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Titolo	Animal Models of Behavior Genetics // edited by Jonathan C. Gewirtz, Yong-Kyu Kim
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Descrizione fisica	1 online resource (XVI, 389 p. 27 illus., 22 illus. in color.)
Collana	Advances in Behavior Genetics
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Soggetti	Human genetics Psychiatry Developmental psychology Neurosciences Human Genetics Developmental Psychology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Overview of animal models in behavior genetics -- Neurogenetic analysis of mental deficiency in mice -- Learning and memory in dogs -- Cognition in rodents -- Kin recognition behavior in beetles -- Circadian rhythms in Drosophila -- Offensive behavior in mice - QTLs in emotionality in rodents -- Sexuality in primates -- Animal models for cognitive symptoms of schizophrenia -- Zebra fish model for endophenotype concepts -- Drosophila model for schizophrenia -- Critical reviews of animal models in behavior genetics. .
Sommario/riassunto	This stimulating analysis reviews the broad potential of animal models to foster a deeper understanding of human pathology, strengthen connections between genetic and behavioral studies, and develop more effective treatments for mental disorders. Widely-studied and lesser-used species are examined in models that capture features along the continuum of normative and pathological behavior. The models highlight genetic causes of core features, or endophenotypes, of developmental, internalizing, and externalizing disorders, as well as

dementia. Expert contributors address questions ranging from how suitable species are chosen for study to the costs and benefits of using inbred versus outbred strains, and the effects of housing environment on subject animals. Larger issues addressed include how to evaluate the applicability of animal behavioral models to the human condition and how these models can harness emerging molecular technologies to further our understanding of the genetic basis of mental illness. Included in the coverage: Mating and fighting in *Drosophila*. Attachment and social bonding. Impulsivity in rodents and humans. Animal models of cognitive decline. Animal models of social cognition. Future directions for animal models in behavioral genetics. A detailed map of where this evolving field is headed, *Animal Models of Behavior Genetics* shows geneticists, molecular biologists, and cognitive neuroscientists paths beyond established concepts toward a more knowledgeable and collaborative future.
