



The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition

Gregory Hickok



[Click here](#) if your download doesn't start automatically

The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition

Gregory Hickok

The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition Gregory Hickok

An essential reconsideration of one of the most far-reaching theories in modern neuroscience and psychology.

In 1992, a group of neuroscientists from Parma, Italy, reported a new class of brain cells discovered in the motor cortex of the macaque monkey. These cells, later dubbed mirror neurons, responded equally well during the monkey's own motor actions, such as grabbing an object, and while the monkey watched someone else perform similar motor actions. Researchers speculated that the neurons allowed the monkey to understand others by simulating their actions in its own brain.

Mirror neurons soon jumped species and took human neuroscience and psychology by storm. In the late 1990s theorists showed how the cells provided an elegantly simple new way to explain the evolution of language, the development of human empathy, and the neural foundation of autism. In the years that followed, a stream of scientific studies implicated mirror neurons in everything from schizophrenia and drug abuse to sexual orientation and contagious yawning.

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. He then explores alternative explanations of mirror neuron function while illuminating crucial questions about human cognition and brain function: Why do humans imitate so prodigiously? How different are the left and right hemispheres of the brain? Why do we have two visual systems? Do we need to be able to talk to understand speech? What's going wrong in autism? Can humans read minds?

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.



[Download The Myth of Mirror Neurons: The Real Neuroscience of Co ...pdf](#)



[Read Online The Myth of Mirror Neurons: The Real Neuroscience of ...pdf](#)

Download and Read Free Online The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition Gregory Hickok

Download and Read Free Online The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition Gregory Hickok

From reader reviews:

Laura McLaughlin:

In other case, little people like to read book The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition. You can choose the best book if you love reading a book. So long as we know about how is important some sort of book The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition. You can add expertise and of course you can around the world by just a book. Absolutely right, due to the fact from book you can realize everything! From your country until finally foreign or abroad you may be known. About simple factor until wonderful thing you are able to know that. In this era, we are able to open a book or maybe searching by internet device. It is called e-book. You may use it when you feel fed up to go to the library. Let's read.

Daniel Johnson:

Reading a guide tends to be new life style on this era globalization. With reading you can get a lot of information that could give you benefit in your life. Together with book everyone in this world can easily share their idea. Ebooks can also inspire a lot of people. A great deal of author can inspire their own reader with their story as well as their experience. Not only the story that share in the guides. But also they write about the ability about something that you need example. How to get the good score toefl, or how to teach your sons or daughters, there are many kinds of book that you can get now. The authors these days always try to improve their skill in writing, they also doing some exploration before they write with their book. One of them is this The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition.

Mary Jones:

This The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition is great book for you because the content that is full of information for you who have always deal with world and still have to make decision every minute. That book reveal it facts accurately using great arrange word or we can declare no rambling sentences included. So if you are read the item hurriedly you can have whole facts in it. Doesn't mean it only offers you straight forward sentences but tricky core information with attractive delivering sentences. Having The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition in your hand like finding the world in your arm, info in it is not ridiculous one particular. We can say that no publication that offer you world throughout ten or fifteen tiny right but this guide already do that. So , this really is good reading book. Hey there Mr. and Mrs. stressful do you still doubt that?

Walter Telford:

The book untitled The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition contain a lot of information on it. The writer explains her idea with easy approach. The language is very clear to see all the people, so do certainly not worry, you can easy to read it. The book was compiled by famous author. The author gives you in the new period of time of literary works. You can read this book because you

can keep reading your smart phone, or program, so you can read the book in anywhere and anytime. If you want to buy the e-book, you can available their official web-site and order it. Have a nice go through.

**Download and Read Online The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition Gregory Hickok
#OS3QIG26H90**

Read The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition by Gregory Hickok for online ebook

The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition by Gregory Hickok Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition by Gregory Hickok books to read online.

Online The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition by Gregory Hickok ebook PDF download

The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition by Gregory Hickok Doc

The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition by Gregory Hickok MobiPocket

The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition by Gregory Hickok EPub

The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition by Gregory Hickok Ebook online

The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition by Gregory Hickok Ebook PDF