

Resource Summary Report

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Opentrons: Opentrons Robot

RRID:SCR_015762

Type: Tool

Proper Citation

Opentrons: Opentrons Robot (RRID:SCR_015762)

Resource Information

URL: <https://opentrons.com/>

Proper Citation: Opentrons: Opentrons Robot (RRID:SCR_015762)

Description: Robot with open source software that allows for configurable robotic science. The robot's primary function is automating pipette functions in biological research in order to save time for research labs.

Abbreviations: OT

Synonyms: OT-One S, OT-One

Resource Type: instrument resource

Keywords: robot, automation, robotic science, configuration, protocol, pipetting, assistive robot, pipette machine, instrument, hardware, equipment

Availability: Commercially available, Available for purchase, Demo available

Resource Name: Opentrons: Opentrons Robot

Resource ID: SCR_015762

Record Creation Time: 20220129T080327+0000

Record Last Update: 20260912T195830+0000

Ratings and Alerts

No rating or validation information has been found for Opentrons: Opentrons Robot.

No alerts have been found for Opentrons: Opentrons Robot.

Data and Source Information

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Diep P, et al. (2026) A family portrait of lanmodulin selectivity for enhanced rare-earth separations. *Nature chemical biology*, 22(5), 829.

Di Napoli T, et al. (2025) Giving new life to an outdated spectrofluorometer for static and time-resolved UCNP optical characterization. *Nanoscale advances*, 7(13), 4214.

Laverick A, et al. (2025) OT-Mation: an open-source code for parsing CSV files into Python scripts for control of OT-2 liquid-handling robotics. *Synthetic biology (Oxford, England)*, 10(1), ysaf009.

Annese D, et al. (2025) Semi-automated workflow for high-throughput *Agrobacterium*-mediated plant transformation. *The Plant journal : for cell and molecular biology*, 122(1), e70118.

Vijgen N, et al. (2025) Predicting the protein corona on nanoparticles using random forest models with nanoparticle, protein, and experimental features. *Nanoscale advances*, 7(18), 5612.

Varga M, et al. (2025) Giving an Enzyme Scissors: Serotonin Derivatives as Potent Organocatalytic Switches for DNA Repair Enzyme OGG1. *Journal of medicinal chemistry*, 68(21), 22455.

Ahsan A, et al. (2024) Screening putative polyester polyurethane degrading enzymes with semi-automated cell-free expression and nitrophenyl probes. *Synthetic biology (Oxford, England)*, 9(1), ysae005.

Wierenga RP, et al. (2023) PyLabRobot: An Open-Source, Hardware Agnostic Interface for Liquid-Handling Robots and Accessories. *bioRxiv : the preprint server for biology*.

Wenzel T, et al. (2023) Open hardware: From DIY trend to global transformation in access to laboratory equipment. *PLoS biology*, 21(1), e3001931.

Sadremomtaz A, et al. (2023) Digital data storage on DNA tape using CRISPR base editors. *Nature communications*, 14(1), 6472.

Bertaux F, et al. (2022) Enhancing bioreactor arrays for automated measurements and reactive control with ReacSight. *Nature communications*, 13(1), 3363.

Cisneros-Mayoral S, et al. (2022) Evolutionary History and Strength of Selection Determine the Rate of Antibiotic Resistance Adaptation. *Molecular biology and evolution*, 39(9).

Oeller M, et al. (2021) An open-source automated PEG precipitation assay to measure the relative solubility of proteins with low material requirement. *Scientific reports*, 11(1), 21932.

Yang L, et al. (2021) Tools for supporting solution scattering during the COVID-19 pandemic. *Journal of synchrotron radiation*, 28(Pt 4), 1237.

Storch M, et al. (2020) DNA-BOT: a low-cost, automated DNA assembly platform for synthetic biology. *Synthetic biology (Oxford, England)*, 5(1), ysaa010.

Florian DC, et al. (2020) Principles of computer-controlled linear motion applied to an open-source affordable liquid handler for automated micropipetting. *Scientific reports*, 10(1), 13663.

Ma AC, et al. (2016) FusX: A Rapid One-Step Transcription Activator-Like Effector Assembly System for Genome Science. *Human gene therapy*, 27(6), 451.