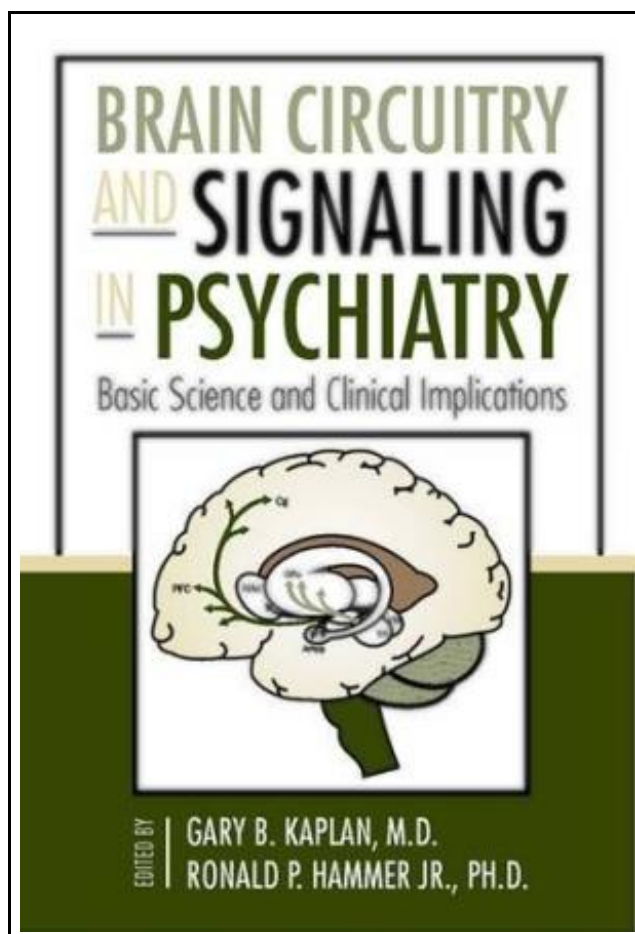


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American Psychiatric Publishing. Hardback. Book Condition: new. BRAND NEW, Brain Circuitry and Signaling in Psychiatry: Basic Science and Clinical Implications, Gary B. Kaplan, Ronald P. Hammer, The 1990s, appropriately termed "the decade of the brain," witnessed unprecedented advances in our knowledge of psychiatric neuroscience. Yet with every advance, we realized afresh that we were still in the beginning stages of a much longer journey. This text chronicles the next step of that journey. Structured around a proven teaching methodology that uniquely integrates the clinical aspects of psychiatric disorders with their neurobiology, this volume begins with two introductory chapters on functional neural circuitry and neural signaling pathways. The remaining six chapters present current knowledge on the neuroanatomic and neurochemical mechanisms underlying schizophrenia, addiction, anxiety, depression, bipolar disorder, and dementia/Alzheimer's disease. For clarity and consistency, each chapter features the same four divisions -- clinical presentation, neural circuitry, signaling pathways, and psychopharmacology -- as they relate to * Schizophrenia, which reviews studies of the neural basis of schizophrenia and describes how the cortex, the thalamus, the basal ganglia, and the medial temporal lobe work together during normal brain function and then how each is perturbed in psychosis. * Addiction, which focuses on the consequences of psychoactive substance use, including compulsive practices (e.g., eating, sex, Internet browsing) that might also involve the same brain circuits and signaling pathways. Of exceptional value are two unique illustrations that capture -- for the first time -- much of what we know about the anatomy and neurochemistry underlying the behavioral symptoms of addiction. * Anxiety, which presents current hypotheses regarding neurocircuitry and signaling pathways for the three best-studied (from a neurobiologic perspective) anxiety disorders: panic disorder, posttraumatic stress disorder, and obsessive-compulsive disorder. * Depression, which offers evidence for the involvement of highly interconnected cortical and limbic structures such...



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