LABORATORY ANIMAL SCIENCE COURSE – (PGS_1675)  
EDUCATION AND TRAINING OF PERSONS WORKING WITH ANIMALS FOR SCIENTIFIC PURPOSES*

Central Animal Laboratory reserves the right to make changes / cancel the program wholly or in part in case of an insufficient number of participants, organizational reasons, changes of availability of speakers or other unforeseeable events. Central Animal Laboratory will immediately inform participant of such changes. The organizer will refund the fee in full, if the program is cancelled by Central Animal Laboratory.

**Function A:** Persons carrying out procedures on animals (2+1 ECTS credits)  
**Function B:** Persons designing procedures and projects (5+1 ECTS credits)  
**Function D:** Killing animals

**Wed 20.3.2019**  
PHA2 PharmaCity, It. Pitkäkatu 4 B, 1. floor  
8-9 Course introduction, LAS education and training & laboratory animal activities at UTUCAL – Emrah Yatkin  
9-11 EU and national legislation, Animal Welfare Body (AWB) and the 3Rs / group work (Modules 1 & 2) - Emrah Yatkin  

Osmo Järvi –sali Medisiina, Kiinamyllynkatu 10, 1. floor  
12-14 Rodents & Rabbits - Basic and comparative biology & ethology (Module 3.1 & 4) - Ulla-Marjut Jaakkola  
14-16 Handling & Immobilization & Dosing. Euthanasia (Modules 6 & 7) - Emrah Yatkin  

Online: Nutrition (Module 3.1) – Niina Saarinen-Aaltonen

**Thu 21.3.2019**  
PHA2 PharmaCity, It. Pitkäkatu 4 B, 1. floor  
9-11 Project licence application II (Modules 1 &11) – Emrah Yatkin  

Dentalia, Lemminkäisenkatu 2, 1. floor  
9-16 Demonstrations I: MICE / RATS (Module 3.2) Animal handling, inspection, sexing identification, injections, blood sampling

**Fri 22.3.2019**  
PHA2 PharmaCity, It. Pitkäkatu 4 B, 1. floor  
8-9 Why to follow science ethics? (Module 9) – Jukka Westermarck  
9-11 Project licence application group I (Modules 1 &11) – Emrah Yatkin  

Dentalia, Lemminkäisenkatu 2, 1. floor  
9-16 Demonstrations II: MICE / RATS (Module 3.2) Animal handling, inspection, sexing identification, injections, blood sampling
Mon 25.3.2019
PHA2 PharmaCity, It. Pitkäkatu 4 B, 1. floor
9-12  Design of procedures and projects (Modules 10 & 11) – Vootele Voikar

PHA1 PharmaCity, It. Pitkäkatu 4 B, 1. floor
12-14  Generation and use of gene manipulated (GM) animals (Module 4) - Petra Sipilä

Online: GLP (Good Laboratory Practice) in animal safety studies (Module 11) – Linneä Linko

Tue 26.3.2019
Biocity Animal facility
8-11  HANDS-ON (Module 8)

PHA1 PharmaCity, It. Pitkäkatu 4 B, 1. floor
12-14  Biostatistics (Module 10) – Elisa Löytyniemi
14-15  Animal models (Module 3.1) - Ulla-Marjut Jaakkola
15-16  Anesthesia and pain alleviation & Perioperative care (Module 20) - Emrah Yatkin

Wed 27.3.2019
Biocity Animal facility
8-16  HANDS-ON (Module 8)
Online: Waste disposal (Module 4) – Aila Saari
        Animal sourcing & transport & Identification (Module 4) – Aila Saari
        Chemical & physical hazards (Module 4) – Elia Kujala

Thu 28.3.2019
Biocity Animal facility
8-11  HANDS-ON (Module 8)
Dentalia, Lemminkäisenkatu 2, 1. floor
12-16  Experimental surgery: principles and hygiene. Suture techniques (Module 22) – Emrah Yatkin

Fri 29.3.2019
PHA2 PharmaCity, It. Pitkäkatu 4 B, 1. floor
9-10  Occupational health & allergies in working with laboratory animals (Module 4) – Hanna-Marja Voipio
10-12  Recognition of pain and suffering & humane endpoints and severity classification (Module 5) – Hanna-Marja Voipio
13-16  Environmental factors & husbandry & animal welfare and enrichment (Module 4) – Hanna-Marja Voipio

Online:
Animal health management & health monitoring (Module 4) - Emrah Yatkin
Diseases and prevention of diseases & zoonoses (Module 4) - Emrah Yatkin
Mon 1.4.2019
PHA2 PharmaCity, It. Pitkäkatu 4 B, 1. floor
8-11 Ethics & 3Rs (theory + group work + discussion) (Level 1 and 2) (Module 2 and 9) – Markku Oksanen
12-14 Fish biology, diseases, sampling, marking, anesthesia, and euthanasia (Modules 3.1, 4, 5, 6, 7) - Tom Wiklund
14-16 Zebrafish (Modules 3.1, 4, 10) - Ilkka Paatero

Tue 2.4.2019
PHA1 PharmaCity, It. Pitkäkatu 4 B, 1. floor
9-16 PROJECT LICENSE APPLICATION/ STUDY DESIGN (oral presentations) (Module 11) - Emrah Yatkin, Ulla-Marjut-Jaakkola

Wed 3.4.2019
EXAM

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*This course is supported by the University of Turku, Faculty of Medicine Postgraduate Education Unit (PGE).

*The syllabus of this course is based on the EU's consensus document on the education and training framework (http://ec.europa.eu/environment/chemicals/lab_animals/pdf/guidance/education_training/en.pdf). The course includes lectures, demonstrations, hands-on training and a written examination. Attendance to the lectures and demonstrations is compulsory. Lectures start at sharp.