

List of Figures

List of Tables

Acknowledgments

List of Contributors

Introduction, *Christina E. Wierenga;Joanna E. Steinglass*

Part I Overviews

1:Overview of the Classification and Epidemiology of Eating Disorders, *B. Timothy Walsh;Hans W. Hoek*

2:Neurobiology of Ingestive Behavior, *William M. Howe;Alexandra G. DiFeliceantonio*

3:Neuroendocrine Function and the Gut-Brain Axis in Eating Disorders, *Diana L. Williams;Pamela K. Keel*

4:Genetics of Eating Disorders, *Jet Termorshuizen;Stefana Aicobaie;Mohamed Abdulkadir;Zeynep Yilmaz*

5:Computational Psychiatry and Eating Disorders, *Pradyumna Sepúlveda;Ines Aitsahalia;Stella Dong;Kiyohito Iigaya*

Part II Basic Neuroscience Domains in Eating Disorders ("Bottom Up")

6:Appetite Regulation and Motivation to Eat, *Susan Murray;Millie Kirchberg;Walter H. Kaye*

7:Reward Processing and Reinforcement Learning in Eating Disorders, *Adanya Johnson;Kira Venables;Ann F. Haynos*

8:Interoception in Eating Disorders, *Emily M. Choquette;Sahib S. Khalsa*

9:Social Cognition and Processing in Eating Disorders, *Carrie McAdams;Amy Harrison*

10:Inhibitory Control in Binge-Type Eating Disorders, *Valentina Cardì;Natalia Lawrence*

11:Cognitive Flexibility in Eating Disorders, *Andrea Phillipou;Stephanie Miles*

12:Self-Regulation in Eating Disorders, *Blair R. K. Shevlin;Maia A. Chester;Jessica L. Qiu;Siyi Lou;Laura A. Berner*

13:Visuospatial and Neuropsychological Functions in Eating Disorders, *C. Alix Timko;Annabel Susanin*

Part III Manifest Symptoms of Eating Disorders ("Top Down")

14:Restrictive Eating Through the Lens of Choice, *Karin Foerde*

15:Binge Eating, *Kelsey E. Hagan*

16:Physical Activity and Exercise, *Katherine Schaumberg;Lauren Pictor;Max Frank;Sasha Gorrell*

17:Body Image, *Jamie D. Feusner;Valentina Cazzato*

Part IV Emerging Neurobiologically Informed Treatments

18:Habit-Centered Treatment for Anorexia Nervosa, *Joanna E. Steinglass;Deborah R. Glasofer*

19:Temperament-Informed Treatment for Anorexia Nervosa, *Christina E. Wierenga;Stephanie Knatz Peck;Laura Hill*

20:Interceptive Exposure: Developing Capacities to Discriminate and Adaptively Respond to Visceral Signals, *Nancy Zucker*

21:Neurosurgery and Neuromodulation for Eating Disorders, *Philippe De Vloo;Elske Vrieze;Nir Lipsman;D. Blake Woodside;Andres Lozano*

Part V Emerging Topics

22:Advances in the Activity-Based Anorexia Paradigm: An Animal Model for Aspects of Anorexia Nervosa, *Stephanie C. Dulawa*

23:Neurobiological Model of Avoidant/Restrictive Food Intake Disorder, *Jennifer J. Thomas;Laura M. Holsen;Elizabeth A. Lawson*

24:The Microbiome-Gut-Brain Axis in Anorexia Nervosa, *Jochen Seitz;Stefanie Trinh*

25:Target Engagement and Pharmacotherapy in Eating Disorders, *Guido K. W. Frank*

26:The Potential of Psychedelics in the Treatment of Eating Disorders, *Natalie Gukasyan;Samantha Hilbert;Angela S. Guarda*

Afterword

Index