Meeting the Biological Models zebrafish and annual killifish



<image> Yange Angele Ange



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Teleost fish as a developmental biology *model*



The lineage leading to zebrafish (the most known teleost model) diverged 200-300 m.y.a.. This is also observed for other vertebrate models.

Zebrafish had a long history of independent evolution when a large number of *derived* features were acquired.

Therefore, zebrafish can not be considered as more "primitive" or "advanced" than other vertebrate models

Zebrafish has gained the "model status" mainly for practical reasons, and not due to phylogenetic history.









Small size, easily bred in the lab

























Handling fish and breeding embryos





