



Language, Music, and the Brain: A Mysterious Relationship (Strüngmann Forum Reports)

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This book explores the relationships between language, music, and the brain by pursuing four key themes and the crosstalk among them: song and dance as a bridge between music and language; multiple levels of structure from brain to behavior to culture; the semantics of internal and external worlds and the role of emotion; and the evolution and development of language. The book offers specially commissioned expositions of current research accessible both to experts across disciplines and to non-experts. These chapters provide the background for reports by groups of specialists that chart current controversies and future directions of research on each theme.

The book looks beyond mere auditory experience, probing the embodiment that links speech to gesture and music to dance. The study of the brains of monkeys and songbirds illuminates hypotheses on the evolution of brain mechanisms that support music and language, while the study of infants calibrates the developmental timetable of their capacities. The result is a unique book that will interest any reader seeking to learn more about language or music and will appeal especially to readers intrigued by the relationships of language and music with each other and with the brain.

Contributors: Francisco Aboitiz, Michael A. Arbib, Annabel J. Cohen, Ian Cross, Peter Ford Dominey, W. Tecumseh Fitch, Leonardo Fogassi, Jonathan Fritz, Thomas Fritz, Peter Hagoort, John Halle, Henkjan Honing, Atsushi Iriki, Petr Janata, Erich Jarvis, Stefan Koelsch, Gina Kuperberg, D. Robert Ladd, Fred Lerdahl, Stephen C. Levinson, Jerome Lewis, Katja Liebal, Jônatas Manzolli, Bjorn Merker, Lawrence M. Parsons, Aniruddh D. Patel, Isabelle Peretz, David Poeppel, Josef P. Rauschecker, Nikki Rickard, Klaus Scherer, Gottfried Schlaug, Uwe Seifert, Mark Steedman, Dietrich Stout, Francesca Stregapede, Sharon Thompson-Schill, Laurel Trainor, Sandra E. Trehub, Paul Verschure

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Editorial Review

Review

This is an important collection of scholarly articles, large in scope but perfectly focused. The effort seems devoted to countering its subtitle. After reading it, you will discover that the relationships of language, music, and the brain are far less mysterious than they were when you began. This is no small accomplishment, and Michael Arbib and his colleagues deserve to be congratulated.

(Antonio Damasio, University Professor, David Dornsife Professor of Neuroscience, and Director, Brain and Creativity Institute, University of Southern California; author of *Descartes' Error*, *The Feeling of What Happens*, *Looking for Spinoza*, and *Self Comes to Mind*)

About the Author

Michael Arbib has played a leading role at the interface of neuroscience and computer science ever since his first book, *Brains, Machines, and Mathematics. From Neuron to Cognition* provides a worthy pedagogical sequel to his widely acclaimed *Handbook of Brain Theory and Neural Networks*. After thirty years at University of Southern California he is now pursuing interests in "how the brain got language" and "neuroscience for architecture" in San Diego.

Users Review

From reader reviews:

Adam Nelson:

People live in this new moment of lifestyle always make an effort to and must have the extra time or they will get lot of stress from both everyday life and work. So , when we ask do people have free time, we will say absolutely sure. People is human not a robot. Then we consult again, what kind of activity do you have when the spare time coming to you of course your answer will certainly unlimited right. Then do you try this one, reading books. It can be your alternative throughout spending your spare time, the book you have read is definitely Language, Music, and the Brain: A Mysterious Relationship (Strüngmann Forum Reports).

Mae Marks:

Language, Music, and the Brain: A Mysterious Relationship (Strüngmann Forum Reports) can be one of your beginner books that are good idea. Many of us recommend that straight away because this e-book has good vocabulary which could increase your knowledge in vocabulary, easy to understand, bit entertaining but still delivering the information. The copy writer giving his/her effort to put every word into joy arrangement in writing Language, Music, and the Brain: A Mysterious Relationship (Strüngmann Forum Reports) although doesn't forget the main stage, giving the reader the hottest and also based confirm resource facts that maybe you can be certainly one of it. This great information can easily drawn you into brand new stage of crucial thinking.

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