

# THEORY & PRACTICE

# ANALGESIA & ANAESTHESIA

30-31 MAY 2022

## DESCRIPTION

A 2-day course on analgesia & anaesthesia of laboratory rodents and rabbits.

For how long can you hold your breath? That is the amount of time you have to Google, if your anaesthesia protocol fails! Thus, you are highly dependent on ready knowledge when doing anaesthesia of laboratory animals. This course gives you a thorough understanding of respiration physiology and pathophysiology, which is the basis of understanding anaesthetic mechanisms, drugs of choice and practical approaches.

How much pain does a laboratory animal feel after being exposed to e.g. surgery? We cannot ask and thus often it is up to caretakers, veterinarians and researchers to decide which pain relief should be given. On this course you learn about pain physiology, assessment and alleviation. You learn the different mechanisms behind acute and chronic pain, why you need to treat them and which options you have in doing so.

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

## AGENDA

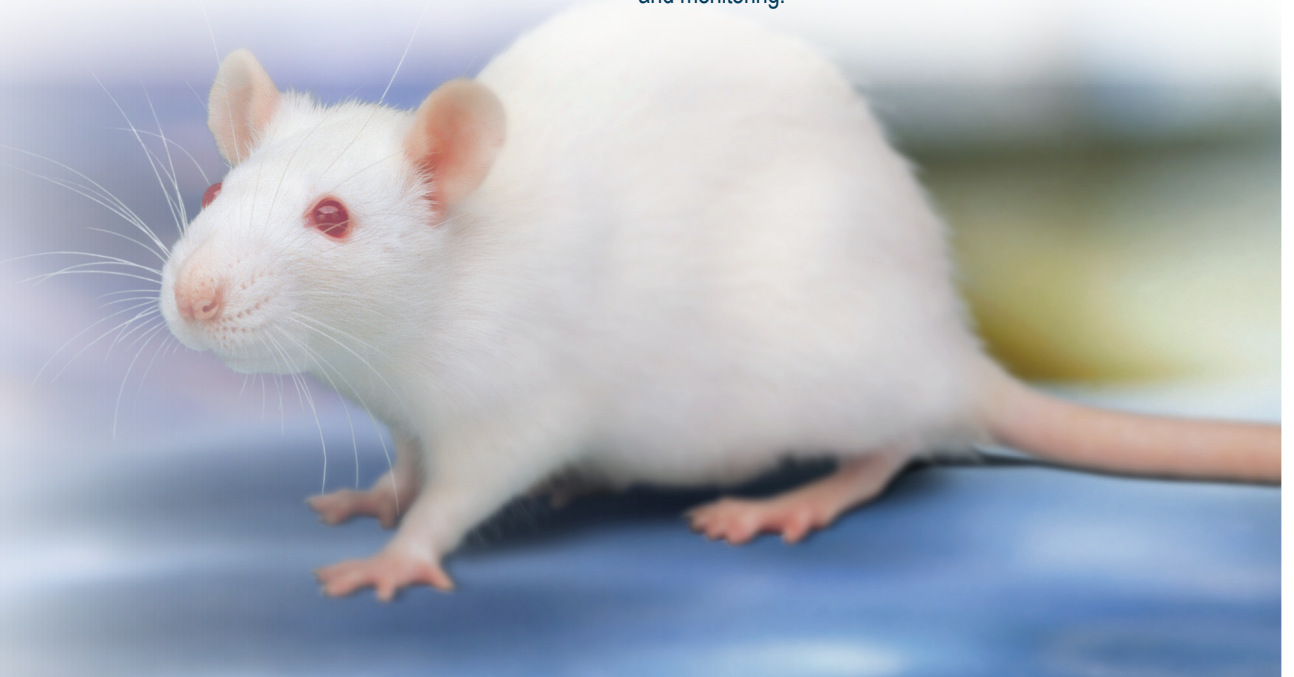
*Monday 30 May 2022:*

09:00-17:00: Interactive lectures take the participants through the theory of respiratory and pain physiology and with that onset, moves on to the principles of anaesthesia and analgesia. The participants get an overview of drugs of choice for different anaesthesia levels and purposes. Likewise, the options for pain relief dependent on type of procedure and physiological impact will be introduced.

17:00-21:30: Social program: After a day of lectures, this day includes a guided tour in Copenhagen ZOO. We get to meet some of the animals up close and enjoy a delicious barbecue while the sun sets.

*Tuesday 31 May 2022:*

09:00-16:30: Practical exercises on rat and rabbit anaesthesia using the theoretical knowledge obtained. Various techniques will be used to illustrate the benefits and challenges of different anaesthesia protocols. Besides anaesthetic protocols, the participants will be taught intubation on both the rabbit and rat and get an introduction to the use of the larynx mask in the rabbit as a much better option. The importance of oxygenation will be thoroughly demonstrated. Video demonstration of mouse anaesthesia: IV access, intubation and monitoring.



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### EDUCATORS

Klas Abelson, MMedSc, PhD is Professor the Department of Experimental Medicine, University of Copenhagen. Klas' research centres on the development of objective measurement of pain and stress in rats and mice and novel methods for alleviating pain and stress in these species.

Carsten Grøndahl, DVM, PhD is Associate Professor in Anaesthesia and Surgery at University of Copenhagen and Chief Veterinarian at Copenhagen ZOO. Carsten has conducted numerous research projects and seminars on pain modulation and anaesthesiology.

### LANGUAGE

English or Danish (optional, depends on participants).

### WHEN

Monday 30 and Tuesday 31 May 2022.

### WHERE

Day 1: Copenhagen ZOO  
Day 2: University of Copenhagen, Frederiksberg Campus

### PRICE

EUR 1285 excl. VAT (includes meals).

### REGISTRATION DEADLINE

Monday 9 May 2022.

Registration is binding. Should we do not receive sufficient 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. Current Covid restrictions in regard to travelling and gathering apply.

**REGISTER**

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