## The Imitative Mind

Development, Evolution, and Brain Bases

edited by

Andrew N. Meltzoff and Wolfgang Prinz



...

Cor	atributors	<i>page</i> vii
Ack	nowledgments	ix
	An introduction to the imitative mind and brain WOLFGANG PRINZ AND ANDREW N. MELTZOFF	1
	rt I Developmental and evolutionary approaches mitation	
1	Elements of a developmental theory of imitation ANDREW N. MELTZOFF	19
2	Imitation and imitation recognition: Functional use in preverbal infants and nonverbal children with autism JACQUELINE NADEL	42
3	Self-awareness, other-awareness, and secondary representation JENS B. ASENDORPF	63
4	Notes on individual differences and the assumed elusiveness of neonatal imitation MIKAEL HEIMANN	74
5	Ego function of early imitation PHILIPPE ROCHAT	85
6	The imitator's representation of the imitated: Ape and child ANDREW WHITEN	98
7	Seeing actions as hierarchically organized structures: Great ape manual skills RICHARD W. BYRNE	122

•

## Part II Cognitive approaches to imitation, body scheme, and perception-action coding

8	Experimental approaches to imitation WOLFGANG PRINZ	143
9	Imitation: Common mechanisms in the observation and execution of finger and mouth movements HAROLD BEKKERING	163
10	Goal-directed imitation MERIDETH GATTIS, HAROLD BEKKERING, AND ANDREAS WOHLSCHLÄGER	183
11	Visuomotor couplings in object-oriented and imitative actions STEFAN VOGT	206
12	On bodies and events BARBARA TVERSKY, JULIE BAUER MORRISON, AND JEFF ZACKS	221
13	What is the body schema? CATHERINE L. REED	233
	rt III Neuroscience underpinnings of imitation I apraxia	
14	From mirror neurons to imitation: Facts and speculations GIACOMO RIZZOLATTI, LUCIANO FADIGA, LEONARDO FOGASSI, AND VITTORIO GALLESE	247
15		
	Cell populations in the banks of the superior temporal sulcus of the macaque and imitation TJEERD JELLEMA, CHRIS I. BAKER, MICHAEL W. ORAM, AND DAVID I. PERRETT	267
16	of the macaque and imitation TJEERD JELLEMA, CHRIS I. BAKER, MICHAEL W. ORAM,	267 291
16 17	of the macaque and imitation TJEERD JELLEMA, CHRIS I. BAKER, MICHAEL W. ORAM, AND DAVID I. PERRETT Is there such a thing as functional equivalence between imagined, observed, and executed action? JEAN DECETY	
	of the macaque and imitation TJEERD JELLEMA, CHRIS I. BAKER, MICHAEL W. ORAM, AND DAVID I. PERRETT Is there such a thing as functional equivalence between imagined, observed, and executed action? JEAN DECETY The role of imitation in body ownership and mental growth	291

Index