

3. Mr.S.Jeevanandam

Animal Technician, Central Animal House
Sri Ramachandra Medical College & Research
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Sri Ramachandra University, Chennai 600116

4. Dr. L. Hariprasath

Assistant Professor
Karpagam University

ORGANIZING COMMITTEE

Chief Patron

Dr. R. Vasanthakumar

President, Karpagam Educational Institutions (KEI),
Coimbatore

Patrons

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Dr. S. Sudalaimuthu, Vice-Chancellor, KU
Dr. R. Sundararajan, Registrar, KU
Dr. M. Palaniswamy, Dean, FASH, KU

Convenor

Dr. K. Devaki, Associate Professor and Head
Department of Biochemistry, KU

Organizing Secretaries

Dr. L. Hariprasath, Assistant Professor
Dr. M. Sridhar Muthusami, Assistant Professor

Executive Committee Members

Dr. K. Poornima, Associate Professor
Dr. J. Anitha, Assistant Professor
Dr. S. Priyanga, Assistant Professor

CONTACT

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REGISTRATION FORM

WORKSHOP

On

ROUTINE PROCEDURES, HANDLING AND CARE OF SMALL EXPERIMENTAL ANIMALS

11th & 12th August, 2017

Full Name :

Designation :

Institution Name :

Address :

Contact No:

E Mail :

Category :
(Student / Research Scholar / Teacher / Scientist)

Mode of Payment a) Cash b) DD

DD No and Date:

Amount Rs. :

Name of the bank :

Accommodation Required: Yes / No:
(On Participants expense)

Date :

Place :

Signature :

(Photostat copies of the registration form are also
accepted)

Applicants Signature

WORKSHOP

On

ROUTINE PROCEDURES, HANDLING AND CARE OF SMALL EXPERIMENTAL ANIMALS

11th & 12th August, 2017

Organized by

DEPARTMENT OF BIOCHEMISTRY AND BIOINFORMATICS



Enable | Enlighten | Enrich
(Deemed to be University)
(Under Section 3 of UGC Act 1956)

**in association with
ICMR, New Delhi**



Decennium Year 2017-2018

KARPAGAM ACADEMY OF HIGHER EDUCATION KARPAGAM UNIVERSITY

(Deemed University Established Under Section 3 of UGC Act, 1956)
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About –Karpagam Academy of Higher Education

The Karpagam Academy of Higher Education is located in a sprawling, green, lush campus extending 26 acres. It has emerged from Karpagam Arts & Science College (Autonomous) a unit under the Karpagam Charity Trust established in 1989 founded by the great philanthropist, industrialist and educationist Dr.R.Vasanthakumar with the vision of instilling originality in the learning minds, impart quality and value-based education and engage in Research and Development with the noble objective of creating unique men and women to serve and lead the society.

Karpagam Academy of Higher Education was conferred Deemed to be University status by the Ministry of Human Resource Development in August 2008 under section 3 of the UGC Act 1956. It is a recognised Deemed University by the UGC. It is a member of the Association of Indian Universities. The University has been accredited by the NAAC in 2015. It has been Ranked 90th place by NIRF, MHRD, Government of India in 2017.

The University has 4 Faculties - Faculty of Arts, Science and Humanities, Faculty of Engineering, Faculty of Architecture and Faculty of Pharmacy. It has 25 Departments offering a wide range of 78 academic programmes from graduation to doctorate levels. The University has more than 5,000 students on campus, with a strong contingent of more than 350 teaching faculty, well supported by an almost equal number of administrative and support staff. Faculty have got good number of research projects with financial support from various funding agencies like DBT / DST / ICMR and have filed more than 45 patents. As many as 1600 Research papers have been published by our faculty in SCOPUS and Peer Reviewed Journals. The University has entered collaboration with foreign Universities, Industries, and Research bodies for mutual benefit. The Institute ensures that education epitomizes excellence in every sphere and students are prepared to take on the challenges of the day and become the next generation leaders.

About the Department

The Department of Biochemistry was established in the year 1995 with UG and extended with PG in 1999. The research was seeded in the year 2003. The Department has major and minor projects funded by ICMR, UGC, DST and Ministry of Forest and Environment. The thrust areas of research include Cancer biology, Diabetes, Bone Health, Natural Products and Nanobiotechnology. The department has more than 200 publications in high impact journals. Some of the research findings were also patented and a confidential disclosure agreement with Nuray Chemicals, Pvt. Ltd., Chennai was signed for the discovery of drug for diabetes.

The Department of Biochemistry has well equipped laboratories with sophisticated equipments, well established Animal house and a separate lab for Animal and Plant Tissue culture Research.

About the Workshop

Animal experimental data in preclinical research is vital for conducting human trials. The initial efficacy and safety of the drug/lead candidate is determined in the preclinical phase of the drug development process. Animal ethics is an important objective of the Committee for the Purpose of Control and Supervision on Animals (CPCSEA), a statutory committee in India which approves animal house facilities and the conduct of animal experiments in educational and research institutions. Understanding and learning of animal handling and care is essential for any individual working on experimental animals.

Animal house facility at Karpagam University is recognized by CPCSEA for the conduct of animal experiments. We strictly adhere to the guidelines for animal handling and care. This two-day workshop targets to train young students (graduate and post-graduate level) and researchers on handling of small experimental animals such as mice, rats in a humane manner. Participants will be exposed to procedures such as handling and restraint, sex differentiation, various routes of drug administration, collection of blood sample, euthanasia, endocrine surgeries and post-operative care. Apart from the above procedures, the workshop also prepares the participants on the selection of appropriate animal models to study diseases and writing a protocol, animal ethics, and structure of animal ethical committees. All individuals would get relevant expert demo and hands-on training prior to designing their own animal-based work.

SCIENTIFIC SESSION

The following topics would be covered in the workshop:

- Introduction to experimental animals
- Handling and restraint
- Routes of drug administration in mice and rats
- Collection of blood sample
- Necropsy and removal of vital organs
- Anesthesia and Euthanasia
- Designing an animal study protocol
- Institutional animal ethics committee

LEVEL OF PARTICIPANTS

Research Scholars, Students from Indian Universities, Colleges, Research Institutes, Medical Colleges etc., could attend the Workshop by sending the registration form along with Demand draft in favor of “Karpagam University” payable at Coimbatore to the Convener on or before 07th August, 2017. Registration fee includes working lunch and refreshments.

REGISTRATION FEES

Students	Rs. 750
Research Scholars	Rs. 1000
Academicians, Scientists	Rs. 1500

(Lodging will be provided to participants in guest house and hotels of their own expense)

RESOURCE PERSONS

1. Dr. V. Gopalakrishnan

Sai Health Centre
Chennai-600045

2. Mr. V. Jayaraman

Assistant Technical Officer
Department of Anatomy
Dr.ALM. PGIBMS., University of Madras
Chennai - 600 113

19.09.2017

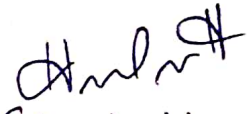
Event Write-up

Workshop on “Routine procedures, handling and care of small experimental animals”

The workshop on “Routine procedures, handling and care of small experimental animals” was organized by the department of Biochemistry in an aim to educate participants on handling on small experimental animals, the ethical principles followed while using such experimental animals such as rats, mice in any experimental design. Knowing the basics of animal handling and care is the need of the hour. Animal ethics is an important objective of the Committee for the Purpose of Control and Supervision on Animals (CPCSEA).

All registered participants assembled at Bharathi Hall and workshop kit and manuals were distributed. An inauguration session was followed by the registration to honour the resource person. The session was chaired by Dr. K. Devaki, Head, Department of Biochemistry. The first session was a lecture by Mr. Jayaraman, Technical Officer, University of Madras on “Introduction to Laboratory animals, Animal nutrition, care and ethics” followed by another lecture by Dr. V. Gopalakrishnan from Sai Health Centre, Chennai on “Perioperative care, anesthesia, surgical techniques and analgesia”. The practical session on handling and restraint of rats and mice were carried out in different batches. Mr. Jeevanandam, Animal house incharge from Sri Ramachandra University, Chennai also joined us as a resource person. Apart from the three mentioned resource persons above, our animal house incharge Ms. Annapoorani was kind enough to assist us in the workshop. Another parallel session with a different set of participants were involved in surgical procedures (ovariectomy).

On the second day (12-Aug-17), a lecture on Institutional Animal Ethical Committee and effective preparation of an animal protocol was given by Dr. L. Hariprasath of Department of Biochemistry. This was followed by the practical sessions. All participants made a visit to our animal house facility, where they were shown how animals are kept and how often their feed and bed materials are changed. The workshop ended with a bunch of new knowledge. Most of the participants thanked the organizing committee and the university authorities for organizing such an informative workshop and wanted to organize similar events in future. Certificates were distributed by Dr. Devaki, Head, Department of Biochemistry. The seminar ended with vote of thanks from the organizing secretary Dr. L. Hariprasath, who thanked the University authorities, Resource persons, participants and ICMR.


(Dr. L. Hariprasath)

Inauguration of the workshop



Glimpses of the animal handling session



Distribution of certificates to the participants



A group photo with experts and participants for remembrance

