

# Scheduled Course: Laboratory Animal Analgesia & Anaesthesia - Theory & Practice

## DESCRIPTION

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.

On Day 1 of this course, 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 taught. Social program: After a day of lectures, Day 1 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 in Copenhagen Zoo.

On Day 2 we do 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.

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

## EDUCATORS

Klas Abelson is Associate 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 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).

## WHEN

Thursday 3 and Friday 4 September 2020.

## WHERE

Day 1: Copenhagen Zoo, Denmark.  
Day 2: University of Copenhagen, Denmark.

## PRICE

EUR 1275 excl. VAT or 9520 Academy points.  
Includes meals.

## REGISTER

<https://www.scanbur.com/academy#61>