charles river

ULM UNIVERSITY

Charles River & The Jackson Laboratory Seminar 2018

Event Location

Multimediaraum
Building N27
Ulm University
Albert-Einstein-Allee 11
D-89081 Ulm

Speaker

Danielle Fontaine, Ph.D.,
Technical Information Scientist,
The Jackson Laboratory

Contact

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Free but mandatory registration on our website

November 15, 2018

12:15 – 12:25	**Registration and Welcome**
12:25 – 13:30	**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. In this seminar, 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

13:30 – 13:50	**Coffee Break**
13:50 – 15:00	**Comparing Immunodeficient Mice for Cancer Research**

Mouse strains with varying degrees of immunodeficiency are powerful tools for modeling human disease. In this seminar, we will highlight the most widely used immunodeficient models and discuss important considerations for selecting the most appropriate one. Join us to learn about the following topics:

- The varying degrees of immunodeficiency in common mouse models
- Benefits and limitations of nude, scid, and Rag1-null mice
- Recent advancements using the most versatile NOD scid gamma (NSG™) strain
- Innovations for studying human cancer made possible by the NSG™ strain