

# Universitat Autònoma de Barcelona Charles River Seminar 2025



Thursday, 26 June 2025 | 09:30 – 12:00 CEST

Registration is free, but mandatory as seats are limited

[Visit our webpage to register](#)

**Location:**  
Facultat Verinària - Aula 1;  
Campus de la UAB  
08193 Bellaterra

## Contact

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### 9:30 - 9:45 Welcome and introductions

### 9:45 – 10:45 Genetic Drift – What It Is and How to Minimize Its Impact on Your Research?

Over multiple breeding generations, all inbred and genetically modified mouse strains are subject to genetic drift. As a result, the phenotypes associated with the underlying genetic background can also drift. Join us as we discuss:

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

### 10:45 – 11:00 Break

### 11:00 – 12:00 Optimizing Colony Management for Transgenic and Mutant Rodent Colonies

Relevant colony management practices strongly participate to research data reproducibility, 3Rs and cost savings. This presentation describes different scenarios that may be encountered when breeding an animal colony and relevant tools applicable to anticipate or solve issues and finally to go faster and safer with your research.

- Embryology tools
- Lines refreshment
- 3Rs
- Molecular testing
- Genotyping

**Presenter:** [Jean Cozzi](#), PhD, Innovation Manager, Genetically Engineered Models and Services, Charles River