Genomics, Circuits, and Pathways in Clinical Neuropsychiatry

Description: Genomics, Circuits, and Pathways in Clinical Neuropsychiatry comprehensively examines the existing knowledge surrounding the genetics and genomics of psychiatric disorders, thoroughly consolidating discoveries on specific genes associated with disorders, the genetic architecture of those genes, and how phenotypic heterogeneity and polymorphism explains differences in symptoms.

The book critically examines the promise and limitations of these discoveries toward treatment, and to the interdisciplinary nature of understanding brain and behavior. Coverage includes new discoveries regarding autism, epilepsy, intellectual disability, language impairment, disorders of attention, schizophrenia, and bipolar disorder.

Users will find a key focus on emerging concepts, challenges, findings, and methods in genetics, genomics, brain circuitry, and related neurobiology of psychiatric disorders, with crossover information that will appeal to researchers in psychiatry, neuroscience, and genetics.

- Provides interdisciplinary appeal in psychiatry, neuroscience, and genetics
- Identifies key concepts, methods, and findings
- Includes coverage of multiple disorders from autism to schizophrenia
- Reviews specific genes associated with disorders
- Discusses the genetic architecture of those genes
- Explains how phenotypic heterogeneity results in different symptomology
- Clarifies the promise of these findings for future treatment

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