



Laboratory Animal Centre (KEKS) organizes a course:

USING ANIMALS IN RESEARCH –  
DESIGNING PROCEDURES AND PROJECTS

2 - 25 November 2015

**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; Design of procedures and projects: 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:** 350 euro 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 450 euro.

**Course language:** English.

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

**Registration latest 9 October 2015 to** 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 2 - 25 November 2015

### Monday 2.11.2015 *Lecture hall 338B*

- 9.15-12.00 Introduction to the course  
Legislation and guidelines (Module 11.1 and 11.2.)  
Ethical aspects and communication (Module 9)  
Hanna-Marja Voipio, Laboratory Animal Centre, University of Oulu
- 12.00-13.00 Lunch
- 13.00-15.00 Alternatives to animal experiments (Module 11.14)  
Matti Viluksela, University of Eastern Finland

### Tuesday 3.11.2015 *Lecture hall 116B*

- 9.00-10.45 Project management (Module 11.5)  
How to choose animal models – cancer project example  
Ritva Heljasvaara, University of Oulu
- 11.00-12.30 How to improve animal welfare: animal welfare bodies, severity classification and humane end points (Module 11.16 and partly 11.19)  
Sakari Laaksonen, Laboratory Animal Centre, University of Oulu
- 12.30-13.15 Lunch
- 13.15-15.00 Responsibilities (Module 11.19)  
Licence application in details  
Hanna-Marja Voipio

### Thursday 5.11.2015 *Lecture hall 338B*

- 9.15-11.00 Design of procedures and projects (Module 10.1.-10.8)  
Timo Nevalainen, University of Eastern Finland
- 11.00-12.00 Lunch
- 12.00-16.00 Design of procedures and projects (Module 11: 11.3-11.9.)  
Working in groups  
Timo Nevalainen

### Friday 6.11.2015 *Lecture hall 338B*

- 9.15-11.00 2-R: Application of 2 R's in housing and procedures (Module 11.10-11.18)  
Timo Nevalainen
- 11.00-12.00 Lunch
- 12.00-15.00 Working group presentations  
Timo Nevalainen



**9.-20.11.2015** Possibility to meet Hanna-Marja Voipio and Sakari Laaksonen in KEKS: details of the licence application.

**Monday 23.11.2015** *Lecture hall 338B*  
9.15-12.00 Project presentations

**Tuesday 24.11.2015** *Lecture hall 338B*  
9.15-12.00 Project presentations

**Wednesday 25.11.2015** *Lecture hall 338B (if needed)*  
9.15-12.00 Project presentations