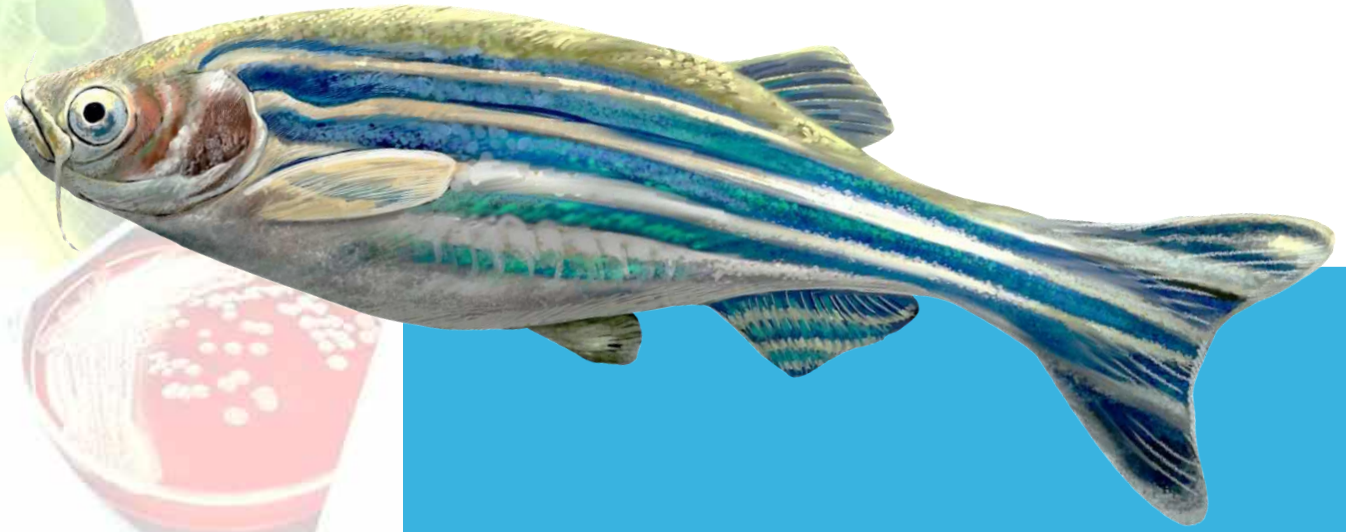
3. CENTER FOR NEURO-DISEASE RESEARCH (CNDR)



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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4	Student Co-convenor	Ms. Priti Sharma	7088986035	

3.3 Outcomes

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

THANK YOU