

### 3. CENTER FOR NEURO-DISEASE RESEARCH (CNDR)



## 3.1 OBJECTIVES

### **Developmental Biology:**

Understanding the processes of embryonic development and organogenesis.

### **Genetics and Genomics:**

Utilizing genetic manipulation techniques (e.g., CRISPR/Cas9) to study gene function.

### **Disease Modeling:**

Using these models to study disease mechanisms and potential treatments.

### **Drug Discovery and Toxicology:**

Screening compounds for therapeutic potential.

Assessing the toxicity and side effects of drugs and environmental toxins.

### **Neuroscience:**

Studying behaviors and neural circuits.

### **Regenerative Medicine:**

Exploring the regenerative capabilities of zebrafish, particularly in tissues like the heart and fin.


### **Evolutionary Biology:**

Comparing zebrafish genetics and development with other species to understand evolutionary conservation and divergence.

## 3.2 Coordinators & Team

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1	Coordinator	Ms. Garima Agarwal	9560347907	garima.agarwal@miet.ac.in
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4	Student Co-convenor	Ms. Priti Sharma	7088986035	

## 3.3 Outcomes

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- 4 Patents granted
  - 3 M. Pharm Dissertation
  - 4 Consultancy Projects
  - 1 PhD work (SRM University)
  - 1 Filed Copyright

**THANK YOU**

