Scientists at Pune-based Agharkar Research Institute have identified Zebrafish’s genes that can promote heart regeneration. They have sought to decode the heart regeneration processes, which can illuminate strategies to improve human cardiac regeneration.

Zebrafish is a tiny freshwater fish found in the tropical and subtropical regions. It is native to South Asia’s Indo-Gangetic plains, where they are mostly found in the paddy fields and even in stagnant water and streams. It can regenerate almost all its organs, including the brain, heart, eye, spinal cord within a short time period.

Its unique characteristics lie in its transparency during its embryonic stages, allowing observing all organs. This is why the zebrafish is used as a model organism.