

# Contents

## Part I Epidemiology And Risk Factors

|   |           |
|---|-----------|
| <b>Incidence and Outcome of Schizophrenia Across the Globe . . . . .</b>  | <b>3</b>  |
| Paulo R. Menezes  |           |
| <b>Gene–Environment Interactions for Searchers: Collaboration<br/>Between Epidemiology and Molecular Genetics . . . . .</b> | <b>19</b> |
| Jim van Os, Bart P.F. Rutten, and Richie Poulton  |           |
| <b>The Natural History of the Course and Outcome of Schizophrenia . . .</b>   | <b>51</b> |
| Judith Allardyce and Jim van Os   |           |
| <b>Impact of Contextual Environmental Mechanisms<br/>on the Incidence of Schizophrenia and Other Psychoses . . . . .</b>    | <b>67</b> |
| James B. Kirkbride  |           |

## Part II Pathophysiology

|  |            |
|--|------------|
| <b>Disinhibition of Prefrontal Cortex Neurons in Schizophrenia . . . . .</b>   | <b>99</b>  |
| B. Moghaddam and A.L. Pehrson  |            |
| <b>Brain Anatomical Abnormalities in Schizophrenia:<br/>Neurodevelopmental Origins and Patterns of Progression over Time . .</b> | <b>113</b> |
| Geraldo F. Busatto, Marcus V. Zanetti, Maristela S. Schaufelberger,<br>and José A.S. Crippa                                      |            |
| <b>The Neuropathology of Schizophrenia: Central Role<br/>for the Hippocampus? . . . . .</b>                                      | <b>149</b> |
| Peter Falkai, Eleni Parlapani, Oliver Gruber, and Andrea Schmitt   |            |
| <b>Molecular Neuroimaging, Pathophysiological Mechanisms,<br/>and Drug Discovery . . . . .</b>                                   | <b>167</b> |
| Philip McGuire   |            |

**Part III Genetics**

**Animal Models of Schizophrenia: Focus on Hippocampal Disruption of Dopamine System Regulation . . . . .** 175  
Anthony A. Grace

**Genetic and Proteomic Studies in Schizophrenia . . . . .** 193  
Emmanuel Dias-Neto, Daniel Martins-de-Souza, Elida P.B. Ojopi, and Wagner F. Gattaz

**Neurogenetic Risk Mechanisms of Schizophrenia: An Imaging Genetics Approach . . . . .** 219  
Andreas Meyer-Lindenberg

**Progress in Genetic Studies of Schizophrenia . . . . .** 233  
Renan P. Souza, Marco A. Romano Silva, and James L. Kennedy

**Part IV Psychopathology, Cognition, Outcome**

**Prediction of Psychosis Through the Prodromal Syndrome . . . . .** 251  
Tyrone D. Cannon

**Schizophrenia as a Cognitive Disorder: Recent Approaches to Identifying its Core Cognitive Components to Aid Treatment Development . . . . .** 267  
Keith H. Nuechterlein, Michael F. Green, and Robert S. Kern

**Cognitive and Social Processes in Psychosis: Recent Developments . . .** 283  
Daniel Freeman

**The Impact of Early Intervention in Schizophrenia . . . . .** 299  
Alison R. Yung, Eoin J. Killackey, Barnaby Nelson, and Patrick D. McGorry

**The Cross-Sectional and Longitudinal Architecture of Schizophrenia: Significance for Diagnosis and Intervention? . . . . .** 317  
Wolfgang Gaebel, Wolfgang Wölwer, Mathias Riesbeck, and Jürgen Zielasek

**Part V Schizophrenia and Other Psychotic Disorders: Boundaries and Similarities**

**Continua or Classes? Vexed Questions on the Latent Structure of Schizophrenia . . . . .** 333  
Richard J. Linscott, Mark F. Lenzenweger, and Jim van Os

**Integrating the Epidemiology and Pathogenesis of Schizophrenia from the Street to the Striatum: Integrating the Epidemiology and Pathogenesis of Schizophrenia . . . . .** 357  
Robin M. Murray, Marta Di Forti, and Oliver Howes

**Cannabis: A Clue or a Distraction in the Search for ‘Causes’ of Psychosis?** . . . . . 367  
 John McGrath and Louisa Degenhardt

**The ‘Totality’ of Psychosis: Epidemiology and Developmental Pathobiology** . . . . . 377  
 Olabisi Owwoeye, Tara Kingston, Robin J. Hennessy, Patrizia A. Baldwin, David Browne, Paul J. Scully, Anthony Kinsella, Vincent Russell, Eadbhard O’Callaghan, and John L. Waddington

**Part VI Treatment**

**Comparative Efficacy and Safety of First- and Second-Generation Antipsychotics in the Treatment of Schizophrenia: Facts and Fiction** . . . . . 389  
 Rajiv Tandon, and Babu Rankapalli

**Long-Acting Antipsychotic Medication and the Outcome of Schizophrenia** . . . . . 403  
 Anthony S. David, Ayana Gibbs, and Maxine X. Patel

**Modern Community Care Strategies for Schizophrenia Care: Impacts on Outcome** . . . . . 417  
 Tom Burns

**Does Stigma Impair Treatment Response and Rehabilitation in Schizophrenia? The “Contribution” of Mental Health Professionals** . . . . . 429  
 Wulf Rössler

**Treatment of Schizophrenia: Discussion** . . . . . 441  
 Shôn Lewis

**Index** . . . . . 447



<http://www.springer.com/978-1-4419-0912-1>

Advances in Schizophrenia Research 2009

Gattaz, W.F.; Busatto Filho, G. (Eds.)

2010, XV, 465 p., Hardcover

ISBN: 978-1-4419-0912-1