



Laboratory Animal Centre (KEKS) organizes a course:

USING ANIMALS IN RESEARCH –  
DESIGNING PROCEDURES AND PROJECTS

27 February – 22 March, 2017

**Aim of the course:** Persons working with laboratory animals must have adequate education and training before they are allowed to start their work. This course will give necessary information and guidance how to design the projects and how to apply the license for animal experiments.

**Competence to design procedures and projects:** This course is a part of the education needed for competence to design procedures and projects. For the competence, in addition to this course, you need to have passed the course 'Carrying out procedures' or 'Kurssi toimenpiteiden suorittajille' (including Core modules 1-6 and module 7) and have an appropriate higher education degree. It is mandatory that at least one person in a project where laboratory animals are used, has this competence.

**Contents of the course:** Ethics, animal welfare and the Three Rs (level 2); Design of procedures and projects (level 2): Function Specific Modules – Function B; according to the Consensus document on the education and training framework  
[http://ec.europa.eu/environment/chemicals/lab\\_animals/pdf/Endorsed\\_E-T.pdf](http://ec.europa.eu/environment/chemicals/lab_animals/pdf/Endorsed_E-T.pdf)).

**Who can participate:** Those who have passed the course 'Using animals in research – carrying out procedures' or 'Eläinten käyttäminen tutkimuksessa – kurssi toimenpiteiden suorittajille' and have 180 credits from studies in an appropriate scientific discipline.

**Structure of the course:** The course consists of theory, written exercises, conversational learning and a written project work with presentation. To complete the course, 80% attendance in lectures; written project work and presentation, and acting opponent for other projects are compulsory.

**Course fee:** 280 euros for the participants from the University of Oulu and the University Hospital. The applicants are advised to contact their department or supervisor for the payment. The course fee for those coming outside the Oulu University and the Hospital is 380 euros.

**Course language:** English.

**Credits:** This course (040912S) gives 4 ECTS.

**Registration before 3 February, 2017:** Anne Vainionpää, e-mail [anne.vainionpaa@oulu.fi](mailto:anne.vainionpaa@oulu.fi)

At registration, please, indicate your earlier studies: number of the ECTS and a certificate from the Carrying out procedures –course or Kurssi toimenpiteiden suorittajille; and mention your department and the invoicing details.

Minimum number of participants is 10 and maximum 30.

**More information:** Prof. Hanna-Marja Voipio, email: [Hanna-Marja.Voipio@oulu.fi](mailto:Hanna-Marja.Voipio@oulu.fi)



## Programme 27.2.-22.3.2017

### Monday 27.2.2017 *Lecture hall P117, Pathology*

13.15-16.00 Introduction to the course  
Legislation and guidelines (Module 11.1 and 11.2.)  
Responsibilities (Module 11.19)  
Hanna-Marja Voipio, Laboratory Animal Centre, University of Oulu

### Tuesday 28.2.2017 *Lecture hall P117, Pathology*

9.15-11.00 Project management (Module 11.5)  
How to choose animal models – cancer project example  
Ritva Heljasvaara, Faculty of Biochemistry and Molecular Medicine, University of Oulu

11.15-12.00 Licence application in details  
Hanna-Marja Voipio

12.00-13.00 Lunch

13.00-16.00 How to improve animal welfare: animal welfare bodies, severity classification and humane end points (Module 11.16)  
Sakari Laaksonen, Laboratory Animal Centre, University of Oulu

### Wednesday 1.3.2017 *Lecture hall P117, Pathology*

9.15-11.00 Implementing the three Rs (Module 11.10-11.18)  
Hanna-Marja Voipio

11.00-12.00 Lunch

12.00-15.00 Design of procedures and projects (Level 2: Module 11: 11.3-11.9.)  
Group works  
Sakari Laaksonen

### Friday 3.3.2017 *Lecture hall P117, Pathology*

9.00-12.00 Design: Group work presentations  
Sakari Laaksonen



**Thursday 9.3.2017**

*Lecture hall P117, Pathology*

13.15-14.00 Ethical aspects and communication (Module 9, Ethics level 2)  
Hanna-Marja Voipio, Laboratory Animal Centre, University of Oulu

14.15-16.00 Alternatives to animal experiments (Module 11.14)  
Matti Viluksela, University of Eastern Finland

**6.-17.3.2017**

Possibility to meet Hanna-Marja Voipio and Sakari Laaksonen in KEKS: details of the licence application.

**Monday 20.3.2017**

9.15-12.00 Project presentations

**Tuesday 21.3.2017**

9.15-12.00 Project presentations

**Wednesday 22.3.2017**

9.15-12.00 Project presentations