



**Movie 1. Male *D. melanogaster* chasing dummies painted grey, black, or white.** Videos of example chases are provided. All chases are with a  $1.6 \times 1.6 \times 0.8 \text{ mm}^3$  dummy moving at  $5 \text{ mm s}^{-1}$ . The movie has been sped up 3x.