

RESEARCH MODEL SEMINAR

Subjects:

Genetic Drift - What It Is and How to Minimize Its Impact on Your Research

The phenotypes of genetically modified mouse strains depend on the genetic mutation and background. Genetic background is subject to genetic drift that may result in phenotypic drift over time.

You will learn about the following topics:

- The basis for genetic drift
 - Case studies demonstrating genetic drift and its effects on experimental results
 - The Jackson Laboratory's unique Genetic Stability Program to stop cumulative genetic drift
- Steps to ensure the long-term genetic and phenotypic stability of your mutant mice.

Efficient Mouse Colony Management

In today's economic climate, research funding and vivarium space often are becoming increasingly limited. As a result, investigators are challenged with managing their mouse colonies more efficiently and economically.

You will learn about the following topics:

- The fundamentals of mouse reproduction
- Factors affecting mouse breeding performance
- Time-saving approaches to data collection and record keeping
- Tips for maximizing mouse colony productivity and minimizing cost

How to implement basic and complex mouse breeding strategies.

Speaker:

Kristin Lamont, PhD Technical Information Scientist

Earned a BA in Biochemistry from Colgate University in 2003 and a PhD in Biomedical Sciences in 2009 from the Mayo Graduate School in Rochester, Minnesota. Her doctoral thesis focused on the regulation of the apoptosis inhibitor c-FLIP by androgens and anti-androgens in prostate cancer. Joined the Jackson Laboratory in 2011 for a post-doctoral fellowship to develop a novel therapeutic strategy to target B-cell malignancies such as chronic lymphocytic leukemia. Kristin has over a decade of experience in tumor cell biology, cell signaling, and in vivo models of cancer.

When: Thursday 30 November from 13 - 16:00. Registration starts at 12:30.

Where: Karolinska Institutet, Petrénsalen, Wargentinhuset, Nobels väg 12 A, Solna. Hosted by LAS Education and Training Unit, Comparative Medicine, Karolinska Institutet.

Price: Free-of-charge. The seminar is limited to 90 participants. Seats will be assigned on a first come, first served basis.

Continued Professional Development (CPD): This seminar is a CPD activity in laboratory animal science (LAS) recognized by the LAS Education and Training (E&T) Unit, Comparative Medicine, Karolinska Institutet. After the seminar is completed, participants will receive a certificate of attendance that will be authenticated by the LAS E&T Unit.

REGISTER NOW! <https://websurvey.textalk.se/start.php?ID=109083>

Closing date for registration: Wednesday 22 November 2017.

Join in on our discussions with specialists. We look forward to seeing you!

Best regards,

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