

Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 7, 2026

OpenVape project

RRID:SCR_021485

Type: Tool

Proper Citation

OpenVape project (RRID:SCR_021485)

Resource Information

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

Proper Citation: OpenVape project (RRID:SCR_021485)

Description: Project related to conducting research on effects of nicotine vapor. Provides open source chamber system for rodents to experience regulated nicotine vapor exposure from JUUL electronic cigarette. Vapor exposure apparatus comprised of Arduino Uno microcontroller that relays coded instructions to H-bridge motor controller. H-bridge then sends specific signals to motors that regulate produced vapor sent to exposure chambers.

Synonyms: OpenVape

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

Defining Citation: [DOI:10.1523/eneuro.0279-20.2020](https://doi.org/10.1523/eneuro.0279-20.2020)

Keywords: Regulated nicotine vapor exposure, JUUL electronic cigarette, vapor exposure apparatus, Arduino Uno microcontroller, H-bridge motor controller, exposure chamber, rodent nicotine exposure, OpenBehavior, Instrument

Availability: Free, Available for download, Freely available

Resource Name: OpenVape project

Resource ID: SCR_021485

Alternate URLs: <https://www.khokharlab.com/open-source-file-downloads>

Record Creation Time: 20220129T080355+0000

Record Last Update: 20260905T132940+0000

Ratings and Alerts

No rating or validation information has been found for OpenVape project.

No alerts have been found for OpenVape project.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Jha NA, et al. (2024) Acute nicotine vapor normalizes sensorimotor gating and reduces locomotor activity deficits in HIV-1 transgenic rats. bioRxiv : the preprint server for biology.