

CONTENTS

Contributors **xv**

Acknowledgments **xxi**

SECTION 1: THEORY AND OVERVIEWS

- 1. Approaches to Modeling Intraindividual and Interindividual Facets of Change for Developmental Research** **1**
Martin J. Sliwinski
Cross-Sectional and Longitudinal Methods in Life-Span Development **2**
Intraindividual Variability and Change **3**
Intraindividual Versus Interindividual Change **4**
Different Temporal Scales of Intraindividual Variability and Change **8**
Linking Intraindividual Variability and Change Across Different Time Scales **13**
Analytic and Design Issues **17**
Future Directions in the Methodologies to Study Life-Span Development **20**
- 2. Theories and Processes in Life-Span Socialization** **27**
Marc H. Bornstein, Jeylan T. Mortimer, Karen Lutfey, and Robert H. Bradley
Introduction **27**
Moderation of Socialization: Social Class, Culture, and Time **28**
Socialization: Definitions and Social Science Approaches **33**
Individual Variation and Transaction in Socialization **33**
Socialization × Life Stage **36**
Socialization × Contexts and Contents **39**
Processes of Socialization **41**
Continuity and Stability in Socialization **46**
Future Issues in the Study of Life-Span Theories and Processes in Socialization **47**
- 3. Modeling Success in Life-Span Psychology: The Principles of Selection, Optimization, and Compensation** **57**
Frieder R. Lang, Margund K. Rohr, and Bettina Williger
Introduction **57**
The Nature of Development and the Meaning of Success in a Life-Span Perspective **59**
The Model of SOC **63**

Theoretical Specification and Empirical Illustration of SOC Principles	70
Future Directions in Life-Span Success and the SOC Model	79
4. Child-Parent Attachment Relationships: A Life-Span Phenomenon	87
<i>German Posada and Ting Lu</i>	
Some Key Aspects of the Bowlby-Ainsworth Perspective	88
Infancy	91
Early Childhood	95
Middle Childhood	99
Adolescence	101
Adulthood	105
Future Directions in the Study of Attachment Across the Life Span	108
5. Developmental Tasks Across the Life Span	117
<i>Christopher M. McCormick, Sally I-Chun Kuo, and Ann S. Masten</i>	
Roots of Developmental Task Concepts	117
Tenets of Contemporary Developmental Task Theory	123
Future Issues in the Study of Developmental Tasks Across the Life Span	131
Conclusion	134
6. Continuity and Discontinuity in Development Across the Life Span:	
<i>A Developmental Systems Perspective</i>	
<i>Richard M. Lerner, Kathleen Leonard, Kristen Fay, and Sonia S. Issac</i>	
Defining Developmental Change	142
Developmental Systems Theory and the Study of Continuity and Discontinuity Across the Life Span	146
Empirical Illustrations of the Use of Developmental Systems Models for Studying Continuity and Discontinuity Across the Life Span	150
Conclusions: Future Issues in the Study of Continuity-Discontinuity Across the Life Span	156
7. Convoys of Social Relations: Past, Present, and Future	161
<i>Toni C. Antonucci, Kira S. Birditt, and Kristine Ajrouch</i>	
Introduction	161
Theoretical Overview of the Convoy Model	161
Future Directions in the Study of the Convoy Model Across the Life Span	176
8. Agency and Control Striving Across the Life Span	183
<i>Jutta Heckhausen</i>	
Introduction	183
Agency and Control Striving Across the Life Span	183
Early Control Striving in Parent-Child Interactions: The Cradle of Action	185
Self-Reinforcement Through Perceived Own Competence: An Added Incentive and Risk	188
Cognitive Development Contributes to Advancements in Motivated Action	189
Development of Individual Differences in Control Striving and Agency	192
Agency in Regulating One's Own Development	195
Future Issues in the Study of Agency and Control Striving Across the Life Span	204

SECTION 2: PHYSICAL AND COGNITIVE

9. Early Precursors of Later Health 213
Jacqui Smith and Frank J. Infurna
 Central Concepts and Models 214
 Intellectual and Cognitive Ability 216
 Personality 220
 Socioeconomic Status 223
 Social Environment and Social Relationships 226
 Non-Normative Factors 230
 Future Directions in the Study of Precursors of Later Health 231
10. Problem Solving Across the Life Span 239
Cynthia A. Berg and JoNell Strough
 A Framework for Understanding Problem Solving
 Across the Life Span 239
 Review of Problem Solving Across the Life Span 242
 Future Issues in the Study of Problem Solving Across the Life Span 258
 Conclusions 260
11. The Sociocultural Context of Cognition Across the Life Span 269
Mary Gauvain and Chandra A. Reynolds
 The Sociocultural Context of Cognitive Development 270
 Research on the Sociocultural Context of Cognition
 Across the Life Span 275
 Conclusion 289
12. Memory Development Across the Life Span 299
Christopher Hertzog and Yee Lee Shing
 Theoretical Concepts of Memory 299
 Life-Span Theories of Episodic Memory Development 301
 Working Memory 302
 Episodic Memory 303
 Metamemory and Cognitive Control 310
 Semantic Memory/Knowledge 314
 Autobiographical Memory 315
 Prospective Memory 316
 Influences on Life-Span Memory Development 317
 Future Issues in the Study of Life-Span Memory Development 319
13. Life-Span Cognition and Information Technology 331
Neil Charness, Mark C. Fox, and Ainsley L. Mitchum
 Definitions of Technology and Cognition 331
 Technology's Role in Cognitive Development 332
 Demographics of Technology Use 334
 Life-Span Perspective on Knowledge and Skill Acquisition 337
 Technology Tools for Cognition 338
 Future Issues in the Study of Life-Span Cognition and
 Information Technology 352

14. Developmental Cognitive Neuroscience: Infancy to Young Adulthood **363**
Bradley L. Schlaggar and Kelly Anne Barnes
 Introduction **363**
 Neuroimaging Investigations of Structural Brain Development **368**
 Future Directions **376**
 Conclusions **380**
15. Cognitive Neuroscience of the Aging Mind and Brain **387**
Patricia A. Reuter-Lorenz, Jonas Persson, and Kristin E. Flegal
 Introduction **387**
 Neuroanatomy Overview **388**
 Neuroscience of the Aging Mind **390**
 Normal and Pathological Aging **396**
 Theoretical Issues in the Cognitive Neuroscience of Aging **398**
 Future Directions in Research on Cognitive
 Neuroscience and the Aging Mind and Brain **399**
16. The Magical Letters *P, F, C,* and Sometimes *U*: The Rise and Fall of
 Executive Attention with the Development of Prefrontal Cortex **407**
Jason M. Watson, Ann E. Lambert, A. Eve Miller, and David L. Strayer
 Curvilinear Development of Frontal Cortex Across
 the Life Span: The Magic Letter *U* **410**
 Contributions from the PFC Pioneers **411**
 The Rise and Fall of Executive Attention Across the
 Life Span Mirrors Frontal Cortex Development **413**
 Individual Differences in PFC-Mediated Executive Attention **417**
 Caveats to a Frontal Account of Life-Span
 Changes in Executive Attention **420**
 Future Issues in the Study of Life-Span Executive Attention **421**
 Summary and Conclusions **429**
17. Impact of Explanatory Style and Age Stereotypes on
 Health Across the Life Span **437**
Becca R. Levy, Pil Chung, and Maureen Canavan
 Explanatory Style Across the Life Span **438**
 Age Stereotypes and Health Across the Life Span **443**
 Future Issues in the Study of Age Stereotypes and
 Explanatory Style Across the Life Span **451**

SECTION 3: SOCIOEMOTIONAL

18. Close Relationships Across the Life Span **457**
Mary J. Levitt and Ayse Cici-Gokaltun
 Conceptual Issues in the Definition of Close Relationships **457**
 The Development of Close Relationships Across the Life Span **459**
 Variation in Close Relationships Across the Life Span **469**
 Cultural Variation in Close Relationships **477**
 Future Issues in the Study of Close Relationships Across the Life Span **479**

- 19. Informal Ties Across the Life Span: Peers, Consequential Strangers, and People We Encounter in Daily Life 487**
Karen L. Fingerman, B. Bradford Brown, and Rosemary Blieszner
 Definitions of Nonintimate Ties in Childhood and Adulthood 488
 The Functions of Peripheral Ties 489
 Peer Ties in Childhood and Adolescence 491
 Peripheral Ties in Adulthood and Old Age 498
 Directions for Future Research on Weak Ties Across the Life Span 504
- 20. Personality Trait Development Across the Life Span 513**
Jennifer Lodi-Smith, Nicholas Turiano, and Dan Mroczek
 What are Personality Traits? 513
 Stability and Change 514
 Life-Span Developmental Patterns in Temperament and Traits 518
 Mechanisms of Personality Trait Development 521
 Outcomes of Personality Development 524
 Future Issues in the Study of Life-Span Personality Development 525
- 21. Emotional Experience Across the Life Span 531**
Susan T. Charles and Gloria Luong
 Emotional Experience Across the Life Span 531
 Emotional Experience: Definitions and Biological Bases 532
 Infancy and Childhood 534
 Later Childhood and Adolescence 539
 Adulthood 542
 Future Directions in Research on Emotional Experience Across the Life Span 550
- 22. Coping and Self-Regulation Across the Life Span 561**
Carolyn M. Aldwin, Ellen A. Skinner, Melanie J. Zimmer-Gembeck, and Amanda L. Taylor
 Overlap and Differences Between Regulation and Coping 561
 Primary Control, Secondary Control, and Accommodation 563
 Social Embeddedness of Coping and Self-Regulation 568
 Energy Management Across the Life Span 575
 Future Directions in the Study of Life-Span Coping 579
- 23. Life Narratives 589**
Dan P. McAdams
 What is a Life Narrative? 590
 The Development of Storytelling and the Emergence Narrative Identity 592
 Narrating Suffering, Personal Growth, and Self-Transformation 596
 Culture and Narrative 600
 Continuity and Change in Adulthood 602
 Future Directions in the Study of Life Narratives Across the Life Span 604
- 24. The Development of Self-Representations Across the Life Span 611**
Manfred Diehl, Lise M. Youngblade, Elizabeth L. Hay, and Helena Chui
 Organizing Structure 613
 Development of Self-Representations in Childhood 614

Development of Self-Representations During Adolescence	619
Development of Self-Representations in Adulthood	622
Future Directions in the Study of Self-Representations Across the Life Span	638
25. Technological Influences on Social Ties Across the Life Span	647
<i>Shelia R. Cotten, Brandi M. McCullough, and Rebecca G. Adams</i>	
Introduction	647
Key Ideas in Studying ICTs and Relationships	647
Range of ICTs	650
Computers and the Internet	651
ICT Applications	652
Mobile or Cell Phone Usage	656
Use of Technology in Relationships Across the Life Span	657
The Future of Research on the Impact of Technology on Close Relationships Across the Life Span	666
 SECTION 4: CONTEXTS OF DEVELOPMENT	
26. Demographic Transitions and Life-Span Development	673
<i>Duane F. Alwin</i>	
Introduction	673
Population Processes	674
Consequences for Life-Span Development	678
Future Directions in the Study of Demography Across the Life Span	693
27. Life-Span Developmental Behavior Genetics	701
<i>Brendan M. Baird and Cindy S. Bergeman</i>	
Introduction to Behavioral Genetics	702
Genetically Informative Research Designs	703
Developmental Behavior Genetics	709
Future Issues in Life-Span Developmental Behavior Genetics	719
28. Social Inequalities	727
<i>Ishtar O. Govia, James S. Jackson, and Sherrill L. Sellers</i>	
Introduction	727
What are Social Inequalities?	729
Structural Inequalities	729
Health Status Inequalities and Health Disparities	730
A Framework of Health and Well-Being Over the Life Course Among Disparate Groups	731
Theories, Models, and Frameworks for Social Inequalities	735
A Culture-Based Example: The Case of Black/White Physical Versus Psychiatric Health Disparities	736
Future Directions in the Study of Social Inequalities Across the Life Span	738
Conclusions	740

29. Family Influences on Development Across the Life Span	745
<i>Rena Repetti, Lisa Flook, and Jacqueline Sperling</i>	
Social Ecology, Reciprocal Influences, and Genes	746
Prenatal Period	747
Infancy	749
Toddlers and Preschoolers	750
Middle Childhood	752
Adolescence	756
Emerging Adulthood	760
Adulthood	761
Older Adulthood	764
Future Issues in the Study of Family Influences Across the Life Span	766
30. Life-Span Development and International Migration	777
<i>Steven J. Gold and Ramona Fruja Amthor</i>	
Social Class and Migration	778
First, Second, and 1.5 Generations and Migration	780
Cultural Differences	781
Family and Gender	782
Context of Reception: Political, Institutional, and Personal Factors	785
Immigration at Different Points in the Life Span:	
Immigrant Children and Youth	787
Future Directions in the Study of Migration and Life-Span Development	797
31. How Do Neighborhoods Matter Across the Life Span?	805
<i>Jondou J. Chen, Kimberly S. Howard, and Jeanne Brooks-Gunn</i>	
Why Study Neighborhoods?	806
How Have Neighborhoods Been Studied?	809
What Are the Challenges in Studying Neighborhoods?	813
What Neighborhood Associations Exist?	814
Future Directions in the Study of Neighborhoods and Life-Span Development	827
32. Contexts and Contents of Socialization: A Life-Span Perspective	837
<i>Marc H. Bornstein, Robert H. Bradley, Karen Lutfey, Jeylan T. Mortimer, and Amy Pennar</i>	
Introduction	837
Contexts and Contents of Socialization in Infancy and Early Childhood: Parents, Family, Daycare	838
Contexts and Contents of Socialization in Middle Childhood and Adolescence: Peers, School, Work	845
Contexts and Contents of Socialization in Adulthood: Family and Work	854
Contexts and Contents of Socialization in Old Age:	
Social Network, Retirement, Health Care	861
Future Issues in the Study of Life-Span Contexts of Socialization	868
Index	883