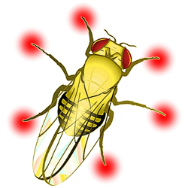
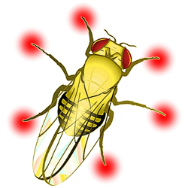
***NeuroGenetics of Locomotion Lab***

***FlyWalker Video Analysis***

1. Open MATLAB.
2. Right-click ***‘FlyWalker\_Month\_Day\_Year’*** and add to path (selected folders and subfolders).
3. Run ***‘FlyWalker.m’*** by pressing F9 or right-clicking.
4. Import video by clicking ***‘Input Directory Path’***, select video folder, and click ***‘Load’***.
5. Select ***‘File/Hexa’*** if it’s a video of an intact fly (default) or ***‘File/Quad’*** if it’s a video of an amputated fly.
6. Measure the fly’s total body length and the center-to-front distance, using the ***‘ruler’***.
7. Go to ***‘Settings’***, change the parameters ***‘Center from front dist’*** and ***‘Fixed body length’*** accordingly, and click ***‘Save as Default’***.
8. Run auto-tracking, by clicking ***‘auto’***. A message will pop when done.
9. Correct the misplaced footprints, center, and front. Click ***‘save’***.
10. Run the evaluation tool by clicking ***‘evaluate’***. A message will pop when done.
11. **DONE! 😊**

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