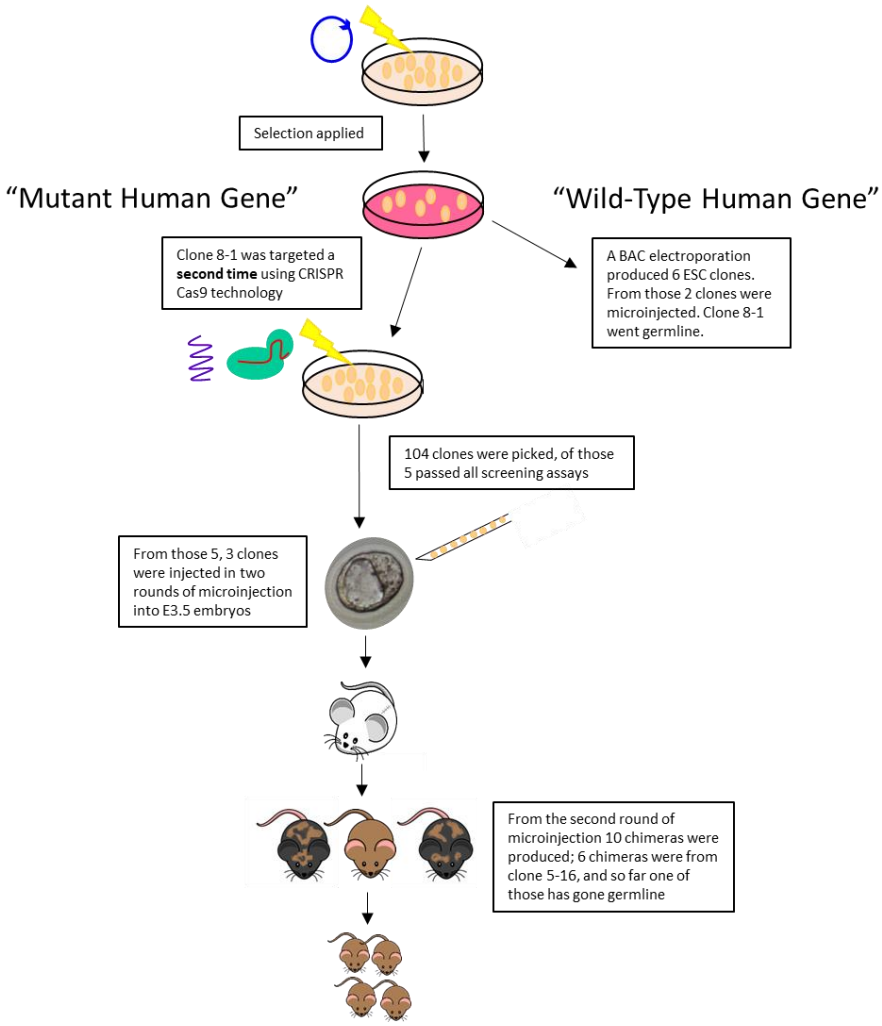
Mouse Animal Production Service

Another New Mouse Strain for the Leavitt Lab

Previously, Dr. Terri Petkau (Research Associate, Leavitt Lab) working with MAPS knocked a wild-type human gene into a "docking site" on the mouse X Chromosome and made a new mouse strain. Now, the ESC clone carrying the wild-type gene has been retargeted using CRISPR Cas9 to create a human mutation in the gene. MAPS microinjected the new mutant ESCs into blastocysts and we are so excited to announce that these have gone germline too!

The Leavitt lab now has a matched pair of mouse strains both carrying the human gene in the same genomic location; one with a wild-type copy and the other a human mutation. Nice mouse modeling of human disease Leavitt Lab!!!



We look forward to working with you to further your research

The Mouse Animal Production Service (MAPS) at CMMT provides the research community with cost effective, state of the art technologies for the generation and maintenance of genetically modified mice. Directed by Dr. Elizabeth M. Simpson, the objective of MAPS is to advance discovery through mouse-based techniques.

CONTACT US

For more information on our services or to place an order, please contact us:
MAPS team at mapsinfo@cmmt.ubc.ca
http://cmmt.ubc.ca/facilities-services/mouse-animal-production/

Centre for Molecular Medicine and Therapeutics