

NorIMM seminar: Mouse breeding, genetics and colony management.

Location:	Karolinska Institutet, Stockholm, Sweden.
Dates:	December 8 (12-18) and 9 (8.45-12), 2016.
Fee:	Free of charge, but participants must pre-register.
Registration link:	http://tinyurl.com/NorIMMseminar2016 [deadline: November 18]
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Welcome to our free of charge seminar where you could get important inputs, hints and tips from experienced speakers and network with colleagues. Explore and contrast the topics below from both the academia and professional breeders' perspectives.

Topics include:

- The basics of genetics and mouse nomenclature.
- Basic breeding strategies, colony management and troubleshooting.
- Introduction to creation and care of mouse models.
- Protecting mouse colonies from genetic drift.
- Cryopreservation and rederivation techniques.
- Welfare and transportation of rodents.
- Reducing aggression in mouse colonies.
- Expected phenotypes in most common mouse strains.
- Impact on research, health and welfare of most common infectious diseases of mice.
- New approaches for health monitoring of mouse colonies.
- Diets and impact on mouse phenotypes.

Speakers:

- Cory Brayton, Johns Hopkins, USA (keynote).
- Björn Rozell, Karolinska Institutet, Sweden.
- Casper Caspersen, Janvier Labs, France.
- Graham Tobin, Envigo, UK.
- Janneke Arts, Envigo, Netherlands.
- Jean Cozzi, Charles River, France.
- Kristin Lamont, The Jackson Laboratory, USA.

This is a continued professional development (CPD) activity in laboratory animal science (LAS) recognized by the LAS Education and Training (E&T) Unit, Comparative Medicine, Karolinska Institutet.



Final agenda:

DAY 1	Thursday, 8.12.2016
12.15-13.00	Registration.
Chairs:	Hanna-Marja Voipio, Johannes Wilbertz
13.00-13.05	Welcome note. Brun Ulfhake, Karolinska Institutet, Sweden.
13.05-13.15	Introductory words from the working group. Hanna-Marja Voipio, University of Oulu, Finland.
13.15-14.00	Introduction to mouse genetics, nomenclature and breeding. Björn Rozell, Karolinska Institutet, Sweden.
14.00-14.30	Colony management and troubleshooting of GM mouse colonies. Jean Cozzi, Charles River, France.
14.30-15.00	Applications of CRISPRCas9 in mice. Jean Cozzi, Charles River, France.
15.00-15.30	Coffee break
15.30-16.00	Protecting mouse colonies from genetic drift. Kristin Lamont, The Jackson Laboratory, USA.
16.00-16.30	Know your B6 mouse. Kristin Lamont, The Jackson Laboratory, USA.
16.30-17.00	Cryopreservation & rederivation – optimization of strain security, the 3Rs & reproducibility. Casper Caspersen, Janvier Labs, France.
17.00-18.15	Mingle.
18.15	CLOSE
DAY 2	Friday, 9.12.2016
Chairs:	Aurora Brønstad, Grete Østergaard
8.45-9.00	Welfare and transportation of rodents. Janneke Arts, ENVIGO, Netherlands.
9.00-9.15	Reducing aggression of rodents – the breeder perspective. Janneke Arts, ENVIGO, Netherlands.
9.15-9.30	Reducing aggression of rodents – the user perspective. Cory Brayton, Johns Hopkins University, USA.
9.30-10.00	Expected phenotypes in common mouse strains. Cory Brayton, Johns Hopkins University, USA.
10.00-10.30	Coffee break
10.30-11.00	Mouse nutrition – impact on phenotypes. Graham Tobin, ENVIGO, USA.
11.00-11.30	Common infectious diseases of mice – impacts on research, health & welfare. Cory Brayton, Johns Hopkins University, USA.
11.30-12.00	Health monitoring of mouse colonies – new approaches. Cory Brayton, Johns Hopkins University, USA.
12.00	CLOSE

