



What's Wrong With My Mouse?: Behavioral Phenotyping of Transgenic and Knockout Mice  
 Jacqueline N. Crawley  
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### Description

Designer Mice: Scope and Sourcebooks.

### **Table of Contents**

Of Unicorns and Chimeras: How to Generate a Transgenic or Knockout Mouse

### Read Excerpt (PDF)

General Health: Give Your Mouse a Physical; Neurological Reflexes.

### Reviews

Motor Functions: Open Field, Holeboard, Rotarod, Balance, Grip, Circadian Activity, Circling, Stereotypy, Ataxic Gait, Seizures.

Sensory Abilities: Olfaction, Vision, Hearing, Taste, Touch, Nociception.

Learning and Memory: Morris Swim Task, Spatial Mazes, Cued and Contextual Conditioning, Conditioned Taste Aversion, Conditioned Eye Blink, Olfactory Discrimination, Social Recognition, Passive Avoidance, Schedule Controlled Operant Tasks, Motor Learning.

Feeding and Drinking: Daily Consumption, Restricted Access, Choice Tests, Microstructural Analysis.

Reproductive Behaviors: Sexual and Parental Behaviors.

Social Behaviors: Social Interaction, Nesting, Grooming, Juvenile Play, Aggression.

Emotional Behaviors: Animal Models of Psychiatric Disorders: Fear, Anxiety, Depression, Schizophrenia.

Reward: Self-Administration of Additive Drugs, Conditioned Place Preference.

The Next Generation: Conditional and Inducible Mutations, Quantitative Trait Loci Analysis, Chemical Mutagenesis, Gene Therapy, Ethical Issues.

Bibliography.

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