

# Mammalian Genetics Highlights

- The Tennessee Mouse Genome Consortium (TMGC) has been steadily progressing in their funded neuromutagenesis center
- Produced 940 lines
- Rederived 127 lines of which
- 93 have been screened across the state
- 34 have completed behavior testing only
- Currently retesting/confirming 30 of these tested lines in addition to 3 lines that are mutant (2 for brain, 1 for eye).

**For information on the Tennessee Mouse Genome Consortium, please see <http://tnmouse.org/>**

# TMGC GRANTS

- The ORNL mutagenesis portion of the TMGC's funded neuromutagenesis center U01 is the backbone for many of the TMGC grants.
- A Distribution center application to piggyback with the neuromutagenesis center application to cryopreserve and distribute confirmed mutants to the larger research community. Funding pending.
- An education grant has been submitted to have funding to allow visiting investigators to avail themselves of the great resource produced in the neuromutagenesis center. Awaiting review.
- An Integrative Neuroscience Initiative on Alcoholism application to study the effects of alcohol proposes to further test mice sensitive to alcohol as picked up on the primary screen from the neuromutagenesis screen. The original mice will be produced at ORNL/UTK and the bioinformatics segment is based at 1060 Commerce Park. This application has been funded.
- A BISTI (Bioinformatics/Biomedical Information Science and Technology Initiative) application is awaiting funding. Jay Snoddy is the PI on this proposal to set up new bioinformatics tools.
- A proposal to characterize developmental defects which are a bonus from the neuromutagenesis center was submitted for a March 13 RFA deadline. Gene Rinchik (ORNL) is the PI on this multimillion dollar, 5-year proposal from the National Institutes of Health's National Institute of Child Health and Human Development.
- A few other proposals have been submitted and or funded using the resources and the network developed through the TMGC. Having the mechanisms in place to facilitate collaboration between institutions increases the yield exponentially.

# TGMC Retreat and Bioinformatics Summit Workshop

- **TGMC Retreat**
  - To keep communication and collaboration levels high, a retreat open to anyone from TMGC institutions was held at Montgomery Bell State Park in December 2001. Several nationally known invited speakers participated.
- **Bioinformatics Summit Workshop**
  - A Bioinformatics Summit workshop is being held at Paris Landing State Park March 22-24, 2002. The goal of this workshop is to elucidate the tools and expertise available and increase collaboration across the state. This meeting will have some national attendees.