

Certificate Program in Animal Research & Experimentation (CARE)



Duration: 15 Days | Format: Hands on Training

Mahavir Cancer Sansthan & Research Centre (MCSRC) in Phulwarisharif, Patna, is a leading, 618-bed charitable cancer hospital in Eastern India inaugurated in 1998. It specializes in comprehensive, affordable cancer care, including radiation, medical and surgical oncology, with a focus on treating economically weaker patients. Animal House of Mahavir Cancer Sansthan & Research Centre, Patna is recognised by CCSEA, Govt. of India (Certificate Number 1129/pO/ReBi/512007/CCSEA) for education and Research purpose. Research Department of Mahavir Cancer Sansthan and Research Centre (MCSRC) Animal House Facility offers a fundamental training and **Certification Program in Animal Research & Experimentation (CARE)**. The program specially designed for students and researcher from any University/Institute and Industry person.

Program Framework

- **Target Audience:** Students/ Faculties/ Scientists
- **Entry Requirement:** Basic cell biology knowledge
- **Certification Type:** Institutional (with practical competency validation)
- **Batch Size:** 10 participants (for optimal hands-on training)

Structured Training Plan

Week-1	Module	Theory Components	Practical Training	Competency Outcome
	Orientation & Fundamentals	About Laboratory Animals	Laboratory visit	Enabling trainees to learn about Animal House
	Good Laboratory Practice: Principles and Applications in Animal Research	Basics of Animal House Maintenance and Management	Handling of Laboratory Animals (Mice & Rat)	Enabling trainee to learn about handling and caring of laboratory animals
	CCSEA/IAEC Regulatory Guidelines	Introduction to Animal ethics: National Guidelines	Handling of Laboratory Animals (Mice & Rat)	Enabling trainee to learn about handling and caring of laboratory animals
	Different Routes of Administration	Introduction to different routes of drug administration	Hands on for different routes of drug administration	Enabling trainee to learn about different routes
	Animal model development for diabetes, obesity, cancer and Heavy metals toxic model	Development for different types of animal model like Diabetic, Cancer model, Heavy metals toxic models	Preparation of diabetic model, Cancer model, Heavy metals toxic models	Enabling trainee to learn Toxicological and pharmaceutical study

	Anaesthesia and Dissection (Mice/Rat)	Principal and Procedure related to Laboratory animal Dissection	Hands on Dissection of Laboratory animal mice and rat	Enabling trainee to learn Dissections of laboratory animals
		SUNDAY		
Week-2	Module	Theory Components	Practical Training	Competency Outcome
	Tissue Harvesting	About animal tissue harvesting process like collection of tissues for research, diagnostic, or therapeutic purposes.	Hands on Harvesting Process	
	Tissue Processing	About Animal Tissue Processing	Hands On Tissue Processing	
	Tissue Molding	About Animal Tissue Molding	Hands on Tissue Molding	
	Tissue Sectioning	About Animal Tissue Sectioning	Hands On Tissue Sectioning Process	
	Tissue Staining	About Animal Tissue Staining	Hands On Tissue Staining Process	
	Tissue Morphology and Identification	About Morphology and Microscopic Identification of Animal Tissues	Hands on Tissue Morphology and Identification	
		SUNDAY		
	Competency based evaluation, Doubt clearance class & Certificate distribution			

Name of the Course: **Certificate Program in Animal Research & Experimentation (CARE)**

Duration of the course: **15 Days**

Mode of the course: **Theory and Practical (Hands-On)**

Eligibility: **Bachelors / Masters (In any branch of Science / Allied Streams)**

Course Fees: **Rs. 6,000/-**

Batch Size: **10 Students per batch**

Programme In-charge: **Dr. Abhinav, Scientist-I & Animal House In-charge**

Documentation & Deliverables: **Training manual (SOP-based), Final assessment report, Certificate issued with institutional seal**

Quality Assurance (Institutional Level): **Standardized SOPs for all steps**

Animal House Facility Mahavir Cancer Santhan and Research Centre (MCSRC) Patna



IAEC INSPECTION OF ANIMAL HOUSE ON 26/12/2024

Person Involved

S.No.	Name	Designation	Contact Information
1.	Dr. Abhinav	Scientist-I Research Centre, MCSRC	9693644232 28abhinav@gmail.com
2.	Dr. Vishal Sinha	Veterinarian	-
3.	Mukesh Kumar	Lab Technician	-
4.	Prashant Kumar	Lab Technician	-
5.	Nagender Ram	Animal House Keeper	-
6.	Nibhash Kumar	Animal House Keeper	-