



Title of Invention

PI : Prof. Show-Li Chen

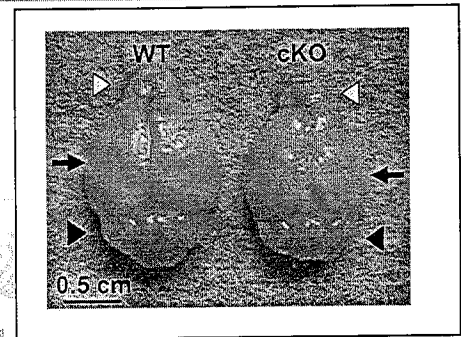
Graduate institute of microbiology, College of medicine National Taiwan University

Experience:

<http://microbes.mc.ntu.edu.tw/main.php?Page=SA4B1&KeyID=3936933524577dcdce5841&Template=teacher02.php>

Market Needs:

Providing a platform for quick screening of neurodegenerative drug



Our Technology:

We found that depletion of BCAS2 in *Drosophila* wings causes abnormal wing development. In addition, conditional knockout of BCAS2 in the murine forebrain leads to neurodegenerative phenotypes including reduced brain size, lower memory ability and dendritic malformation. Moreover, we also found that BCAS2 may regulate adult neurogenesis through Wnt/ β -catenin signaling. Thus, we suggest that BCAS2 conditional KO mice and *drosophila* could serve as a platform for neurodegenerative drug screening.

Strength:

Using BCAS2 conditional KO mice which exhibited neurodegenerative phenotypes combined with tissue specific BCAS2-knockdowned *Drosophila* as a platform for drug screening

Competing Products:

Intellectual Properties:

Contact (do not need to fill out):

Center for Industry-Academia Cooperation, NTU
Tel: 02-3366-9945, E-mail: ntuciac@ntu.edu.tw

This information herein is intended for potential license of NTU technology only. Other usage of all or portion of this information in whatever form or means is strictly prohibited. Kindly contact us and we will help to achieve your goal the best we can.