# Table of Contents

**Chapter 1**
Immunomodulation Associated with Depression and Stress ........................ 1
*Levy and Chancellor-Freeland*

**Chapter 2**
The Effect of Alcohol on the Cellular Immune Function in Animals ................................. 17
*Grossman, Roselle, and Nienaber*

**Chapter 3**
Immunomodulation by Alcohol in Mice .................................................. 27
*Ardestani and Watson*

**Chapter 4**
Alcohol and Infections of the Lung ...................................................................... 43
*Roselle, Grossman, Nienaber, and Mendenhall*

**Chapter 5**
T Cell Modulations in Human Alcoholics .......................................................... 57
*Cook*

**Chapter 6**
Alcoholic Liver Disease, Malnutrition, and the Immune Response ...................... 87
*Chedid*

**Chapter 7**
Modulation of Cytokine Production in Human Lymphoid and Myeloid Cells by Alcohol In Vitro ........................................................ 105
*Szabo, Mandrekar, Verma, and Catalano*

**Chapter 8**
Alcohol, Endothelial Cells, and Immunity .......................................................... 121
*Borgs, Witte, and Witte*

**Chapter 9**
Effect of Prenatal Alcohol Exposure on Hypothalamic-Pituitary-Adrenal Function and Expression of Glucocorticoid-Regulated Genes ......................... 131
*Redei, Halasz, and Aird*
Chapter 10
Alcohol Metabolism and Its Toxicity:
Role of Kupffer Cells and Free Radicals .............................................. 145
Thurman, Bradford, Knecht, Connor, Mason, Adachi, Goto, Sullivan, and Forman

Chapter 11
Do Alcohol and Other Substances of Abuse Alter the Natural Evolution and the Susceptibility to Human Immunodeficiency Virus-1 Infections? .............................................. 165
Bagasra, Pomerantz, and Kajdacsa-Balla

Chapter 12
Alcohol and Immunomodulation During Murine Acquired Immunodeficiency Syndrome ......................................................... 185
Wang, Huang, and Watson

Chapter 13
Dysregulation in Cytokine Production by Alcohol Consumption: A Cofactor in the Development of Murine Acquired Immunodeficiency Syndrome ......................................................... 201
Wang and Watson

Chapter 14
Alcohol Abuse as a Possible Cofactor in the Progression of Acquired Immunodeficiency Syndrome: Do Th-1 and Th-2 Helper T Cell Subsets Play a Role? .............................................. 213
Cohen

Chapter 15
The Role of Alcohol in Endocrine-Immune Interactions .......................... 229
Wang and Watson

Chapter 16
Effects of Cocaine on Certain Macrophage Functions ............................ 245
Lefkowitz, Vaz, and Lefkowitz

Index ........................................................................................................ 259