



## Behavioral neurogenetics

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Monografía

**Annotation** This book covers a wide array of topics relevant to behavioral genetics from both a preclinical and clinical standpoint. Indeed in juxtaposing both areas of research the reader will appreciate the true translational nature of the field. Topics covered range from technical advances in genetic analysis in humans and animals to specific descriptions of advances in schizophrenia, attention disorders, depression and anxiety disorders, autism, aggression, neurodegeneration and neurodevelopmental disorders. The importance of gene-environment interactions is emphasised and the role of neuroimaging in unravelling the functional consequences of genetic variability described. This volume will be valued by both the basic scientist and clinician alike who may use it as a detailed reference book. It will also be of use to the novice to the field, to whom it will serve as an in-depth introduction to this exciting area of research

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**Contenido:** Using Zebrafish to Unravel the Genetics of Complex Brain Disorders Robert Gerlai. -- Forward Genetic Approaches to Understanding Complex Behaviors Lisa M. Tarantino and Amy F. Eisener-Dorman. -- Mouse Models of the 5-HTTLPR x Stress Risk Factor for Depression Valeria Carola and Cornelius Gross. -- Behavioral and Pharmacogenetics of Aggressive Behavior Aki Takahashi, Isabel M. Quadros, Rosa M.M. de Almeida and Klaus A. Miczek. -- Selectively Bred Rodents as Models of Depression and Anxiety Gregers Wegener, Aleksander A. Mathe and Inga D. Neumann. -- Stress-Induced Deficits in Cognition and Emotionality: A Role for Glutamate Carolyn Graybeal, Carly Kiselycznyk and Andrew Holmes. -- Susceptibility Genes for

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