

# MCCM 2024



## 3 DAYS NATIONAL WORKSHOP METHODS IN CREATING CHEMICAL MODELS OF DISEASE (MCCM-2024)

Theme: Understanding Disease Progression in  
an Animal Model System & Methodologies

**OCT 21-23, 2024**

**ORGANISED BY**

**DEPARTMENT OF BIOCHEMISTRY  
UNIVERSITY OF KERALA  
THIRUVANANTHAPURAM**

BASICS IN ANIMAL HANDLING  
ANIMAL MODEL GENERATION  
STEROTAXIC SURGERY

**DAY  
01**

TALKS BY EMINENT SPEAKERS  
STUDENT PRESENTATIONS  
PITCH TALKS

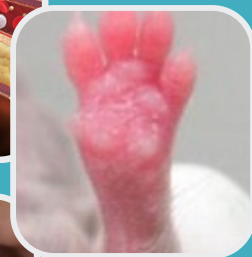
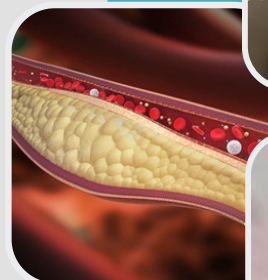
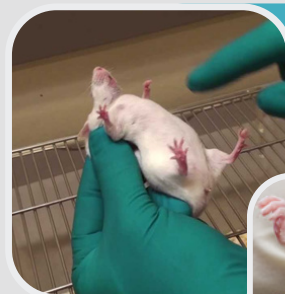
**DAY  
02**

TALKS BY EMINENT SPEAKERS  
B FORM TRAINING  
BIOSTATISTICS  
STUDENT PRESENTATIONS

**DAY  
03**

### WORKSHOP CONTENT

- HANDLING A SMALL EXPERIMENTAL ANIMAL: MOUSE, RAT, RABBIT
- ADMINISTRATION OF DRUGS & OTHER CHEMICALS (INTRAPERITONEAL, SUBCUTANEOUS, ORAL GAVAGE, INTRADERMAL)
- BLOOD COLLECTION TECHNIQUES
- ANESTHESIA & ANALGESIA
- EUTHANASIA & NECROPSY
- CCSEA & PREVENTION OF SMALL ANIMAL CRUELTY
- GENERATION OF ATHEROSCLEROSIS MODEL IN MOUSE, RAT, RABBIT & RECENT TRENDS
- GENERATION OF ARTHRITIS IN SENSITIVE MODELS
- GENERATION OF TYPE 1 & TYPE 2 DIABETIC MODEL SYSTEMS
- GENERATION OF NEURODEGENERATIVE MODELS & RECENT TRENDS
- EXPLORING THE STEREOTAXIC BRAIN SURGERY TECHNIQUE FOR MODEL GENERATION
- APPLICATION OF BIOSTATISTICS IN ANIMAL RESEARCH



### WHO SHOULD PARTICIPATE?

Undergraduates(FYUGP), M.Sc students, Research Scholars,  
Faculty members, Scientists, Working professionals



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## INTENDED LEARNING OUTCOMES

- UNDERSTANDING OF ALL ANIMAL MODELS
- KNOWING MORE ABOUT THE BASICS OF SMALL ANIMAL HANDLING
- COMPREHENDING ETHICAL CONSIDERATIONS & REGULATORY GUIDELINES
- HOW TO WRITE A B FORM?
- ACQUIRE SKILLS TO CALCULATE & ADMINISTER SPECIFIC DOSES OF DRUGS AND CHEMICALS
- APPLY METHODS OF EUTHANASIA & DISPOSAL OF CARCASS
- DEVELOPING ANIMAL MODELS OF DISEASE :ATHEROSCLEROSIS, TYPE 1 & 2 DIABETES, RHEUMATOID ARTHRITIS AND NEURODEGENERATION

## PROFESSIONAL LEARNING DEVELOPMENT

### Package 1 : Workshop + Seminars

Rs. 5000/- + 18% GST = Rs. 5900/-

### Package 2 : Seminars

Rs. 3000/- + 18% GST = Rs. 3540/-

**Accommodation: Additional charges**

**Both packages include lectures, training materials, refreshments, support with B forms**

**Free mentoring on animal handling & research for 1 year**

**Seminar proceedings and full text articles with ISBN Number, travel grants, best paper and poster awards**  
**Best science communication award to students**

### Venues

**Department of Biochemistry**

**CV Raman Hall, CLIF  
Kariavattom Campus**



## FOR REGISTRATION

Click on the link

[MCCM2024 Registration](#)

Account No.: 43241204273

Beneficiary name: Viji Vijayan

Bank name: STATE BANK OF INDIA

Branch: KARYAVATTOM

IFSC code: SBIN0070043

### Last Dates

**Abstract submission: 13 OCT 2024**

**Acceptance notification: 14 OCT 2024**

**Full text confirmation by authors: 15 OCT 2024**

**Registration closes by: 15 OCT 2024**



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## SPEAKERS



**Dr. TV Anil Kumar**  
SCTIMST

**Animal models in  
translational medicine**



**Dr. Jackson James**  
RGCB

**Transgenic animal  
models**



**Dr. Harikrishnan VS**  
SCTIMST

**Behavioural Tests &  
pre-clinical pharmacology  
Animal handling**



**Dr. Sachin Shenoy**  
SCTIMST

**Medical devices  
development**



**Dr. Rashmi Mishra**  
RGCB

**Brain cancer cells**



**Dr. Poonam Thakur**  
IISER, TVPM

**Animal models in  
Parkinson's disease**



**Dr. Rajesh  
Chandramohanadas**  
RGCB

**Small molecule  
interventions & malaria**



**Dr. Evanka Madan**  
Sir Gangaram Hospital  
New Delhi

**Lipid kinase &  
Leshmania**



**Dr. Sakshi Gupta**  
IP Lead, IARI,  
New Delhi

**IPR & Life sciences**



**Dr. Arya Aravind**  
RGCB

**Regulatory frame work  
& B Form training**



**Dr. Saja K**  
University of Kerala

**Atherosclerosis models**



**Dr. PG Biju**  
University of Kerala

**Biostatistics in Animal  
research**



**Dr. Viji Vijayan**  
University of Kerala

**Arthritis &  
neurodegeneration  
models**



**Dr. Aishwarya Lekshman**  
University of Kerala

**Sterotaxic surgery &  
Diabetic models**



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