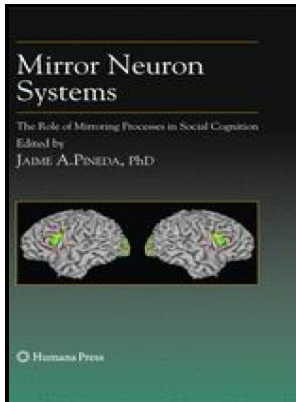


Mirror neurons and the evolution of brain and language

John Benjamins - mirror neurons and the evolution of brain and language



Description: -

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Mental tests.

Language and languages.

Brain -- Evolution.

Neural circuitry. Mirror neurons and the evolution of brain and language

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Mirror Neurons and the Evolution of Brain and Language

In nonhuman primates, the system provides for the understanding of biological action, and possibly for imitation, both prerequisites for language. Our lab now has preliminary hints from one highly functioning autistic child that this might be true Social Neuroscience Abstracts 2000. Eric Altschuller, Jamie Pineda, and I suggested at the Society for Neurosciences in 1998 that this suppression was caused by Rizzolatti's mirror neuron system.

Behavior Impact and Definition of Mirror Neurons

The role of objects in imitation by Wohlschlagel, Andreas , p101-113; 10. No arbitrary symbols were required.

Mirror Neurons

Buccino G, Vogt S, Ritzl A, Fink GR, Zilles K, Freund HJ, Rizzolatti G 2004.

Do Mirror Neurons Give Us Empathy?

Additionally, the mirror-neuron system is located in both of these areas. The picture Petitto and others see is one of a brain that evolved to process certain signals, be they acoustic, as with speech, or visual, as with signed languages—in terms of a grammatical structure.

Mirror Neurons and the Evolution of Language

Mirror neurons system and the evolution of brain, communication, and language, p173; 16. Thus, some researchers say that mirror neurons—which allow you to experience the actions of others—could shed light on some of the neural mechanisms underlying why we learn and communicate.

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