



Certificate ID: 057/17_22_2024
(Unique student reference)

CERTIFICATE

Christopher Tyler Short

has completed with success the Course accredited by FELASA 057/17

Laboratory Animal Science Course on Non-Human Primates

02th – 30th October 2024 (E-Learning)

04th – 08th November 2024 (On-site)

German Primate Center, Germany

for persons carrying out procedures on animals (Function A) &
designing procedures and projects (Function B)

It covered the species non-human primates.

The FELASA accredited course 057/17 covered according to the Directive 2010/63/EU and the related EC Guidelines (EC, 2014¹) the following:

Modules²:

Core Modules	1, 2, 3.1, 4, 5, 6.1
Function Modules	3.2, 7, 8, 9, 10, 11
Additional Task Modules	/

Use of Live Animals for:

Handling teaching	N/A
Minor Invasive Procedures teaching	N/A
Humane methods of killing (ref. Mod. 6.2)	N/A

Date of issue: 08th November 2024

Signature

Name: Stefan Treue
Authorised Person from the Institution

Signature

Name: Rabea Hinkel
Course Organizer
bpauling@dpz.eu

¹ http://ec.europa.eu/environment/chemicals/lab_animals/pdf/Endorsed_E-T.pdf

The Laboratory Animal Science Course on Primates is organized by the European Primate Network (EUPRIM-Net) at Deutsches Primatenzentrum GmbH (DPZ).

The content is in accordance with the requirements of the
Directive 2010/63/EU - Functions A and B*

* Function A: carrying out procedures on animals; Function B: designing procedures and projects.

The course is accredited by the FELASA (course number 057/17).

Knowledge is assessed in the Core Modules and Function Specific Modules by means of written exams. Both have to be passed successfully by the attendee.

In compliance with the guidelines laid down in the working document “Education and Training Framework” by the Expert Working Group established by the European Commission (February 2014) the course covered the following content:

E-Learning - Core Modules (theory) (20h)

- **German National Legislation and the Directive 2010/63/EU**
- **Ethics, Animal Welfare and the Three Rs (level1)**
- **Basic and Appropriate Biology of Primates:** morphology, physiological characteristics, ecology, behavior, nutrition, implications for captivity
- **Animal Care, Health and Management of Primates:** keeping, breeding, handling, training, transport
- **Recognition of Pain, Suffering and Distress in Primates:** clinical signs, clinical examination, score sheets, humane end-points, application of analgesia and anesthesia
- **Humane methods of killing**

On-site Course – Function Specific Modules (30.25h)

Function A:

- **Basic and Appropriate Biology in Primate Research:** appropriate handling methods, examples from main laboratory primate species and most commonly applied procedures (theory with video and photo material); positive reinforcement training (theory incl. video demonstration on how to train non-human primates, practice with humans); measuring primate behavior (non-invasive sampling, practical); primate diseases and zoonoses (theory); appropriate housing conditions (theory, video demonstrations, practice with models)
- **Minimally Invasive Procedures in Primate Research** (theory, video/photo documentation, video demonstration, practice with models): common practices in neurobiology, stem cell biology, immunobiology and veterinary procedures

Function B:

- **Minimally Invasive Procedures in Primate Research** (details see Function A)
- **Ethics, Animal Welfare and the Three Rs** (theory)
- **Design of Procedures and Projects** (theory): experimental design in infection research and neurobiology, statistical analysis and biometry, legal issues and responsibilities, good laboratory practice (GLP), good scientific practice (GSP)