

Explore a natural variation of light/dark preference behavior in zebrafish: Genetic or epigenetic?

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At the population level, larval zebrafish display a natural preference for light. Evidence suggests that this light preference behavior is due to an aversion of the dark and is fear/anxiety-related. In this poster, we will share our recent unpublished data that reveal intriguing individual variation in this behavior. We will discuss the implication of this variation for understanding the genetic underpinnings and co-morbidity of complex behavioral traits such as conditioned place preference for drugs of abuse.