

Contents

<i>List of Figures</i>	page vii
<i>List of Tables</i>	viii
<i>List of Contributors</i>	ix
<i>Foreword by Wilson M. Compton and Carlos Blanco</i>	xii
<i>Preface</i>	xv
<i>Acknowledgements</i>	xviii

Part I Concepts of Addiction

1 Appetitive Needs and Addiction Steve Sussman and Sheila Pakdaman	3
2 Behavioral Economics and Addictive Disorders David P. Jarmolowicz and Tadd D. Schneider	12
3 Sensitization of Incentive Salience and the Transition to Addiction Shelley M. Warlow, Hannah M. Baumgartner, Charlotte M. Freeland*, Erin E. Naffziger*, Jeffrey J. Olney*, Kent C. Berridge, and Mike J. F. Robinson, *authorship shared equally	23
4 Philosophical Issues in the Addictions Shane N. Glackin	38

Part II Clinical and Research Methods in the Addictions

5 Human Neurobiological Approaches to Hedonically Motivated Behaviors Kyle S. Burger, Grace E. Shearrer, and Jennifer R. Sadler	53
6 Human Laboratory Paradigms in Addictions Research Vanessa Morris, Fiza Arshad, Iris M. Balodis, Derek D. Reed, James MacKillop, and Michael Amlung	62
7 Behavioral Economic Considerations of Novel Addictions and Nonaddictive Behavior: Research and Analytic Methods Derek D. Reed, Gideon P. Naudé, Brett W. Gelino, and Michael Amlung	73
8 Substance and Behavioral Addictions Assessment Instruments Timothy J. Grigsby	87
9 Qualitative Approaches to the Study of Substance and Behavioral Addictions Kelsey A. Simpson and Ricky N. Bluthenthal	106

Part III Levels of Analysis and Etiology

10 Neurobiology of Substance Addictions Nina C. Christie and Antoine Bechara	121
11 Neurobiological Foundations of Behavioral Addictions Anthony G. Vaccaro and Marc N. Potenza	136
12 Multiple Memory Systems, Addiction, and Health Habits: New Routes for Translational Science Alan W. Stacy, James Russell Pike, and Anna Yu Lee	152
13 The Role of Culture in Addiction Beth R. Hoffman and Jennifer B. Unger	171
14 The Physical and Social Environments as Determinants of Health: Implications for Substance and Behavioral Addictions Robert W. Strack, Muhsin Michael Orsini, D. Rose Ewald, and Lawrence M. Scheier	182

Part IV Prevention and Treatment

15 Adolescent Drug Misuse Prevention: Challenges in School-Based Programming Lawrence M. Scheier	201
16 Treatment of Alcohol, Tobacco, and Other Drug (ATOD) Misuse Steve Sussman and Maria Bolshakova*, *authorship shared equally	215
17 Prevention and Treatment of "Food Addiction" Caroline Davis and Ashley E. Mason	230
18 The Prevention and Treatment of Gambling Disorders: Some Art, Some Science Jeffrey L. Derevensky	241
19 Prevention and Treatment of Sex Addiction Rory C. Reid, Joshua B. Grubbs, and Shane W. Kraus	254
20 Passionate Love Addiction: An Evolutionary Survival Mechanism That Can Go Terribly Wrong Maria Bolshakova, Helen Fisher, Henri-Jean Aubin, and Steve Sussman	262
21 Prevention and Treatment of Compulsive Buying Disorder Artur Galimov and Donald W. Black	271

22	Prevention and Treatment of Work Addiction Cristina Quinones and Mark D. Griffiths	280	27	Feedback Models for Gambling Control: The Use and Efficacy of Online Responsible Gambling Tools Mark D. Griffiths	333
23	Gaming Disorder and Its Treatment Mark D. Griffiths, Daria J. Kuss, and Halley M. Pontes	288	28	Food versus Eating Addictions Erica M. Schulte, Emma. T. Schiestl, and Ashley N. Gearhardt	340
Part V Ongoing and Future Research Directions			29	Measurement, Prevention, and Treatment of Exercise Addiction Heather A. Hausenblas, Derek T. Y. Mann, and Danielle Symons Downs	352
24	Precision Behavioral Management (PBM): A Novel Genetically Guided Therapy to Combat Reward Deficiency Syndrome (RDS) Relevant to the Opiate Crisis Kenneth Blum, Alphonse Kenison Roy III, Arwen Podesta, Edward J. Modestino, Bruce Steinberg, Marjorie C. Gondré-Lewis, David Baron, Panayotis K. Thanos, Lisa Lott, Sampada Badgaiyan, Jessica Valdez Ponce, Brent Boyett, David Siwicki, Mark Moran, Drew Edwards, Thomas McLaughlin, Eric R. Braverman, Thomas A. Simpatico, Mary Hauser, Bernard William Downs, and Rajendra D. Badgaiyan	297	30	Tanning as an Addiction: The State of the Research and Implications for Intervention Kimberly A. Miller and Darren Mays	362
25	Novel Psychoactive Substances: A New Challenge for Prevention and Treatment Máté Kapitány-Fövény, Ornella Corazza, Shanna Marrinan, and Zsolt Demetrovics	307	31	Considering the Overlap and Nonoverlap of Compulsivity, Impulsivity, and Addiction Austin W. Blum and Jon E. Grant	373
26	Impaired Physicians A. Benjamin Srivastava and Mark S. Gold	326	32	Anhedonia in Addictive Behaviors Walter G. Dyer, Adam M. Leventhal, Nicholas I. Goldenson, and Mariel S. Bello	386
			33	Mindfulness-Based Interventions Applied to Addiction Treatments Afton Kechter and David S. Black	409
			34	American Legal Issues in Addiction Treatment and Research Daniel H. Willick	418
			<i>Index</i>		426