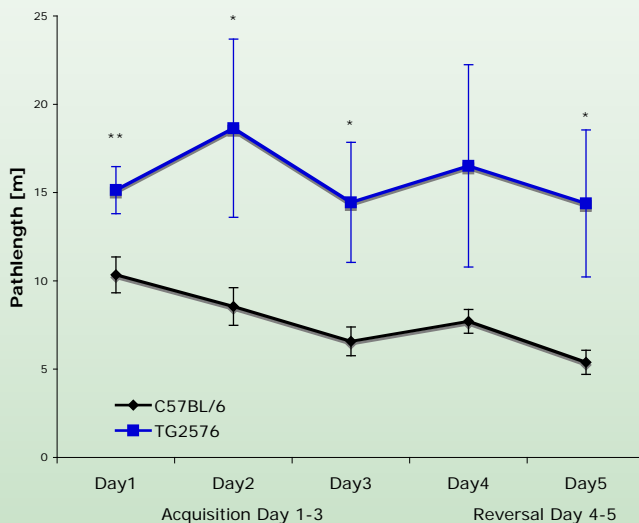


Alzheimer Preclinical Studies

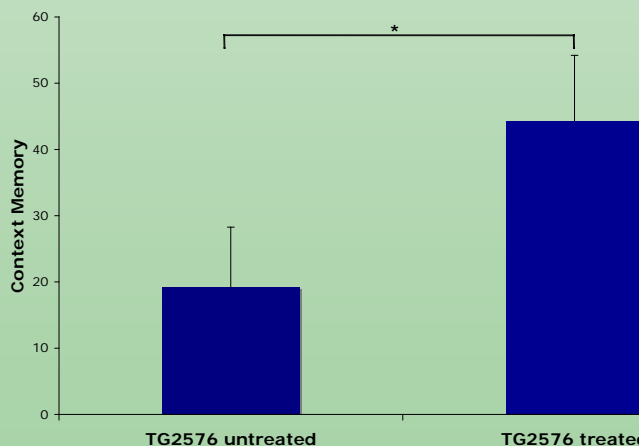
- Evaluation of lead substances in mouse models of Alzheimer's disease
- Influence of pharmacological treatment on learning and memory

Learning Deficits of TG2576 Alzheimer Mice



Visual spatial learning deficits of male TG2576 mice (APPSWE, Hsiao et al. 1996 Science 274:99-102) are revealed in the Morris Water Maze. Transgenic mice did not acquire the task, whereas control C57BL/6 mice learned to locate the hidden platform in our standard paradigm.

Context Memory Improvement in TG2576 Alzheimer Mice



Recently, we demonstrated that treatment of TG2576 mice with a glutamyl cyclase inhibitor improves the contextual memory in a fear conditioning paradigm (Schilling et al. 2008 Nature Medicine 14:1106-1111).