyway?

In The Myth of Mirror Neurons, neuroscientist Gregory Hickok reexamines the mirror neuron story and finds that it is built on a tenuous foundation - a pair of codependent assumptions about mirror neuron activity and human understanding. Drawing on a broad range of observations from work on animal behavior, modern neuroimaging, neurological disorders, and more, Hickok argues that the foundational assumptions fall flat in light of the facts.

### The Myth of Mirror Neurons (Audiobook) by Gregory Hickok ...

This lecture was recorded on September 21, 2014 as part of the series of over 350 Distinguished Science Lectures presented by the Skeptics Society since 1992...

### Dr. Gregory Hickok — The Myth of Mirror Neurons - YouTube

Speaker:Dr. Gregory Hickok. In this myth-busting talk based on his new book, U.C. Irvine cognitive scientist Dr. Gregory Hickok calls for an essential reconsideration of one of the most far-reaching theories in modern neuroscience and psychology. Ever since the discovery of mirror neurons in macaque monkeys in 1992 there has been a stream of scientific studies implicating mirror neurons in everything from schizophrenia and drug abuse to sexual orientation and contagious yawning.

### The Myth of Mirror Neurons - Skeptic

The fact that macaques have mirror neurons means that these cells can't by themselves explain our social behavior. Advertisement Second, the myth suggests that brain structure is innate.

### What the myth of mirror neurons gets wrong about the human ...

The Myth of Mirror Neurons. (Warning: A bit of shameless self-promotion follows, but you might be interested anyway.) My forthcoming book, The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition is now available for pre-order on Amazon. You had to know this was coming given my obsession with, and frustrated rantings about mirror neuron theory in many posts on this blog.

### Talking Brains: The Myth of Mirror Neurons

In his new book The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition , Gregory Hickok, a professor of cognitive science, challenges current conceptions about mirror neurons. He shows how a complex mythology arose and why it is unwarranted, how experimental results were misinterpreted and disconfirming evidence ignored, and how other interpretations might lead to better insights about how the brain works.

### Mirror Neurons and the Pitfalls of Brain Research ...

So the myth of mirror neurons refers to the widespread belief that these cells support understanding in any area. The “real” neuroscience refers to the more complicated (less black and white) picture of how the brain creates cognition and enables communication.

### Smart Reads: Gregory Hickok's 'The Myth of Mirror Neurons ...

The behavioral characteristic of mirror neurons that generated such excitement is this: Neurons fire when a subject reaches for an object as well as when a subject observes someone else reach for an object. This simple but profound feature, which suggests a relationship between knowledge of self-actions and an understanding of the intentions of ...

### THE MYTH OF MIRROR NEURONS by Gregory Hickok | Kirkus Reviews

Neuroscientist Vilayanur Ramachandran outlines the fascinating functions of mirror neurons. Only recently discovered, these neurons allow us to learn complex social behaviors, some of which formed the foundations of human civilization as we know it.

### Vilayanur Ramachandran: The neurons that shaped ...

The Myth of Mirror Neurons by Gregory Hickok Being out of the field for several decades, “mirror neurons” were after my time as a psychologist. I think I first heard of mirror neurons reading an otherwise excellent paper about understanding dance and movement, which is very much about embodied cognition, imitation, and empathy (I think it was in reference 2 below ).

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