



Michael Berk, Marion Leboyer, Iris E. Sommer (Eds.)

Immuno-Psychiatry

Facts and Prospects

- Examines the physiology of the immune system in the brain, and the pathophysiology of the immune system in psychiatric disorders
- Offers a comprehensive description of the state of the art of the role of immune dysfunction in various disorders and cutting edge innovative therapies based on immune mechanisms
- Appeals to psychiatrists, students and researchers across neurosciences, psychiatry and immunology, and in industry

This book presents a thorough and critical review of current knowledge on the role of immunology in major psychiatric disorders and its potential applications. The opening chapters offer general information on the immune influence of the brain to provide readers with a better understanding of the end of immune privilege. The book then examines possible underlying mechanisms leading to psychiatric disorders, from early infections to pro-inflammatory markers, stress, and immune genetic background, linking etiology and psychiatry. The third section describes each disorder (ie autism, schizophrenia, bipolar disorder, depression...) with an overview of underlying immune dysfunctions. Lastly, the authors discuss the innovative immune-therapies that may result from the discovery of immune system biomarkers and their associated mechanisms. A better understanding of the role of the immune system in psychiatric disorders makes it possible to identify stratification biomarkers, to explain underlying mechanisms, and to develop innovative, efficient, targeted treatment strategies and management. As such, the book is of value to clinicians, mental health professionals, mental health researchers, immunologists, industry practitioners, and various stakeholders in the mental health field.

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