



# Karolinska Institutet

25-5-2016

**Dara Mohammad**

## Certificate of Course Completion

We hereby confirm that Dara Mohammad has completed the full training in **Laboratory Animal Science for Researchers – Rodents and Lagomorphs, 3 ECTS.**

The theoretical and practical contents of the course are in accordance with the FELASA (Federation of European Laboratory Animal Science Associations) recommendations on the education and training of persons carrying out experiments with laboratory animals (40 hours at a FELASA B equivalent level). The course is in accordance with Swedish and EU Legislation regulating the protection of animals used for scientific purposes.

### Theoretical content online:

**Ethics and Animal Use**  
**Swedish Legislation**  
**Animal Records**  
**Identification Methods**  
**Biology**  
**Husbandry**  
**Animal Care and Supervision**  
**Ethology/Humane Endpoints**  
**Anesthesia, Analgesia and Euthanasia**  
**Diseases in Laboratory Animals**  
**Animal Experimental Methodology**  
**Genetically Modified Organisms**  
**Alternative Methods**  
**Safety in Biomedical Facilities**

### Practical Training (licensed species *Mus Musculus*)

**Handling and restraining**  
**Injection i.p. and s.c.**  
**Biopsy (ear and tail)**  
**Blood collection (peripheral veins)**  
**Euthanasia**

Office of Education at Comparative Medicine

Approved Practical Training by:



**Karolinska  
Institutet**

  
**D. Gigliotti, Assoc. Prof.,  
Course Director**

  
**MIKAEL  
MARZIANI**