Docket #: S13-149

Neurexin-1alpha knockout mouse model of autism and schizophrenia

Mouse model used to replicate a gene mutation that has been repeatedly observed in autism and schizophrenia patients.

This invention is jointly owned with UT Southerwestern. For licensing information please contact: TechnologyDevelopment@utsouthwestern.edu

Applications

- Can potentially be used for screening for drugs against neuropsychiatric disorders, for validating drug candidates, or for exploring pathogenetic mechanisms involved in neuropsychiatric disorders

Advantages

- Animal models of schizophrenia and autism are notoriously difficult to generate, and this model replicates not only the genetic nature of these conditions, but also mimics some of the symptoms observed in the conditions.

Publications

- PNAS, October 20, 2009, Vol. 106, No. 42 17908-18003

Innovators

- Thomas Sudhof

Licensing Contact

Michael Bellas

Licensing Associate

Email