Journal Articles


Abstracts and Presentations

2014 RIKEN Brain Research Institute Summer Program, Tokyo, Japan, “Behavioral phenotyping strategies for mutant mouse models of neuropsychiatric disorders,” July 22.

2014 Seminars in Translational Neuroscience, Center for Translational Medicine, University of Missouri School of Medicine, Jefferson City, MO, “Behavioral phenotyping strategies for mutant mouse models of neurodevelopmental disorders, October 6th.


2015  Distinguished Lecture, CHI Health, Creighton University School of Medicine, Omaha, Nebraska, “Mouse models of autism to test hypotheses about causes,” January 28th.

2015  Neuroscience Seminar, University of Wyoming, Laramie, WY, “Mouse models of autism to test hypotheses about causes and discover treatments,” March 28th.


Research Funding

Simons Foundation SFARI #204340JC. (Dolmetch R, Crawley JN: Co-PIs) 3/1/2012 – 2/28/2015. 16p11.2 Deletion Mice: Autism-Relevant Phenotypes and Treatment Discovery. The goal of this project was the initial comprehensive characterization of behavioral phenotypes of 16p11.2 deletion mice. No overlap with the present application, which focuses on genetic backgrounds in high and low vocalizing subsets of 16p11.2 heterozygotes.

NINDS 1U54NS079202-01.CounterAct Center: Novel anticonvulsant and neuroprotective therapies for TETS and OP intoxication. (Lein P: PI, Crawley JN: Co-Investigator) 9/1/2012 – 8/31/17. The goal of this project is the evaluation of long-lasting effects of seizure-inducing environmental toxins on cognitive, anxiety-related and depression-related behaviors in mice and rats.

Simons Foundation SFARI #201223539. Characterization of brain and behavior in 7q11.23 duplication syndrome. (Osborne L, Crawley JN: Co-PIs) 01/01/2013 – 12/31/2015. The goal of this project is the investigation of behavioral phenotypes of 7q11.23 duplication mice.
Autism Speaks Targeted Proposal (Crawley JN, Sahin M, Jones: Co-PIs) 9/1/2013-8/31/2016. Preclinical Autism Consortium for Therapeutics (PACT). The goal of this project is to phenotype autism-relevant behaviors and physiology in four genetic mouse models of autism, to generate a platform for therapeutic discovery.

NIH R01 Convergent Synaptic Mechanisms in Neurodevelopmental Disorders. (Crawley JN, Gall C, Lynch G: Co-PIs) 9/1/2013-8/31/2018. The goal of this project is to discover common downstream mechanisms in four mouse models of neurodevelopmental disorders with cognitive impairment.

NICHD U54. Intellectual and Developmental Disabilities Research Center (Abbeduto L: PI, Crawley JN: Director, Rodent Behavior Core E) 9/24/2013-6/30/2018. The goal of this project is to develop and lead a Rodent Behavioral Core facility for MIND Institute and UC Davis users working on mouse and rat models of neurodevelopmental disorders.

Community Service

Core E Director, IDDRC Executive Committee, MIND Institute
Member, Executive Committee, MIND Institute