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Cover Illustration: Larval instars are a free-swimming aquatic stage of the mosquito life cycle. These larvae feature a robust chemosensory system responsible for navigation, food location, and predator avoidance and have emerged as a “model within a non-model” system for the molecular, cellular, and organismal examination of these processes. In this issue, Liu et al. describe protocols for electrophysiological (doi:10.1101/pdb.prot108020) and behavioral (doi:10.1101/pdb.prot108021) studies of the chemosensory responses of larval-stage Anopheline mosquitoes. The image, which shows late-stage *Anopheles coluzzii* larvae reared in the Zwiebel Lab, was acquired by Joseph Howell and processed by Iain Zwiebel (Vanderbilt University). Image provided by the authors.

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