



# Responsible Care and Use of Laboratory Animals Course (RCULAC)

A regulatory requirement which meets the training guidelines of the National Advisory Committee for Laboratory Animal Research (NACLAR) in Singapore, this Course aims to provide an understanding of basic animal experimentation requirements, highlighting proper animal handling and responsibilities of researchers. All users of animals for scientific purposes, e.g. Principal Investigators, Collaborators and Research Technicians, must attend this Course before commencing any work on animals.

The Course comprises two sessions – a series of lectures via Zoom, and hands-on training on mice and rats.

## For SingHealth Duke-NUS Institutions\*

| Lecture Sessions<br>via Zoom   | Hands-on Sessions<br>at SEMC Academia Basement 1   |  |
|--|--|--|
| 9:00am - 1:30pm  | AM session:<br>9:00am - 12:00pm  | PM session:<br>2:00pm - 5:00pm   |
| <ul style="list-style-type: none"> <li>▪ 9 Oct 2020</li> <li>▪ 13 Nov 2020</li> <li>▪ 8 Jan 2021</li> <li>▪ 12 Mar 2021</li> </ul> | <ul style="list-style-type: none"> <li>▪ 15 Oct 2020</li> <li>▪ 19 Nov 2020</li> <li>▪ 21 Jan 2021</li> <li>▪ 18 Mar 2021</li> </ul> | <ul style="list-style-type: none"> <li>▪ 19 Oct 2020</li> <li>▪ 10 Dec 2020</li> <li>▪ 18 Feb 2021</li> <li>▪ 15 Apr 2021</li> </ul> |

\*For Non-SingHealth Duke-NUS institutions, please contact SEMC at [shs.semc@singhealth.com.sg](mailto:shs.semc@singhealth.com.sg)

| Institution             | Before GST | After GST  |
|-------------------------|------------|------------|
| SingHealth Duke-NUS     | S\$ 192.10 | S\$ 205.55 |
| Non-SingHealth Duke-NUS | S\$ 322.10 | S\$ 344.65 |

## Programme

### Lecture topics (via Zoom):

- a) Laws, Regulations and Guidelines for Biomedical Research in Singapore
- b) The IACUC and PI Responsibilities
- c) Alternatives: The 3 “Rs” and Responsibility
- d) Use of Statistics as Determinant for Number of Animals to be Used
- e) Zoonotic Diseases in Laboratory Animals
- f) Animal Handling and Blood Collection
- g) Animal Anaesthesia and Pain Management
- h) Radiation Protection & The Use of Radioactivity with Animals
- i) Occupational Health in Animal Research
- j) Institutional Biosafety Committee (IBC) & PI Responsibilities

### Hands-on Exercises on Small Animal Models (mice and rats):

*(Including Demonstration on Rabbit Handling)*

- a) Identification, restraint and handling
- b) Routes of injection (subcutaneous, intramuscular, and intraperitoneal)
- c) Blood sampling (tail vein, tarsal, retro-orbital, jugular, cranial vena cava, cardiac)
- d) Euthanasia and necropsy

To register, please contact us at [shs.semc@singhealth.com.sg](mailto:shs.semc@singhealth.com.sg)