

# Contents

<b>Neuronal-Glial Mechanisms of Exercise-Evoked Stress</b>	
<b>Robustness . . . . .</b>	1
Monika Fleshner, Benjamin N. Greenwood and Raz Yirmiya	
<b>The Interface of Stress and the HPA Axis in Behavioural Phenotypes of Mental Illness . . . . .</b>	13
David Baumeister, Staffor L. Lightman and Carmin M. Pariante	
<b>Adult Hippocampal Neurogenesis in Depression: Behavioral Implications and Regulation by the Stress System . . . . .</b>	25
Christoph Anacker	
<b>Impact of Stress on Prefrontal Glutamatergic, Monoaminergic and Cannabinoid Systems . . . . .</b>	45
M. Danet Lapiz-Bluhm	
<b>Interaction of Stress, Corticotropin-Releasing Factor, Arginine Vasopressin and Behaviour . . . . .</b>	67
Eléonore Beurel and Charle B. Nemeroff	
<b>Long-lasting Consequences of Early Life Stress on Brain Structure, Emotion and Cognition . . . . .</b>	81
Harm J. Krugers and Marian Joëls	
<b>Mechanisms Linking In Utero Stress to Altered Offspring Behaviour . . . . .</b>	93
Theresia H. Mina and Rebecc M. Reynolds	

<b>Does Stress Elicit Depression? Evidence From Clinical and Preclinical Studies . . . . .</b>	<b>123</b>
Helle M. Sickmann, Yan Li, Arne Mørk, Connie Sanchez and Maria Gulinello	
<b>Neurobehavioral Mechanisms of Traumatic Stress in Post-traumatic Stress Disorder . . . . .</b>	<b>161</b>
M. Danet Lapiz-Bluhm and Ala L. Peterson	
<b>Investigation of Cortisol Levels in Patients with Anxiety Disorders: A Structured Review . . . . .</b>	<b>191</b>
Hesham Yousry Elnazer and Davi S. Baldwin	
<b>Stress, Schizophrenia and Bipolar Disorder . . . . .</b>	<b>217</b>
Meliss J. Green, Leah Girshkin, Nina Teranova and Yann Quidé	
<b>Stress, Substance Abuse, and Addiction . . . . .</b>	<b>237</b>
Tiffany M. Duffing, Stefanie G. Greiner, Charle W. Mathias and Donal M. Dougherty	
<b>Role of Stress, Depression, and Aging in Cognitive Decline and Alzheimer's Disease . . . . .</b>	<b>265</b>
Mak Adam Daulatzai	
<b>Stress and Psychological Resiliency . . . . .</b>	<b>297</b>
Alan L. Peterson, Tabatha H. Blount and Donald D. McGahey	
<b>Index . . . . .</b>	<b>313</b>