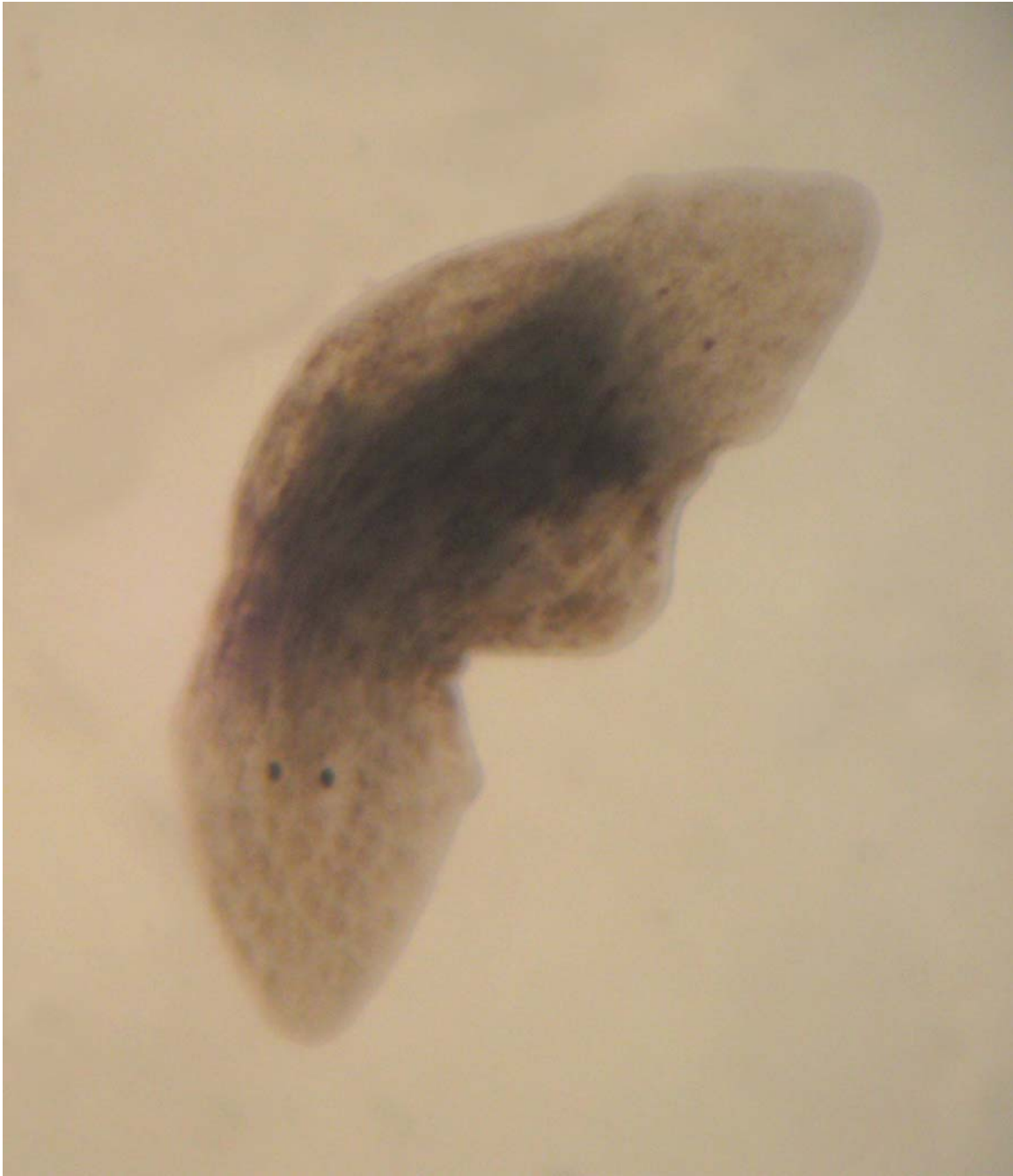


Fernando Meijide, a student in the 2008 Frontiers in Developmental Biology course, obtained a trunk fragment from a planarian after performing two closely apposed transverse amputations. The result from this surgical manipulation is the production of "Janus head" animals as originally reported by T. H. Morgan in 1898. Today, we know that the molecule beta-catenin plays a key role in determining whether a head or a tail will be regenerated in planarians after amputation. [View Movie](#)



By Fernando Meijide
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