

Blood Sampling Techniques in Mice and Rats & Handling of Blood Samples 11 April 2019 in Copenhagen

DESCRIPTION

Blood samples are an essential part of most animal experiments, but how do we obtain the best possible blood samples while ensuring a high level of animal welfare?

This course includes a theoretical and a practical review of the most frequently used blood sampling techniques, existing guidelines for maximal blood sampling volumes and restitution times.

Furthermore, we will discuss the potential pathological consequences and stress responses due to blood sampling, and how we make sure to minimize these.

Correct handling of blood samples is essential for accurate research results, and thus good practice for stabilisation, centrifuging, cooling and storage will be presented.

We will discuss specific challenges the participants may face regarding blood sampling.

The course includes both lectures and practical exercises on blood sampling techniques in mice and rats.

A maximum of 12 participants ensures that everyone gets hands-on training.

AGENDA

08:15-08:30
Breakfast & coffee

08.30-09.45
Theory
Blood sampling

- Methods
- Best practices
- What to choose?
- Serum vs. plasma, stabilization and storage

09:45-10:15
Break

10.15-11.00
Consequences

- Stress
- Pathology
- Affects on biology
- Pictures & data

11:00-12:00
Lunch

12:00-15:30
Practical exercises
12.00-13.30
Rats

13:30-14:00
Break

14.00-15.30
Mice

15.30-16.00
Evaluation



Blood Sampling Techniques in Mice and Rats & Handling of Blood Samples 11 April 2019 in Copenhagen

EDUCATORS

Klas Abelson is Associate Professor the Department of Experimental Medicine, University of Copenhagen. Klas' research centers on the development of objective measurement of pain and stress in rats and mice as well as development and refinement of methods for surgery and blood sampling. He is responsible for a wide range of teaching and training activities in lab animal science and animal experimentation.

Lise Nikolic Nielsen is Associate Professor at the Department of Veterinary Clinical Medicine, University of Copenhagen. Lise is the academic manager of the Veterinary Diagnostic Laboratory (VetLab) and Veterinary Clinical Pathology. VetLab analyzes samples from many different species and Lise is therefore well aware of the struggles to get adequate samples, how to analyse samples with small volumes and the lack of reference intervals for exotic species.

LANGUAGE

English or Danish (optional)

WHEN

11 April 2019

WHERE

University of Copenhagen
Panum, Blegdamsvej 3B
2200 Copenhagen N
Denmark

PRICE

EUR 670 excl. VAT
or 6250 Academy points
Includes meals

REGISTRATION DEADLINE

20 March 2019

Registration is binding. In case we do not receive enough registrations to compile a fully booked course, the course will be cancelled. This will be announced at least 3 work weeks prior to the course taking place.

REGISTER

www.scanbur.com/academy#61

