

MIRROR SYSTEMS AND MORE IN
EVOLVING THE LANGUAGE-READY BRAIN

Michael A. Arbib

University of Southern California

ABSTRACT

The Mirror System Hypothesis holds that the mechanisms that support language parity (the listener tends to understand what the speaker intended) evolved atop an ancestral mirror system for manual actions that supported both the generation and recognition of such actions. This paper¹ summarizes research that has enriched our understanding of the adaptability of mirror neurons and their role in the evolution of the human language-ready brain.

KEYWORDS

Mirror System Hypothesis Mirror neurons Language evolution
Language-readiness

1. WHAT WERE THE ANCESTRAL COMMUNICATION SYSTEMS?

A motivating passion: To understand “How the Brain Works,”
linking data on behavior – action, perception, language and the memory

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Michael A. Arbib is emeritus professor of computer science, biological sciences, biomedical engineering, electrical engineering, neuroscience and psychology at the University of Southern California; [arbib@usc.edu]. His current research has two main themes: the ABLE Project (linking Action, Brain, Language and Evolution) and exploring the linkage between neuroscience and architecture. His most recent books are *How the Brain Got Language: The Mirror System Hypothesis* (2012), *Language, Music and the Brain: A Mysterious Relationship* (2013) and *From Neuron to Cognition via Computational Neuroscience* (2016, with James Bonaiuto).

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镜像系统与其在人类有语言能力的大脑的演化中的作用

Michael A. Arbib

南加州大学

提要

镜像系统假说认为支撑语言奇偶性（听者趋于理解话者的意欲）的机制是从支撑行为动作的更早期的镜像系统演化而来，这个更早期的镜像系统支持动作的产生和识别这样的动作。这篇文章概括了那些丰富了我们对镜像神经元适应性的了解以及镜像神经元在人类有语言能力的大脑的演化中的作用的研究。

关键词

镜像系统假说 镜像神经元 语言演化 语言就绪