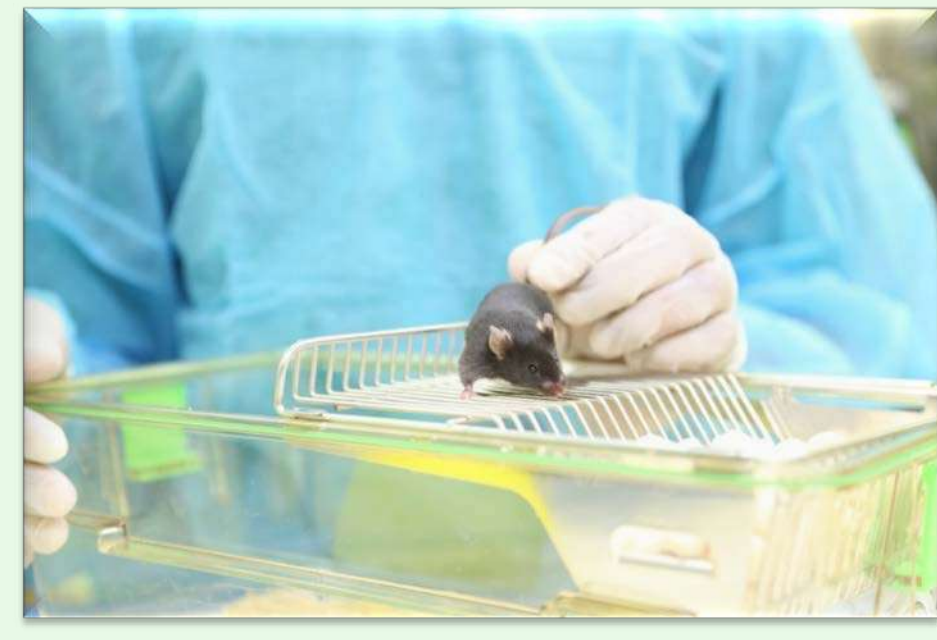


# Humane Care and Use of Laboratory Animals Training Program (HCULA)

Dr. Hamda Al-Naemi, Hadeer Zabady

## Introduction

**HCULA** is the first basic training program that covers the use of Rodents as animals models in biomedical research, it is composed of theory and hands on training courses . The theory course is required to all students and researchers who intend to use the laboratory animals research center (LARC) at Qatar university, regardless of previous training they may have had at other organizations.



The hands on course is mandatory for all personnel who will be handling live animals at LARC, It is our obligation to help researchers and students to be trained and certified to use the laboratory animals at LARC in a humane and responsible manner.



This training program provides the trainee a general understanding on the regulations and responsibility in using laboratory animals for research. At the end of each course there is an exam. The successful participants are awarded course completion certificates valid for three years. A copy of HCULA certificate is required for processing of QU-IACUC approval.

HCULA is held on a biannually basis, the first HCULA training program take place in December and the second in May of each QU-academic calendar.



## Theoretical Course

The Theory course Covers basic knowledge about regulations and ethics in Animals research:

### ❖ Ethical Guidelines for Animal Research

- Laws , Policies and Standards
- International Regulations and Resources.
- National Regulations and Resources
- Institutional Regulations and Resources

### ❖ The 3Rs and Research Variables

- Replacement
- Reduction
- Refinement

### ❖ Institutional Animal Care and Use Committee ( IACUC)

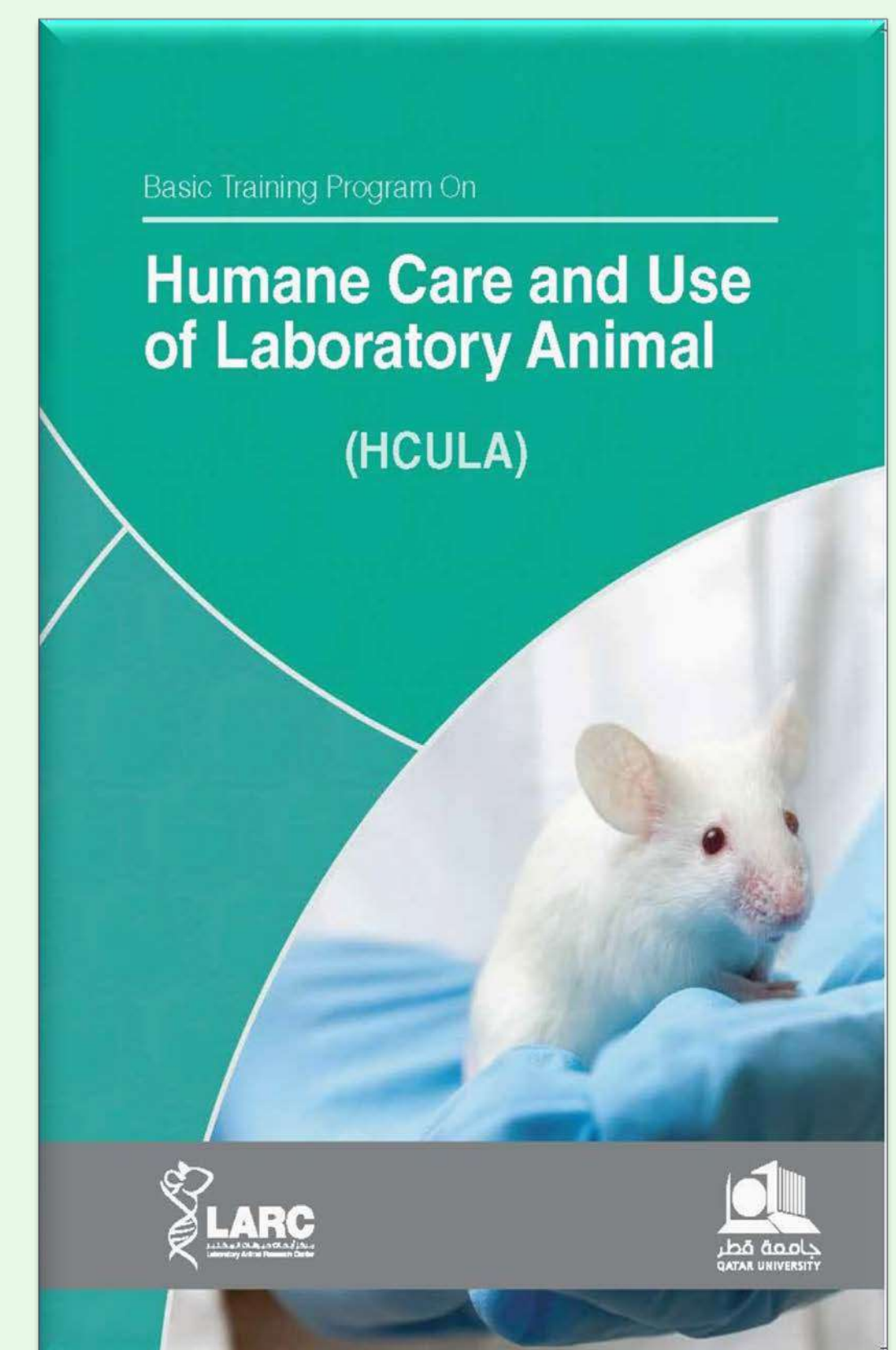
### ❖ Occupational Health and Safety

- Safety of personnel in Animals Facility
- Hazardous material and Biological waste

### ❖ Research Animals Models

### ❖ Rodent Housing and Husbandry

### ❖ Quarantine of Animals



## Hands-on-Course

In house hands-on-training on how to access pathogen free (SPF) vivarium and work with live animals

### ❖ Handling and Restraining of Laboratory Rat and Mice

- **Objective:** the trainee will be able to understand the principles in handling and restraining of lab animals.

### ❖ Sexing of Rat and Mice

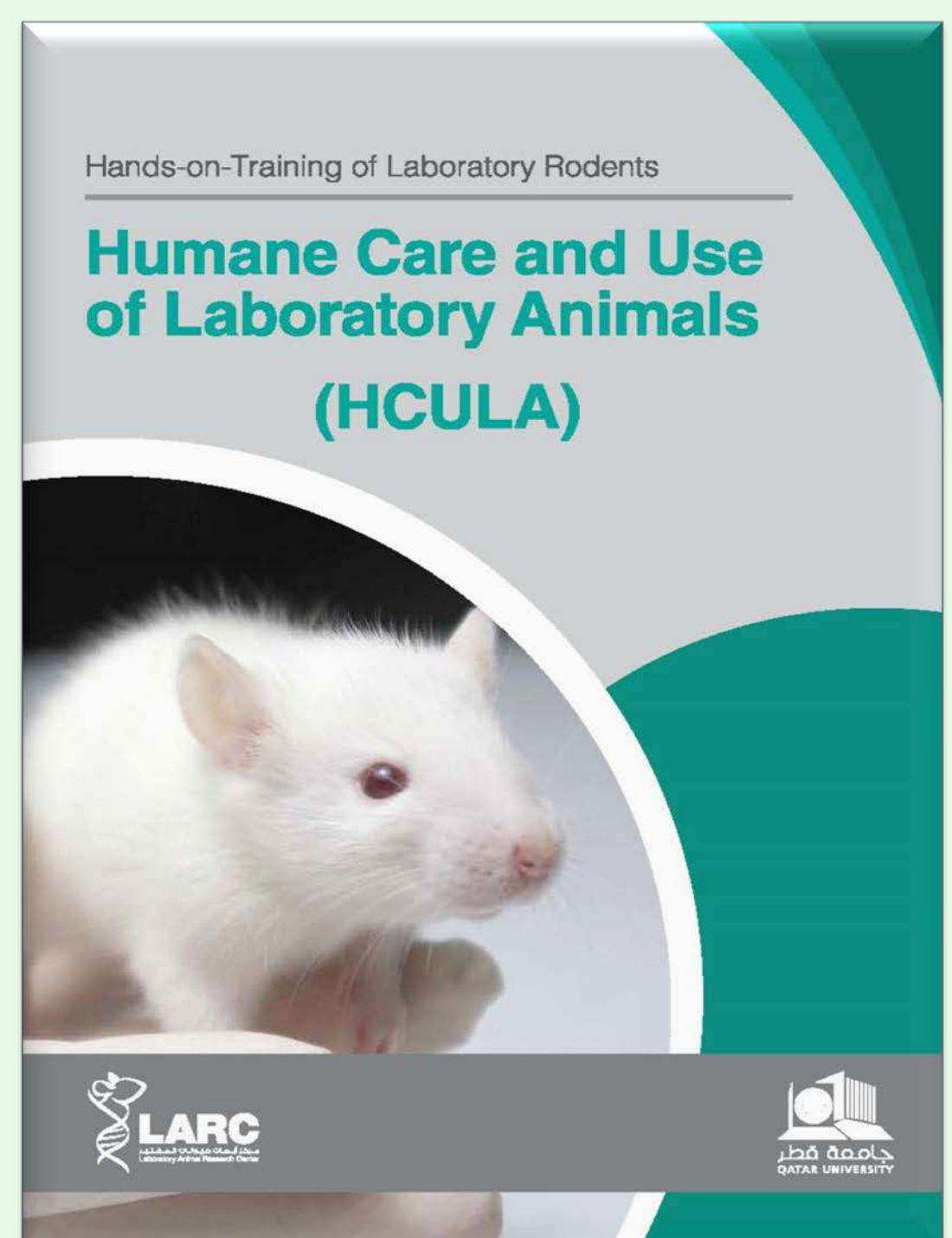
- **Objective:** the trainee will be able to determine the sexes of the laboratory animals.

### ❖ Common route of Drugs Administration

- **Objective:** the trainee will be able to familiarize with the techniques in substances administration.

### ❖ Blood Collection technique – Mice and Rats

### ❖ Necropsy Procedures in Rodents



## Statistics facts

LARC offered HCULA training Program for sixty six participants during the past three training programs since 2016; the first one was held on January 5<sup>th</sup>,2016. and it was attended by twenty three participants, in which twenty participants were from Qatar University Students and Academic Staff, the second workshop was held in collaboration between Qatar University and Qatar Foundation and it was held on May 2<sup>nd</sup> ,2016., in which twenty nine participants attended it. The third training program was held on December, 6<sup>th</sup>2016 and attended by 15 participants .

