

# Resource Summary Report

Generated by [RRID](#) on Apr 8, 2025

## [FlyPi](#)

RRID:SCR\_021563

Type: Tool

---

### Proper Citation

FlyPi (RRID:SCR\_021563)

---

### Resource Information

**URL:** <https://edspace.american.edu/openbehavior/project/flypi/>

**Proper Citation:** FlyPi (RRID:SCR\_021563)

**Description:** Portal provides open source and affordable microscope experimental setup device based on Raspberry Pi, Arduino microcontroller and off-the-shelf electronic components. System design is based on 3D-printed mainframe, Raspberry Pi computer, and high definition camera system as well as Arduino based optical and thermal control circuits. All functions of FlyPi can be controlled through custom written graphical user interface.

**Resource Type:** instrument resource, data or information resource, portal, project portal

**Defining Citation:** [DOI:10.1371/journal.pbio.2002702](https://doi.org/10.1371/journal.pbio.2002702)

**Keywords:** Instrument, microscope experimental system, Raspberry Pi, Arduino microcontroller, high definition camera system, Arduino, optical control circuits, thermal control circuits, OpenBehavior

**Funding:**

**Availability:** Free, Freely available

**Resource Name:** FlyPi

**Resource ID:** SCR\_021563

**Record Creation Time:** 20220129T080356+0000

**Record Last Update:** 20250407T220620+0000

---

## Ratings and Alerts

No rating or validation information has been found for FlyPi.

No alerts have been found for FlyPi.

---

## Data and Source Information

**Source:** [SciCrunch Registry](#)

---

## Usage and Citation Metrics

We have not found any literature mentions for this resource.