



The Jackson Laboratory (JAX) Mouse Colony Management Workshop



Dates: March 7th - 9th, 2011

Venue: The Institute for Stem Cell Biology and Regenerative Medicine (InStem), National Centre for Biological Sciences (NCBS-TIFR), Bangalore, INDIA

Workshop Synopsis

Transgenic mice with targeted gene deletions are critical for biomedical research - both for understanding gene function as well as for modeling human disease. The generation of transgenic and knockout mice is technically challenging but equally, care of these animals and maintaining stocks is a specialized veterinary practice requiring advanced training. This 3-day lecture course aims to provide an overview of mouse colony management for advanced biomedical research.

The course will provide training in the theory and practice of maintaining mouse colonies for production and research. The program is designed for scientists, colony managers, animal care technicians and students requiring an understanding of issues relating to the management of animal research and production colonies.

Topics include:

- Mouse genetics and transgenic technology
- Gene and strain nomenclature
- Breeding strategies
- Genetic background effects on phenotype
- Reproductive biology of the laboratory mouse
- Using assisted reproductive technologies (ARTs)
- Cryopreservation
- Colony health
- Importation
- Recovering from disease outbreaks
- Production colony construction and maintenance
- Nutrition
- Genetic quality control
- Public resources for mouse researchers
- Cre-LOX Technology in Mouse Models of Disease
- JAX Colony Management System (JCMS) Computer Software



Registration Details:

DEADLINE FOR REGISTRATIONS: 10th February 2011

There is a limit of 75 people and the workshop is expected to be in demand so early registration is encouraged.

To register for the workshop and more details such as workshop fees, schedule and poster please visit:

<http://instem.res.in/Courses.htm> or www.ncbs.res.in/events.htm

For any queries regarding registration submission please email Ms Archana Jain : archanaj@ncbs.res.in

SEE YOU THERE!