

# HANDS ON WORKSHOP ON ZEBRAFISH AS EMERGING ALTERNATIVE ANIMAL MODEL IN BIOMEDICAL RESEARCH



Organized by  
Department of Pharmacology, SMVMCH



October 4, 2024



9.00 am to 4.30 pm



Scan to register

<https://forms.gle/ZBK2U7GAqyuqb2Ab6>

**Number of Participants limited to 30**

**First come First serve**

**Venue:**

Department of  
Pharmacology,  
2nd floor, College Block,  
SMVMCH, Puducherry

**Registration Fees**

Online - Rs. 1000

Onspot - Rs. 1500

## **Patrons**

**Shri. M. Dhanasekaran**

Chairman & Managing Director, SMVE Trust

**Dr. K. Narayanaswamy**

Secretary, SMVE Trust

**Er. D. Rajarajan**

Treasurer, SMVE Trust

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**Dr. Kagne R. N**, Deputy Director & Dean, SMVMCH

**Dr. Karthikeyan. K**, Dean (Academic), SMVMCH

**Dr. Sanjay. P**, Dean (Research), SMVMCH

**Dr. Pragash. M**, Medical Superintendent, SMVMCH

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**Dr. Shanthi. M**, Professor & Head

### **Organizing Secretary**

**Dr. Nishanthi. A**, Professor

### **Joint Secretary**

**Dr. Vivek Raj. N**, Assistant Professor

### **Treasurer**

**Dr. Anuranjani. D**, Assistant professor

### **Organizing members**

#### **Faculties:**

**Dr. Kiruba**, Assistant Professor

**Dr. Madhiarasi .M**, Senior Resident

**Dr. Rajaram. P**, Veterinarian

#### **Postgraduates:**

**Dr. Kavitha. B**

**Dr. Surya Kumar. C**

**Dr. Pasumithra. S**

**Dr. Sirpy. P**

Dear Sir/ Madam, We invite you to participate in the National workshop titled "Hands-on workshop on Zebrafish as an emerging alternative animal model in biomedical research". The workshop includes introductory lectures on zebrafish models and hands-on practical sessions on induction of zebrafish models.

## About the workshop

Zebrafish have become a prominent vertebrate model for studying disease pathophysiology and have significantly contributed to phenotype-based drug discovery. By combining the high-throughput capability of in vitro screens with the biological complexity of whole-animal studies, they are valuable in drug development for target identification, disease modeling, lead discovery, and toxicology. Their unique role enhances the efficiency of the drug discovery process and supports therapeutic advancements.

## Objectives

- Demonstrate a hands on method in using zebrafish as a discovery platform
- Make zebrafish models as per the latest industry and research trends
- Read end points from zebrafish model to discover market fit drugs

## Target Audience

Basic science and medical post graduate students, research scholars, faculty and industry delegates

### FOR QUERIES CONTACT:

**Dr. Kavitha. B – 9952095050**

**Dr. Surya Kumar. C – 9677803392**

**Dr. Pasumithra. S – 9600511706**

**Dr. Sirpy. P – 7094530445**

## Registration details

**Registration fees – Rs. 1000**

**Mode of payment – UPI**

**UPI Mobile number: 9677803392**

**Name: Krishna kumar**

**UPI ID: ckrishnakumar31081989@oksbi**



**Scan here to pay**

# Program Schedule

| Time               | Topic  | Faculty  |
|--------------------|--|--|
| 9.00 - 9.15 am     | Registration and pretest                               |  |
| 9.15 - 9.30 am     | Welcome address  | Dr. Shanthi, MD<br>Professor & Head, Department of Pharmacology<br>SMVMCH, Puducherry  |
| 9.30 - 10.30 am    | Alternatives to animal experiment                      | Dr. S. Kavimani, M. Pharm, Ph. D,<br>Professor & Head, Department of Pharmacology<br>Mother Theresa Post Graduate and Research<br>Institute of health Sciences, Puducherry             |
| 10.30 - 10.45 am   | Tea Break  |  |
| 10.45 - 11.30 am   | Zebrafish Husbandry, maintenance, feeding and breeding | Dr. Rajaram, B.V.Sc & A.H., PGDLAS, PGDAW,<br>Tutor & I/C Veterinarian, Department of<br>Pharmacology,<br>SMVMCH, Puducherry   |
| 11.30 - 12.15 pm   | Role of Zebrafish in biomedical research               | Dr. Sunil Santaji Shivekar, M.Sc., Ph. D,<br>Associate Professor, Department of<br>Microbiology<br>SMVMCH, Puducherry  |
| 12.15 - 1 pm       | Disease biology using zebrafish as a model             | Dr. S. Kavimani, M. Pharm, Ph. D   |
| <u>1 - 1.45 pm</u> | Lunch Break  |  |
| 1.45 - 3.45 pm     | Hands on training                                      | Dr. Rajaram &<br>V. Sittarthan, M.Pharm Ph. D<br>Research Scholar, Department of Pharmacology<br>Mother Theresa Post Graduate and Research<br>Institute of health Sciences, Puducherry |
| 3.45 - 4.00 pm     | Tea Break  |  |
| 4.00 - 4.30 pm     | Post test, feedback and Valedictory function           |  |