

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 processing software, data analysis 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: 20260801T042626+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 594 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

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

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.

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.

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

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

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.

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

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*.

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

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.

Heine HS, et al. (2025) Evaluation of a potent LpxC inhibitor for post-exposure prophylaxis treatment of antibiotic-resistant *Burkholderia pseudomallei* in a murine infection model. *Antimicrobial agents and chemotherapy*, 69(1), e0129524.

Kong N, et al. (2025) Machine Learning-Guided Fluid Resuscitation for Acute Pancreatitis Improves Outcomes. *Clinical and translational gastroenterology*, 16(4), e00825.

Eserhaut DA, et al. (2025) Monitoring skeletal muscle oxygen saturation kinetics during graded exercise testing in NCAA division I female rowers. *Frontiers in physiology*, 16, 1538465.

Power-Hays A, et al. (2025) The feasibility of pharmacokinetic-based dosing of hydroxyurea for children with sickle cell anaemia in Uganda: Baseline results of the alternative dosing and prevention of transfusions trial. *British journal of clinical pharmacology*, 91(6), 1865.

Lozano-Goupil J, et al. (2025) Automated analysis of clinical interviews indicates altered head movements during social interactions in youth at clinical high-risk for psychosis. *Schizophrenia (Heidelberg, Germany)*, 11(1), 81.

Horst F, et al. (2025) The research beamlines at the Dresden proton therapy facility: available infrastructure and experimental capabilities. *Frontiers in oncology*, 15, 1594973.

Hajd?? SF, et al. (2025) Supervised exercise-based rehabilitation for people with intermittent claudication-Study protocol for a Danish implementation process (StRiDE). *PloS one*, 20(1), e0315577.

Iu E, et al. (2025) A TRPV4-dependent calcium signaling axis governs lamellipodial actin architecture to promote cell migration. *bioRxiv : the preprint server for biology*.

Anderson AM, et al. (2025) Adapting an Osteoarthritis Peer Mentorship Intervention for Remote Delivery to People Experiencing Socioeconomic Disadvantage: A Multi-Method Approach. *Health expectations : an international journal of public participation in health care and health policy*, 28(2), e70245.

Wilson E, et al. (2025) Adapting a digital quality improvement system (Neotree) for newborn care in primary health centres and community hospitals: a mixed-methods implementation study in Malawi. *Global health action*, 18(1), 2560716.