

# CONTENTS

## PART I. INTERDISCIPLINARY PERSPECTIVES

1. The Philosophy of Emotions and Its Impact on Affective Science Andrea Scarantino	3
2. The History of Emotions Ute Frevert	49
3. The Sociology of Emotion Kathryn J. Lively and Emi A. Weed	66
4. Emotions in Music, Literature, and Film P. N. Johnson-Laird and Keith Oatley	82
5. Affect in Economic Decision Making Karolina M. Lempert and Elizabeth A. Phelps	98
6. Computational Models of Emotion as Psychological Tools Stacy Marsella and Jonathan Gratch	113

## PART II. BIOLOGICAL PERSPECTIVES

7. From Pleasure to Happiness: “Liking” and “Wanting” in Mind and Brain Kent C. Berridge and Morten L. Kringelbach	133
8. Neural Fingerprinting: Meta-Analysis, Variation, and the Search for Brain-Based Essences in the Science of Emotion Elizabeth Clark-Polner, Tor D. Wager, Ajay B. Satpute, and Lisa Feldman Barrett	146
9. Emotion and the Autonomic Nervous System Wendy Berry Mendes	166

<b>10.</b> Genetic Contributions to Affect and Emotion Yuliya S. Nikolova, Elena Goetz Davis, and Ahmad R. Hariri	182
<b>11.</b> Olfaction: Explicit and Implicit Emotional Processing Jeannette M. Haviland-Jones, Patricia Wilson, and Robin Freyberg	199
<b>12.</b> Interoception and Emotion: A Neuroanatomical Perspective A. D. (Bud) Craig	215
<b>13.</b> The Affect of Taste and Olfaction: The Key to Survival Linda Bartoshuk and Derek J. Snyder	235

### PART III. DEVELOPMENTAL PERSPECTIVES

<b>14.</b> The Development of Facial Expressions: Current Perspectives on Infant Emotions Linda A. Camras, Serah S. Fatani, Brittney R. Fraumeni, and Michael M. Shuster	255
<b>15.</b> The Emergence of Human Emotions Michael Lewis	272
<b>16.</b> Understanding Emotion Paul L. Harris, Marc de Rosnay, and Francisco Pons	293
<b>17.</b> The Development of Children's Concepts of Emotion Sherri C. Widen	307
<b>18.</b> Emotion and Aging Mara Mather and Allison Ponzi	319
<b>19.</b> The Interplay of Motivation and Emotion: View from Adulthood and Old Age Molly Sands, Nhi Ngo, and Derek M. Isaacowitz	336
<b>20.</b> Emotional Development in Adolescence Leah H. Somerville	350

### PART IV. SOCIAL AND PERSONALITY PERSPECTIVES

<b>21.</b> Gender and Emotion: Theory, Findings, and Context Leslie R. Brody, Judith A. Hall, and Lynissa R. Stokes	369
<b>22.</b> The Cultural Psychology of Emotions Batja Mesquita, Jozefien De Leersnyder, and Michael Boiger	393
<b>23.</b> Intergroup Emotions Eliot R. Smith and Diane M. Mackie	412

24. Social Functions of Emotion and Emotion Regulation Agneta H. Fischer and Antony S. R. Manstead	424
25. Social Pain and Social Pleasure: Two Overlooked but Fundamental Mammalian Emotions? Naomi I. Eisenberger	440
26. Emotion Regulation: A Valuation Perspective Gaurav Suri and James J. Gross	453
27. Expression of Emotion Dacher Keltner, Jessica Tracy, Disa A. Sauter, Daniel C. Cordaro, and Galen McNeil	467
28. Emotional Body Perception in the Wild Beatrice de Gelder	483
29. Form and Function in Facial Expressive Behavior Daniel H. Lee and Adam K. Anderson	495

## PART V. COGNITIVE PERSPECTIVES

30. Emotional Intelligence Marc A. Brackett, Susan E. Rivers, Michelle C. Bertoli, and Peter Salovey	513
31. New Light on the Affect–Cognition Connection Gerald L. Clore and Alexander J. Schiller	532
32. A Fundamental Role for Conceptual Processing in Emotion Christine D. Wilson-Mendenhall and Lawrence W. Barsalou	547
33. Memory and Emotion Elizabeth A. Kensinger and Daniel L. Schacter	564
34. Language and Emotion: Putting Words into Feelings and Feelings into Words Kristen A. Lindquist, Maria Gendron, and Ajay B. Satpute	579
35. Emotion and Attention Greg Hajcak, Felicia Jackson, Jamie Ferri, and Anna Weinberg	595

## PART VI. HEALTH-RELATED PERSPECTIVES

36. Emotions and Health Laura D. Kubzansky and Ashley Winning	613
37. Neuroendocrine and Neuroimmunological Mechanisms of Emotion Aric A. Prather	634

<b>38.</b> Emotion Disturbances as Transdiagnostic Processes in Psychopathology Ann M. Kring and Jasmine Mote	653
<b>39.</b> The Clinical Application of Emotion in Psychotherapy Leslie S. Greenberg	670
<b>40.</b> Eat, Drink, and Be Sedentary: A Review of Health Behaviors' Effects on Emotions and Affective States, and Implications for Interventions Elissa Epel, Aric A. Prather, Eli Puterman, and A. Janet Tomiyama	685
<b>41.</b> Stress and Emotion: Embodied, in Context, and across the Lifespan Barbara Ganzel, Jason R. D. Rarick, and Pamela A. Morris	707
<b>42.</b> Emotion-Related Symptoms of Neurodegenerative Dementias Bradford C. Dickerson	736

**PART VII. SPECIFIC EMOTIONS**

<b>43.</b> Fear and Anxiety Kevin S. LaBar	751
<b>44.</b> Anger Eddie Harmon-Jones and Cindy Harmon-Jones	774
<b>45.</b> Self-Conscious Emotions: Embarrassment, Pride, Shame, Guilt, and Hubris Michael Lewis	792
<b>46.</b> Disgust Paul Rozin, Jonathan Haidt, and Clark McCauley	815
<b>47.</b> Gratitude and Compassion David DeSteno, Paul Condon, and Leah Dickens	835
<b>48.</b> Love: Positivity Resonance as a Fresh, Evidence-Based Perspective on an Age-Old Topic Barbara L. Fredrickson	847
<b>49.</b> Sadness and Depression Christian A. Webb and Diego A. Pizzagalli	859
<b>50.</b> Empathy Jamil Zaki and Kevin Ochsner	871
Author Index	885
Subject Index	917