

Under the Microscope #14 - Fruit fly brain and gut

March 7 2012

PhD student Paola Cognigni shows us this beautiful image of a fruit fly's brain and gut.

Paola Cognigni: “This video shows the anatomical and functional connection between the brain and the [gut](#) in the fruit fly, *Drosophila melanogaster*. This work is carried out in Dr. Irene Miguel-Aliaga’s lab in the Department of Zoology as part of a research project that aims to find and explain the interactions between internal organs and their importance in growth and health.”

The [brain](#) is about 700 microns wide: about the size of a pencil tip.

The image was taken on the Zoology Dept Imaging Facility on a Leica SP5 confocal system.

Under the Microscope is a collection of videos that show glimpses of the natural and man-made world in stunning close-up. They are released every Monday and Thursday and you can see them here: bit.ly/A6bwCE

More information: More info and images: zoo.cam.ac.uk/zoostaff/miguel-aliaga/main.html

Provided by University of Cambridge

Citation: Under the Microscope #14 - Fruit fly brain and gut (2012, March 7) retrieved 28 April 2024 from <https://phys.org/news/2012-03-microscope-fruit-brain-gut.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.