

Resource Summary Report

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ADAPT

RRID:SCR_006769

Type: Tool

Proper Citation

ADAPT (RRID:SCR_006769)

Resource Information

URL: <http://bmsr.usc.edu/software/adapt/>

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Description: Software tool as plug-in developed for ImageJ/FIJI platform to automatically detect and analyse cell migration and morphodynamics. Provides whole cell analysis of multiple cells, while also returning data on individual membrane protrusion events.

Abbreviations: ADAPT

Synonyms: Automated Detection and Analysis of ProTrusions

Resource Type: data analysis software, data processing software, software application, software resource

Defining Citation: [DOI:10.1083/jcb.201501081](https://doi.org/10.1083/jcb.201501081)

Keywords: Cell migration analysis, morphodynamics analysis, whole cell analysis

Funding: NIBIB P41-EB001978;
NCRR P41-RR01861

Availability: Acknowledgement requested, Registration required

Resource Name: ADAPT

Resource ID: SCR_006769

Alternate IDs: nlx_152570

Alternate URLs: <https://github.com/djpbarry/Adapt>

Record Creation Time: 20220129T080238+0000

Record Last Update: 20260829T182250+0000

Ratings and Alerts

No rating or validation information has been found for ADAPT.

No alerts have been found for ADAPT.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 603 mentions in open access literature.

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

García-Salazar KS, et al. (2026) Biochar Derived from Agro-Industrial Coconut Shell Waste for the Removal of Aflatoxin B1 Using an In Vitro Model That Considers Buffer Solutions and an In Vitro Avian Digestion Model. *Foods* (Basel, Switzerland), 15(7).

Bhasin M, et al. (2026) Colostrum as a Protective Factor Against Peanut Allergy: Evidence From a Birth Cohort. *Allergy*, 81(2), 552.

Mak HWF, et al. (2026) Bridging Global Disparities in Drug Allergy Through AI-Assisted Training for Non-Specialists: Findings From the Multinational ADAPT-2 Course. *Clinical and experimental allergy : journal of the British Society for Allergy and Clinical Immunology*, 56(2), 137.

Parviz M, et al. (2026) Post-treatment infection prediction in CLL using domain adaptation of lymphoma electronic health records. *Acta oncologica* (Stockholm, Sweden), 65, 109.

Carroll-Portillo A, et al. (2026) Rapid bacteriophage quantification with a particle size analyzer combined with polarization intensity differential scattering (PIDS) detector. *PloS one*, 21(2), e0343131.

Ellis AL, et al. (2026) Adaptation of the multiplexed CRISPR-Cas13 CARMEN RVP assay for longitudinal detection of respiratory pathogens from air samples. *Applied and environmental microbiology*, 92(4), e0211725.

Srivastava S, et al. (2026) Systematic and quantitative analyses of hollow fiber model of Mycobacterium abscessus lung disease studies and new dosing recommendations. *Microbiology spectrum*, 14(6), e0329625.

Byrd MC, et al. (2026) Oral microbiome diversity, community- and taxon-level differences by oral human papillomavirus (HPV) and race/ethnicity. *Infectious agents and cancer*, 21(1).

de Klerk E, et al. (2025) Reviewing identity development in young people living with Type 1 Diabetes Mellitus. *Journal of adolescence*, 97(1), 73.

Koiso T, et al. (2025) In Which Cases Is Additional Direct Surgery Useful for Mechanical Thrombectomy Failure? *Neurologia medico-chirurgica*, 65(5), 255.

Noto N, et al. (2025) Transfer learning across different photocatalytic organic reactions. *Nature communications*, 16(1), 3388.

Sun L, et al. (2025) As a New Tumor Suppressor Gene, PID1 Activates the AMPK-mTOR Signal to Inhibit the Progression of Bladder Cancer. *Research and reports in urology*, 17, 235.

Kir F, et al. (2025) Minimal Physiologically-Based Pharmacokinetic Modeling of Atenolol and Metoprolol Absorption in Malnourished Rats. *European journal of drug metabolism and pharmacokinetics*, 50(3), 251.

Wang X, et al. (2025) Implementation of Guideline-Based Use of Proton Pump Inhibitors for Perioperative Stress Ulcer Prophylaxis: A Pre-Post Study Guided by CFIR-ERIC. *Patient preference and adherence*, 19, 635.

Shuvaev VV, et al. (2025) Systemic delivery of biotherapeutic RNA to the myocardium transiently modulates cardiac contractility in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, 122(29), e2409266122.

Ajide B, et al. (2025) Tongue Swab Xpert MTB/RIF Ultra Testing for Tuberculosis Using a Revised Consensus Protocol: A multi-country diagnostic accuracy study. *medRxiv : the preprint server for health sciences*.

Gao F, et al. (2025) A chemical autonomous robotic platform for end-to-end synthesis of nanoparticles. *Nature communications*, 16(1), 7558.

Liang Y, et al. (2025) Evaluation of Luteolin Nanosuspensions on Pharmacokinetics of Atorvastatin: Drug-Drug Interactions Using Rat Models. *International journal of nanomedicine*, 20, 2557.

Meschenmoser M, et al. (2025) Contrast and luminance dependence of target choice and visual orientation in walking stick insects. *Scientific reports*, 15(1), 12226.

Brahim LO, et al. (2025) The Consolidated Approach to Intervention Adaptation (CLARION): Developing and undertaking an empirically and theoretically driven intervention adaptation. *Implementation science communications*, 6(1), 59.