

CRISPR Gene Editing Part 1: Knockins



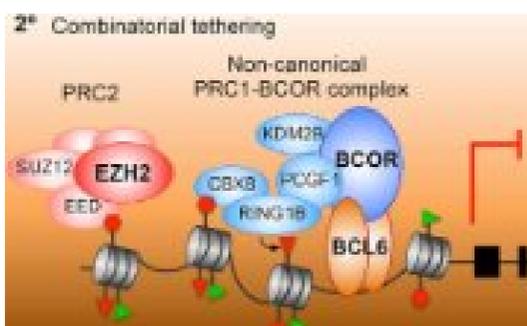
With almost two decades of operations in place, [ingenious](#) has generated nearly 1,700 custom-made gene targeted mouse models. Of these, knockin projects represent the most diverse classification of model type. From knockin replacements to gene fusion, co-expression, humanization, conditional point mutations, reporter genes and tags, the introduction of exogenous sequence into endogenous

mouse loci has been an extensive part of [ingenious](#)' contribution to the research community.

Utilizing CRISPR/Cas9, we continue to develop our toolkit and generate models faster and at lower costs than ever before. Depending on the model type, [ingenious](#) can now offer germline confirmed F1 mice in as little as 6 months. No mosaicism. No uncertainty.

Start your breeding and experiments with a knockin mouse of [known quality](#).

Publications



Congratulations Dr. Ari Melnick, who recently published in *Cancer Cell* with a conditional Ezh2 Y641F point mutation knockin mouse model created by [ingenious](#)! This complex model was designed for expression of wild-type Ezh2 until activation of Ezh2 Y641F mutant form by Cre recombination. Dr.

Melnick and colleagues used their versatile mouse model to help demonstrate cooperation between EZH2 and BCL6 in germinal center formation and lymphomagenesis, and provide key insights for combinatorial therapies. [Check it out.](#)

Client's Success Story



Dr. Virginia Kimonis, Professor of Pediatrics and Chief of the Division of Genetics & Metabolism at University of California, Irvine, was a client of [ingenious targeting laboratory's](#) in early 2000. We circled back around and interviewed Virginia on where she is now. Many years and numerous publications later, Virginia's mouse model is still being utilized today to study rare genetic diseases. Read more [here](#).

[Did You Know...](#)



... lasers and nanoparticles can together be used to safely zap out cancer? Scientists at Niels Bohr Institute and University of Copenhagen are developing cancer treatment involving nanoparticles injected into a cancer, and near-infrared laser light that causes the particles to heat up and damage the cancer cells.

Unlike traditional cancer treatments which have major side effects on healthy parts of the body, this innovative technology is designed to specifically destroy cancer tumors while causing no damage to other tissues. Read more [here](#).

Contact Us



Copyright © 2016. All Rights Reserved.