

Resource Summary Report

Generated by SPARC SAWG on Aug 11, 2026

PUMA

RRID:SCR_002057

Type: Tool

Proper Citation

PUMA (RRID:SCR_002057)

Resource Information

URL: <http://www.bioinf.manchester.ac.uk/resources/puma/>

Proper Citation: PUMA (RRID:SCR_002057)

Description: Software program for developing probabilistic models for the analysis of microarray data.

Abbreviations: PUMA

Synonyms: Propagating Uncertainty in Microarray Analysis (PUMA), Propagating Uncertainty in Microarray Analysis

Resource Type: simulation software, software application, software resource

Defining Citation: [PMID:19589155](#), [DOI:10.1186/1471-2105-10-211](#)

Keywords: microarray, bioinformatics, probability model

Funding: BBSRC

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: PUMA

Resource ID: SCR_002057

Alternate IDs: nif-0000-12498

Record Creation Time: 20220129T080211+0000

Record Last Update: 20260810T040321+0000

Ratings and Alerts

No rating or validation information has been found for PUMA.

No alerts have been found for PUMA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 710 mentions in open access literature.

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

Miao Y, et al. (2026) Combinational Inhibition of the eIF4F Complex, AKT1, and EZH2 Enhances Anticancer Effects in BRAFV600E Mutant A375 Melanoma Cells. *Oncology research*, 34(3), 18.

Wang J, et al. (2026) The river erosion and deposition algorithm with adaptive search dynamics for balancing exploration and exploitation. *Scientific reports*, 16(1).

Ojala VK, et al. (2026) Recurrent cancer-associated ERBB4 mutations are transforming and confer resistance to targeted therapies. *Molecular oncology*, 20(5), 1323.

Grozovsky R, et al. (2026) Platelet aging and desialylation increase apoptotic priming and BCL-XL dependence. *Cell death & disease*, 17(1), 13.

Ding Y, et al. (2026) SLC2A3-Mediated Lactate Metabolism Promotes Lung Cancer Bone Metastasis by Modulating P53 Lactylation and Immune Evasion. *Advanced science* (Weinheim, Baden-Wurtemberg, Germany), 13(22), e16622.

Hernández-Urbina CF, et al. (2026) Biological and environmental determinants in the structuring of ectoparasites in wild carnivores and rodents in central Chihuahua, Mexico. *Parasitology research*, 125(1), 24.

Chen YC, et al. (2025) MiR221/222 in the conditioned medium of adipose-derived stem cells attenuates particulate matter and high-fat diet-induced cardiac apoptosis. *Stem cell research & therapy*, 16(1), 285.

Pick G, et al. (2025) Acceptance of Evidence Transfer Within German Early Benefit Assessment of New Drugs for Pediatric and Adolescents Target Populations. *PharmacoEconomics*, 43(5), 521.

Philson CS, et al. (2025) Social security: individuals in socially reciprocal groups may perceive security from predators. *Behavioral ecology : official journal of the International Society for Behavioral Ecology*, 36(2), araf008.

Lan T, et al. (2025) Enhancing inbreeding estimation and global conservation insights through chromosome-level assemblies of the Chinese and Malayan pangolin. *GigaScience*, 14.

- Anton CB, et al. (2025) Distance, weather, and forage conditions drive timing of autumn migration in female mule deer. *Movement ecology*, 13(1), 10.
- Júnior OF, et al. (2025) Non-human primates as indicators of Kinetoplastida diversity in an urban environment in Midwest Brazil. *Frontiers in parasitology*, 4, 1547701.
- Rutherford KL, et al. (2025) Elk and Deer Habituate to Stationary Deterrents in an Agricultural Landscape. *Ecology and evolution*, 15(7), e71752.
- Antolová D, et al. (2025) Prevalence of intestinal parasites in owned and shelter cats in Slovakia and felines from Slovak Zoos: A three-year survey with special focus on *Toxoplasma gondii*. *Current research in parasitology & vector-borne diseases*, 8, 100294.
- Schnabel JL, et al. (2025) IMPDH inhibition induces DNA replication stress and ATR sensitivity in Merkel cell carcinoma. *iScience*, 28(6), 112567.
- Wang J, et al. (2025) Data-driven universal insights into tumorigenesis via hallmark networks. *NPJ systems biology and applications*, 11(1), 131.
- Benson JF, et al. (2025) Intrinsic and environmental drivers of pairwise cohesion in wild *Canis* social groups. *Ecology*, 106(1), e4492.
- Gentili M, et al. (2025) miRNA-mRNA network analysis identifies PAX5 as a potential regulator of adaptive immune response in COPD. *bioRxiv : the preprint server for biology*.
- Gaynor KM, et al. (2025) The influence of human presence and footprint on animal space use in US national parks. *Proceedings. Biological sciences*, 292(2051), 20251013.
- Lozano-Forero A, et al. (2025) Performance study of a new diagnostic questionnaire for (Chronic obstructive pulmonary -disease) COPD with information on exposure to wood smoke, COPD-WS. *Multidisciplinary respiratory medicine*, 20(1).