

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](http://FDI Lab - SciCrunch.org) on Apr 15, 2025

## SMAP

RRID:SCR\_001270

Type: Tool

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### Proper Citation

SMAP (RRID:SCR\_001270)

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### Resource Information

**URL:** <http://www.bioconductor.org/packages/2.14/bioc/html/SMAP.html>

**Proper Citation:** SMAP (RRID:SCR\_001270)

**Description:** Software package providing functions and classes for DNA copy number profiling of array-CGH data.

**Abbreviations:** SMAP

**Synonyms:** SMAP - A Segmental Maximum A Posteriori Approach to Array-CGH Copy Number Profiling

**Resource Type:** software resource

**Defining Citation:** [PMID:18204059](https://pubmed.ncbi.nlm.nih.gov/18204059/)

**Keywords:** copy number variation, microarray, two channel

**Funding:**

**Availability:** GNU General Public License, v2

**Resource Name:** SMAP

**Resource ID:** SCR\_001270

**Alternate IDs:** OMICS\_02068

**Record Creation Time:** 20220129T080206+0000

**Record Last Update:** 20250410T064659+0000

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## Ratings and Alerts

No rating or validation information has been found for SMAP.

No alerts have been found for SMAP.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 166 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Daugird TA, et al. (2024) Correlative single molecule lattice light sheet imaging reveals the dynamic relationship between nucleosomes and the local chromatin environment. *Nature communications*, 15(1), 4178.

Cui Z, et al. (2024) Scutellarin activates IDH1 to exert antitumor effects in hepatocellular carcinoma progression. *Cell death & disease*, 15(4), 267.

Da'dara AA, et al. (2024) Metabolism of FAD, FMN and riboflavin (vitamin B2) in the human parasitic blood fluke *Schistosoma mansoni*. *BMC infectious diseases*, 24(1), 636.

Vafidis D, et al. (2024) Tooth Mg/Ca ratios and Aristotle's lantern morphometrics reflect trophic types in echinoids. *Ecology and evolution*, 14(6), e11251.

Kenny M, et al. (2024) Contractility defects hinder glycoprotein VI-mediated platelet activation and affect platelet functions beyond clot contraction. *Research and practice in thrombosis and haemostasis*, 8(1), 102322.

Shen Z, et al. (2024) Fiber-optic seismic sensing of vadose zone soil moisture dynamics. *Nature communications*, 15(1), 6432.

Jia X, et al. (2024) CLASP-mediated competitive binding in protein condensates directs microtubule growth. *Nature communications*, 15(1), 6509.

Holland KL, et al. (2024) A series of spontaneously blinking dyes for super-resolution microscopy. *bioRxiv : the preprint server for biology*.

Dharmasri PA, et al. (2024) Loss of postsynaptic NMDARs drives nanoscale reorganization of Munc13-1 and PSD-95. *bioRxiv : the preprint server for biology*.

Xia T, et al. (2024) ST-GEARS: Advancing 3D downstream research through accurate spatial information recovery. *Nature communications*, 15(1), 7806.

Graham AM, et al. (2024) Updated Smoke Exposure Estimate for Indonesian Peatland Fires Using a Network of Low-Cost PM2.5 Sensors and a Regional Air Quality Model. *GeoHealth*, 8(11), e2024GH001125.

Karempudi P, et al. (2024) Three-dimensional localization and tracking of chromosomal loci throughout the *Escherichia coli* cell cycle. *Communications biology*, 7(1), 1443.

Tahmouresi MS, et al. (2024) Enhancing spatial resolution of satellite soil moisture data through stacking ensemble learning techniques. *Scientific reports*, 14(1), 25454.

Da'dara AA, et al. (2024) Metabolism of FAD, FMN and riboflavin (vitamin B2) in the human parasitic blood fluke *Schistosoma mansoni*. *bioRxiv : the preprint server for biology*.

Ma Y, et al. (2024) CUL4B mutations impair human cortical neurogenesis through PP2A-dependent inhibition of AKT and ERK. *Cell death & disease*, 15(2), 121.

Kannan RY, et al. (2024) M-Point: A Landmark for Locating the Marginal Mandibular Branch of the Facial Nerve. *Plastic and reconstructive surgery. Global open*, 12(5), e5811.

Avenas A, et al. (2024) Revealing short-term dynamics of tropical cyclone wind speeds from satellite synthetic aperture radar. *Scientific reports*, 14(1), 12808.

Liu D, et al. (2024) Regulatory mechanism of the six-method massage antipyretic process on lipopolysaccharide-induced fever in juvenile rabbits: A targeted metabolomics approach. *Heliyon*, 10(1), e23313.

Arab S, et al. (2024) Integration of Sentinel-1A Radar and SMAP Radiometer for Soil Moisture Retrieval over Vegetated Areas. *Sensors (Basel, Switzerland)*, 24(7).

Müller T, et al. (2024) ThirdPeak is a flexible tool designed for the robust analysis of two- and three-dimensional tracking data. *Communications biology*, 7(1), 1683.