

# 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 (2025) Giving new life to an outdated spectrofluorometer for static and time-resolved UCNP optical characterization.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.

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.

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.

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.

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*.

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

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

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.