# Transposon Induction of Glioma Brain Tumors and Cancer Stem

#### **Human Brain Tumor Research**

A mouse model for the study of human brain tumors in a variety of ways, such as generation of "humanized" models for high throughput drug screening and candidate gene validation with exceptional speed and flexibility.

# **MN-IP Try and Buy**

MN-IP Try and Buy deal terms are in the process of being posted. Contact us for specific details.

#### **Mouse Model Facilitates Human Glioma Research**

The Sleeping Beauty<sup>TM</sup> transposable elements are used to achieve chromosomal integration of human oncogenes into endogenous brain cells of immune-competent mice. Genetically engineered, spontaneous brain tumors were induced with plasmid DNA in a matter of weeks in many mouse strains. Tumors that arose recapitulated human glioma including presence of cancer stem cells. At least five different genes can be transfected simultaneously, allowing measurement of tumor viability by in vivo imaging. This model can accelerate brain tumor research in a variety of ways, such as generation of "humanized" models for high throughput drug screening and candidate gene validation with exceptional speed and flexibility.

PubMed ID #19147555

## **Technology ID**

z08158

# Category

Life Sciences/Research Tools

## View online page

