

CONTENTS

<i>Preface</i>	<i>xi</i>		
<i>Contributors</i>	<i>xiii</i>		
SECTION I			
CLINICAL PRESENTATION			
1. History of Bipolar Manic-Depressive Disorder <i>Ross J. Baldessarini, Jesús Pérez, Paola Salvatore, Katharina Trede, and Carlo Maggini</i>	3	9. Cellular Resilience and Neurodegeneration and Their Impact on the Treatment of Bipolar Disorder <i>Gabriel Rodrigo Fries and Flávio Kapczinski</i>	105
2. Update on Epidemiology, Risk Factors, and Correlates of Bipolar Spectrum Disorder <i>Kathleen R. Merikangas and Diana Paksarian</i>	21	10. Immune Mechanisms and Inflammation and Their Treatment Impact <i>Alice Russell, Carmine M. Pariante, and Valeria Mondelli</i>	115
3. Presentation, Clinical Course, and Diagnostic Assessment of Bipolar Disorder <i>Erica Snook, Keitha Moseley-Dendy, and Robert M. A. Hirschfeld</i>	35	11. Circadian Rhythms, Sleep, and Their Treatment Impact <i>Joshua Z. Tal and Michelle Primeau</i>	127
4. Differential Diagnosis and Bipolar Spectrum Disorders <i>Jean-Michel Azorin and Raoul Belzeaux</i>	49	12. Hypothalamic-Pituitary-Adrenal Axis and Hypothalamic-Pituitary-Thyroid Axis and Their Treatment Impact <i>Michael Bauer and Timothy Dinan</i>	137
5. Diagnosing Bipolar Disorder in Children and Adolescents <i>Andrew J. Freeman, Kiki Chang, and Eric A. Youngstrom</i>	61	13. Translating Biomarkers and Biomolecular Treatments to Clinical Practice: Assessment of Hypothesis-Driven Clinical Trial Data <i>Marcus V. Zanetti, Alexandre Loch, and Rodrigo Machado-Vieira</i>	149
6. Effects of Public Awareness and Stigmatization on Accurate and Timely Diagnosis of Bipolar Disorder <i>Giampaolo Perna, Tatiana Torti, and Alessandra Alciati</i>	73	Part II: Genetic	
		14. The Apple and the Tree: What Family and Offspring Studies of Bipolar Disorder Show About Mechanisms of Risk and Prevention <i>Guillermo Perez Algorta, Anna Van Meter, and Eric A. Youngstrom</i>	171
		15. The Emerging Genetics of Bipolar Disorder <i>Roy H. Perlis</i>	181
SECTION II			
INSIGHTS ON PATHOPHYSIOLOGY AND FUTURE TREATMENTS			
Part I: Molecular Biology			
7. Oxidative Damage and Its Treatment Impact <i>Gislaine Tezza Rezin and Ana Cristina Andreazza</i>	83	Part III: Cognition	
8. The Role of Signal Transduction Systems in the Pathophysiology and Treatment of Bipolar Disorder <i>Richard S. Jope, Eleonore Beurel, Marta Pardo, Erika Abrial, and Charles B. Nemeroff</i>	93	16. Cognitive Impairments and Everyday Disability in Bipolar Illness <i>Colin A. Depp, Alexandra L. Harmell, and Philip D. Harvey</i>	191
		Part IV: Neuroimaging	
		17. Structural and Functional Magnetic Resonance Imaging Findings and Their Treatment Impact <i>Marguerite Reid Schneider, David E. Fleck, James C. Eliassen, and Stephen M. Strakowski</i>	205

18. Magnetic Resonance Spectroscopy Findings and Their Treatment Impact <i>Marsal Sanches, Frank K. Hu, and Jair C. Soares</i>	225	29. Neurological, Cognitive, and Neuroprotective Effects of Treatments Used in Bipolar Disorder <i>Janusz K. Rybakowski</i>	403
19. The Use of Molecular Imaging to Investigate Bipolar Disorder: Findings and Treatment Implications <i>Allison Greene, Christopher Bailey, and Alexander Neumeister</i>	239	30. Treatment-Induced Mood Instability: Treatment-Emergent Affective Switches and Cycle Acceleration <i>Renrong Wu, Keming Gao, Joseph R. Calabrese, and Heinz Grunze</i>	417
Part V: Postmortem Studies		Part IV: Psychotherapy	
20. Postmortem Findings in Bipolar Disorder <i>Dost Öngür</i>	253	31. Cognitive Behavioral Therapy and Psychoeducation <i>Dina Popovic, Jan Scott, and Francesc Colom</i>	435
SECTION III CURRENT TREATMENTS		32. Family-Focused Therapy, Interpersonal and Social Rhythm Therapy, and Dialectical Behavioral Therapy <i>Noreen A. Reilly-Harrington, Stephanie Roberts, and Louisa G. Sylvia</i>	445
Part I: Pharmacological Treatments		Part V: Comorbidity	
21. Treatment of Mania <i>Paul E. Keck, Susan L. McElroy, and Ayşegül Yildiz</i>	263	33. Nature and Management of Co-occurring Psychiatric Illnesses in Bipolar Disorder Patients: Focus on Anxiety Syndromes <i>Gustavo H. Vázquez, Leonardo Tondo, and Ross J. Baldessarini</i>	457
22. Pharmacological Treatment Bipolar Depression <i>Keming Gao, Renrong Wu, Heinz Grunze, and Joseph R. Calabrese</i>	281	34. Management of Cyclothymia and Comorbid Personality Disorders <i>Giulio Perugi and Giulia Vannucchi</i>	471
23. Maintenance Treatments in Bipolar Disorder <i>Paul A. Kudlow, Danielle S. Cha, Roger S. McIntyre, and Trisha Suppes</i>	299	35. Management of Comorbid Substance or Alcohol Abuse <i>Ihsan Salloum and Pedro Ruiz</i>	487
24. Improving Early Diagnosis: An Unmet Need for Early Intervention in Bipolar Disorders <i>Gabriele Sani and Giacomo Salvatore</i>	319	36. Medical Comorbidity in Bipolar Disorder <i>Jelena Vrublevska and Konstantinos N. Fountoulakis</i>	497
25. Alternative and Complementary Treatments for Bipolar Disorder <i>Janet Wozniak</i>	345	Part VI: Suicidality	
Part II: Somatic Nonpharmacological Treatments		37. Clinical Management of Suicidal Risk <i>Leonardo Tondo and Ross J. Baldessarini</i>	509
26. Electroconvulsive Therapy and Bipolar Disorder <i>Lauren S. Liebman, Gabriella M. Able, Mimi C. Briggs, and Charles H. Kellner</i>	367	Part VII: Pregnancy and Lactation	
27. Neuromodulative Treatments for Bipolar Disorder: Repetitive Transcranial Magnetic Stimulation, Vagus Nerve Stimulation, and Deep Brain Stimulation <i>Christina Switala, Sabrina Maria Gippert, Sarah Kayser, Bettina Heike Bewernick, and Thomas Eduard Schlaepfer</i>	377	38. Management of Bipolar Disorder During Pregnancy and Lactation <i>Julie Hyman and D. Jeffrey Newport</i>	531
Part III: Adverse Treatment Effects		Part VIII: Children and Adolescents	
28. Management of Metabolic and Endocrine Effects of Medications Used to Treat Bipolar Disorders <i>Richard Balon</i>	393	39. Management of Bipolar Disorder in Children and Adolescents <i>Luis R. Patino, Nina R. McCune, and Melissa P. DelBello</i>	547
		Part IX: Elderly	
		40. Bipolar Disorder in the Elderly <i>Elizabeth A. Crocco, Samir Sabbag, and Rosie E. Curiel</i>	569

**SECTION IV
FUTURE RESEARCH**

41. Placebo Response in Clinical Trials of Bipolar Disorder: Potential Causes, Potential Solutions <i>Bret R. Rutherford, Steven P. Roose, and Jane M. Tandler</i>	585	43. Challenges in Designing Reliable and Feasible Trials for Treatment of Bipolar Disorder <i>Robert M. Post and Ayşegül Yildiz</i>	623
42. Strategies for Improving Randomized Trial Evidence for Treatment of Bipolar Disorder <i>Ayşegül Yildiz, Juan Undurraga, Eduard Vieta, Dina Popovic, Sarah Wooderson, and Allan H. Young</i>	599	44. Sequential Multiple Assignment Randomized Trials <i>Fan Wu, Eric B. Laber, and Emanuel Severus</i>	639
		45. Traditional and Novel Research Synthesis Approaches to Support Evidence-Based Treatment Decisions <i>Levente Kriston and Ayşegül Yildiz</i>	649
		<i>Index</i>	673