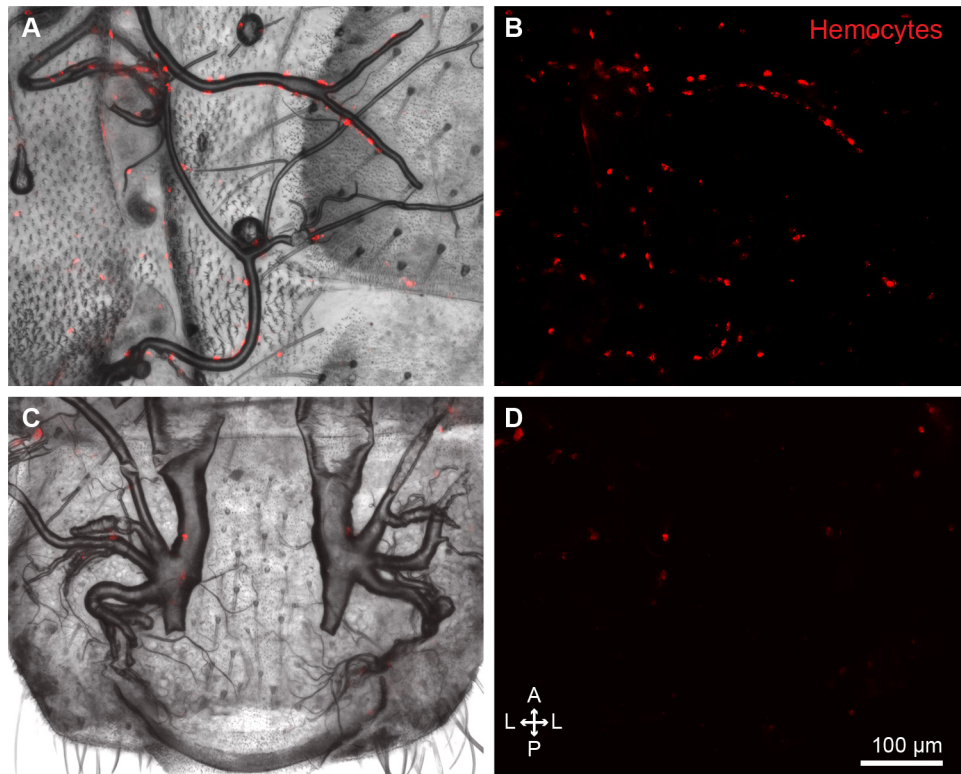


**Functional integration of the circulatory, immune, and respiratory systems in mosquito larvae: pathogen killing in the hemocyte-rich tracheal tufts**

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**Additional File 3: Figure S2. The sessile hemocytes of adults preferentially bind thin trachea. (A-B)** Bright-field overlay (A) and fluorescence (B) images showing hemocytes (CM-DiI; red) bound to thin abdominal trachea. **(C-D)** Bright-field overlay (C) and fluorescence (D) images showing very few hemocytes bound to the large trachea of the 8<sup>th</sup> abdominal segment, which lacks tracheal tufts. Directional arrows: A, anterior; P, posterior; L, lateral.