

# CONTENTS

*List of contributors*  
*Introduction*

xvii  
xxiii

ERIC A. WALLE, DANIEL DUKES, AND ANDREA C. SAMSON

## SECTION ONE: MACRO AND MICRO UNDERPINNINGS

1. Evolved to Learn: Emotions as Calibration Adaptations 3  
COLIN HOLBROOK AND JENNIFER HAHN-HOLBROOK
2. Changing Standards in Emotional Development: The History Factor 18  
PETER N. STEARNS
3. Why Are Humans So Emotional? An Analysis From  
Evolutionary Sociology 29  
JONATHAN H. TURNER
4. Current Challenges and Advances in Computational and Artificial  
Agent Modeling for the Simulation of Affective Social Learning and  
Regulation of Motivated Behaviors 45  
DAVID RUDRAUF, ANDREA C. SAMSON, AND MARTIN DEBBANÉ
5. Emotional Development: A Field in Need of a (Cognitive) Revolution 61  
ERIC A. WALLE, LUKAS D. LOPEZ, AND ANABEL CASTILLO
6. Statistical Learning in an Emotional World 78  
RISTA C. PLATE, KRISTINA WOODARD, AND SETH D. POLLAK
7. Emotion Regulation Across the Life Span 93  
MICHAELA RIEDIGER AND JENNIFER A. BELLINGTIER
8. The Development of Cognitive Reappraisal for Regulating  
Emotions: Infancy to Adolescence 110  
KALEE DE FRANCE AND TOM HOLLENSTEIN

## SECTION TWO: COMMUNICATION AND UNDERSTANDING

- |   |     |
|---|-----|
| 9. The Emotional Expressions and Emotion Perception in Nonhuman Primates<br>YENA KIM AND MARISKA KRET   | 129 |
| 10. Historicizing Emotional Development<br>KAREN VALLGÅRDA AND STEPHANIE OLSEN  | 146 |
| 11. Developmental Changes in Emotion Understanding During Middle Childhood<br>HANNAH J. KRAMER AND KRISTIN HANSEN LAGATTUTA   | 157 |
| 12. Differentiation and Language Acquisition in Children's Understanding of Emotion<br>SHERRI C. WIDEN AND NICOLE L. NELSON   | 174 |
| 13. The Social, Cognitive, and Affective Power of Humor in Infancy<br>GINA MIREAULT   | 188 |
| 14. Neuroscientific Approaches to the Study of Self and Social Emotion Regulation During Development<br>ADRIANA S. MÉNDEZ LEAL AND JENNIFER A. SILVERS  | 201 |
| 15. Emotion Development in Autism<br>CAITLIN M. CONNER, ANDREA T. WIECKOWSKI, TAYLOR N. DAY,<br>AND CARLA A. MAZEFSKY   | 219 |
| 16. Hearing Loss and Young Children's Development of Emotional Competence: The Role of Parenting<br>LIZET KETELAAR, JOHN LAMBIE, BOYA LI, ADVA EICHENGREEN,<br>ANAT ZAIDMAN-ZAIT, AND CAROLIEN RIEFFE | 234 |

## SECTION THREE: INTERACTIVE CONTEXTS

- |   |     |
|---|-----|
| 17. Emotional Engagement and Social Understanding in Early Development<br>VASUDEVI REDDY AND DANIEL VANELLO                 | 249 |
| 18. A Relational Conception of Emotional Development: Emotions as Felt Forms of Organismic Engagement<br>MICHAEL F. MASCOLO | 261 |

19. Comparative Perspectives of Empathy Development: Insights From Chimpanzees and Bonobos 277  
ZANNA CLAY, CHRISTINE E. WEBB, TERESA ROMERO,  
AND FRANS B. M. DE WAAL
20. Developmental Methods for Emotion Dynamics 291  
JESSICA P. LOUGHEED
21. Early Interaction: New Approaches 305  
DANIEL S. MESSINGER, JACQUELYN MOFFITT, SAMANTHA G. MITSVEN, YEOJIN AMY AHN, STEPHANIE CUSTODE, EVGENIY CHERVONENKO, SAAD SADIQ, MEI-LING SHYU, AND LYNN K. PERRY
22. Emotion Regulation in Couples Across the Life Span 323  
JACQUELYN E. STEPHENS, EMILY F. HITTNER, AND CLAUDIA M. HAASE
23. Emotions in Play: The Role of Physical Play in Children's Social Well-Being 339  
GUIDA VEIGA, BRENDA M. S. DA SILVA, JENNY GIBSON,  
AND CAROLIEN RIEFFE
24. Play and Games: Means to Support Emotional Development 354  
ALEXANDRA ZAHARIA, LINDA DELL'ANGELA, DAVID SANDER,  
AND ANDREA C. SAMSON

## SECTION FOUR: SOCIALIZATION AND LEARNING

25. Emotion Development in Context 373  
REBECCA J. ERICKSON AND MARCI D. COTTINGHAM
26. Affective Social Learning: A Lens for Developing a Fuller Picture of Socialization Processes 387  
FABRICE CLÉMENT AND DANIEL DUKES
27. Emotional Development Across Cultures 398  
TANYA BROESCH AND JEREMY CARPENDALE
28. Emotions as Fixatives for Children's Understandings About the World: The Role of Emotion in Socializing Race and Gender Attitudes 407  
AMY G. HALBERSTADT, COURTNEY A. HAGAN,  
AND FANTASY T. LOZADA

29. Parenting, Emotional Self-Regulation, and Psychosocial Adjustment Across Early Childhood and Adolescence in Chinese and Chinese-Immigrant Sociocultural Contexts 421  
JEFFREY LIEW AND QING ZHOU
30. Emotional Frontiers 437  
STEPHANIE OLSEN AND KAREN VALLGÅRDA
31. Development of Achievement Emotions 446  
REINHARD PEKRUN
32. Developing Emotional Intelligence in Social and Emotional Learning 463  
BRUCE MAXWELL AND JOANNA PEPLAK

## SECTION FIVE: MORALITY AND PROSOCIAL BEHAVIOR

33. The Development of Moral Judgments, Emotions, and Sentiments 477  
ELLIOT TURIEL
34. Inequality and the Development of Moral Emotions 491  
STEVEN HITLIN AND SARAH K. HARKNESS
35. Emotional Skillfulness and Virtue Acquisition 503  
MARIO DE CARO, MARIA SILVIA VACCAREZZA, AND ARIELE NICCOLI
36. The Prosocial Functions of Guilt in Early Childhood 513  
AMRISHA VAISH
37. Development, Culture, and Neurobiology of Moral Emotions in Ethnic/Racial Minority Children: A Case Study of U.S. Latino/a Children 526  
GUSTAVO CARLO, PAUL D. HASTINGS, J. LOGAN DICUS, AND ELISA UGARTE
38. I Feel, You Feel, We Feel: The Role of Emotion in Early Prosocial Behavior 542  
ALEKSANDRA V. PETKOVA AND CELIA A. BROWNELL
39. Emotional Development and the Growth of Moral Self-Awareness 554  
ROSS A. THOMPSON

40. Children's Emotion Understanding and Cooperative Problem-Solving in Educational Settings 566  
 KARINE M. P. VIANA, JULIANA LUCENA, IMAC MARIA ZAMBRANA, PAUL L. HARRIS, AND FRANCISCO PONS

- Index* 581

Yoon G. Amy Aka, Department of Psychology, University of Miami, USA

Andreas A. Daddario, Department of Developmental Psychology, Friedrich Schiller University Jena, Germany

David Reardon, Department of Psychology, Simon Fraser University, Canada

Edith Brunzell, Department of Psychology, University of Pittsburgh, USA

Graciela Carta, School of Education, University of California, Irvine, USA

Jeremy C. Cusack, Department of Psychology, Simon Fraser University, Canada

Anabel Castilla, Department of Psychological Sciences, University of California, Merced, USA

Evangelina Charvátová, Swiss Federal Institute of Technology, Lausanne, Switzerland

Zanna Clay, Department of Psychology, Durham University, UK

Elisabeth Cottinet, Cognitive Science Centre, Université de Neuchâtel, Switzerland

Robert M. Emmons, University of Pittsburgh School of Medicine, Department of Psychiatry, Pittsburgh, Pennsylvania, USA

Marit H. Eerola, Department of Sociology, University of Amsterdam, The Netherlands

Stephan F. Eickholt, Department of Psychology, University of Missouri, USA

Brenda M. Furlow, Institute of Psychology, Leiden University, The Netherlands

Debra K. Funder, University of Pittsburgh School of Medicine, Department of Psychiatry, Pittsburgh, Pennsylvania, USA

Stefano De Caro, Department of Philosophy, Università Roma Tre, Italy; Department of Philosophy, Tufts University, USA

Karen Lee Friesen, Psychology Department, Concordia University, Canada; Queen's University, Canada

Thomas H. M. de Foa, Department of Psychology, Emory University, USA