



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

*Gregory Hickok*

Download now

[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.

7 illustrations

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

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

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

---

### **From reader reviews:**

#### **Kim Townsend:**

Book is actually written, printed, or outlined for everything. You can realize everything you want by a book. Book has a different type. To be sure that book is important thing to bring us around the world. Close to that you can your reading proficiency was fluently. A publication The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition will make you to become smarter. You can feel a lot more confidence if you can know about almost everything. But some of you think that will open or reading a new book make you bored. It isn't make you fun. Why they might be thought like that? Have you seeking best book or ideal book with you?

#### **Jessica Garcia:**

What do you concerning book? It is not important together with you? Or just adding material when you really need something to explain what you problem? How about your free time? Or are you busy particular person? If you don't have spare time to complete others business, it is gives you the sense of being bored faster. And you have spare time? What did you do? Everyone has many questions above. They need to answer that question simply because just their can do that. It said that about e-book. Book is familiar in each person. Yes, it is appropriate. Because start from on pre-school until university need this particular The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition to read.

#### **Willette Bickel:**

This The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition are generally reliable for you who want to become a successful person, why. The explanation of this The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition can be one of many great books you must have is actually giving you more than just simple reading through food but feed a person with information that probably will shock your preceding knowledge. This book will be handy, you can bring it everywhere you go and whenever your conditions in e-book and printed kinds. Beside that this The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition forcing you to have an enormous of experience such as rich vocabulary, giving you demo of critical thinking that we know it useful in your day activity. So , let's have it and revel in reading.

#### **Larry Young:**

Playing with family in a park, coming to see the ocean world or hanging out with close friends is thing that usually you have done when you have spare time, after that why you don't try point that really opposite from that. Just one activity that make you not sensation tired but still relaxing, trilling like on roller coaster you have been ride on and with addition info. Even you love The Myth of Mirror Neurons: The Real Neuroscience of Communication and Cognition, you could enjoy both. It is fine combination right, you still would like to miss it? What kind of hang-out type is it? Oh seriously its mind hangout folks. What? Still

don't get it, oh come on its called reading friends.

**Download and Read Online The Myth of Mirror Neurons: The Real  
Neuroscience of Communication and Cognition Gregory Hickok  
#DY3MZWAP8KS**

# **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**