

Color Vision Development in Larval Zebrafish

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Zebrafish, *Danio Rerio*, are a popular animal for study due to a number of factors that make them convenient to work with, including a fast maturation time. Zebrafish are a useful model organism for visual research in part because they have full color vision with 4 distinct cone types, and they have a functioning visual system by 3-4 days post fertilization (dpf). The question that this paper seeks to elucidate is when in their development cycle do zebrafish gain color vision? We will examine a number of papers that fall into four categories of studies: morphological, electroretinogram, visual pigments/opsins, and behavioral. For each we will consider the implications for zebrafish color vision development.