## was to test the hypothesis that a temporal shift in cyp26b1 expression

the hope that the

VEX5-

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find the applied to **given as a second humans** because of their phylogenetic proximity to humans. An  $\mathbf{A} = \mathbf{A} = \mathbf{A} + \mathbf{A}$ 

tooth development. In published work, manipulations in RA exposure influenced how teeth developed in rats and mice. Additionally, the Jackman lab observed that Zebrafish exposed to exogenous RA grew teeth that were longer and narrower compared to wild-type fish.

Currently, the Jackman lab is focused on learning more about cyp26b1, the only RA-degrading enzyme expressed in zebrafish during tooth development. In an experiment where cyp26b1 levels had been reduced, the Jackman lab observed zebrafish with higher levels of RA and teeth that were narrower and longer than those of their wild-type siblings. The teeth of the mutant zebrafish had a remarkably

