

Zebrafish as a Model Organism in Type 2 Diabetes Research: A Comprehensive Review

Amit Maity

Department of Pharmaceutics

Centurion University of Technology and Management, Odisha, India

Corresponding Author: Amit Maity

amitmaity946@gmail.com

Abstract: *Zebrafish (Danio rerio) have gained attention as a practical model for studying Type 2 Diabetes Mellitus (T2DM). Their fast development, see-through embryos, and genetic resemblance to humans allow researchers to track metabolic changes directly in living organisms. This review outlines various zebrafish T2DM models, including those created through diet, chemical treatment, and targeted genetic changes. We discuss how these models help explore disease mechanisms and evaluate potential treatments, along with their benefits and limitations, emphasizing their growing role in diabetes research. [2].*

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