



## Behavioral neurogenetics

/

Cryan, J. F. (John F.)  
Reif, Andreas

Springer,  
©2012

Electronic books Electronic books.

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

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbgVlcmF0aW9uOmVzLmJhemF0ei5yZW4vMjJwNzQwOTA>

**Título:** Behavioral neurogenetics John F. Cryan, Andreas Reif. editors

**Editorial:** Berlin New York Springer ©2012

**Descripción física:** 1 online resource (xi, 636 pages)

**Tipo Audiovisual:** Medicine Human genetics Neurosciences Psychiatry Psychopharmacology Animal behavior Biomedicine Behavioural Sciences Molecular Medicine

**Mención de serie:** Current topics in behavioral neurosciences 1866-3370 12

**Bibliografía:** Includes bibliographical references and index

**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

Schizophrenia: Mutant Models, Endophenotypes and Psychobiology Colm M.P. O'Tuathaigh, Lieve Desbonnet, Paula M. Moran and John L. Waddington. -- Genetic Models of Sensorimotor Gating: Relevance to Neuropsychiatric Disorders Susan B. Powell, Martin Weber and Mark A. Geyer. -- Applications of Second Generation Sequencing Technologies in Complex Disorders Mònica Bayés, Simon Heath and Ivo Glynne Gut. -- Rare Genomic Deletions and Duplications and their Role in Neurodevelopmental Disorders Joseph T. Glessner, John J.M. Connolly and Hakon Hakonarson. -- Toward a Mechanistic Understanding of How Variability in Neurobiology Shapes Individual Differences in Behavior Ryan Bogdan, Justin M. Carré and Ahmad R. Hariri. -- Behavioural Genetics of Childhood Disorders Christine M. Freitag, Philip Asherson and Johannes Hebebrand. -- Schizophrenia Genes: On the Matter of Their Convergence Dan Rujescu. -- Gene x Environment Interaction Models in Psychiatric Genetics Katja Karg and Srijan Sen. -- Behavioral Genetics of Affective and Anxiety Disorders Katharina Domschke and Andreas Reif. -- Behavioural Genetics of the Serotonin Transporter K. Haddley, V.J. Bubb, G. Breen, U.M. Parades-Esquivel and J.P. Quinn. -- Genetic Factors Modulating the Response to Stimulant Drugs in Humans Amy B. Hart, Harriet de Wit and Abraham A. Palmer. -- The Cognitive Genetics of Neuropsychiatric Disorders A. Corvin, G. Donohoe, A. Hargreaves, L. Gallagher and M. Gill. -- Behavioral Genetics of Neurodegenerative Disorders Daniela Galimberti and Elio Scarpini

**Lengua:** English

**Copyright/Depósito Legal:** 798056253 798207955 801366142 811563253 843012726 857261749 990670585 1005745569 1026454824

**ISBN:** 9783642278594 electronic bk.) 3642278590 electronic bk.) 3642278582 hbk. ; alk. paper) 9783642278587 hbk. ; alk. paper) 3642447864 9783642447860 9783642278587

**Materia:** Behavior genetics Neurogenetics Nervous System Diseases- genetics Mental Disorders- genetics Mental Disorders- physiopathology Nervous System Diseases- physiopathology SCIENCE- Life Sciences- Zoology- General. Behavior genetics. Neurogenetics.

**Autores:** Cryan, J. F. ( John F.) Reif, Andreas

**Enlace a formato físico adicional:** Printed edition 9783642278587

**Punto acceso adicional serie-Título:** Current topics in behavioral neurosciences 12

---

## Baratz Innovación Documental

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es