MOUSE MODELS

OVERVIEW OF THE MJFF MOUSE MODEL REPOSITORY

MJFF partners with The Jackson Laboratory (JAX) to house and distribute mouse models generated by academic labs.

JAX distributes the mice to non-profit and for-profit researchers under terms agreed upon by JAX and the depositing investigator/institution.

MJFF covers costs associated with shipping the line to JAX, cryopreservation, rederivation, establishment of a live colony, and maintenance of the live colony for one year. This ensures there is no cost for depositing the line and the line will be prioritized by JAX.

REPOSITORY WORKFLOW

MJFF and PI who generated the model agree to deposit the line at JAX.

JAX reaches out to the PI and institution to obtain information on the line, negotiate licensing, and coordinate shipment.

PI ships material to JAX. The line is cryopreserved and rederived at JAX. *The option to keep the line private until publication is available.*

JAX builds a product page to host your model. The page includes information on the line development, phenotype, and publications.

A live colony is established and the line is listed as available. Following the first year, the model may be switched to available by cryorecovery if demand is low.

HOW TO ADD YOUR MODEL TO THE REPOSITORY

For ASAP-funded tools: Please complete the ASAP Tool Submission form. A link to the form is here and in the "MJFF Sponsored Tools Program" section of the Discover ASAP page on the Hub.
For non-ASAP-funded tools: Please email tools@michaeljfox.org. Provide the name of the lab that developed the model, a brief description of the line and a few sentences on how this model will accelerate research.

PROGRAM BENEFITS

Depositing your mouse model in the MJFF repository provides the benefits of:

➤ Reducing costs associated with maintaining a large colony for internal use and sharing
➤ Reducing time wasted on fielding requests, processing MTAs, and shipping samples
➤ Protecting against loss or contamination by ensuring the model is banked in a secondary location
➤ Increased visibility of your model as researchers find it on the MJFF Tools Catalog and repository website
➤ Crowd sourcing additional characterization of the model through broad community access
➤ Timely availability of the model post-publication when the model is shared in advance and kept in a private collection until publication.

These benefits are all gained while retaining ownership of the line and the right to license directly to collaborators.