Resource Summary Report

Generated by dkNET on Aug 16, 2026

Cascade

RRID:SCR_005861
Type: Tool

Proper Citation

Cascade (RRID:SCR_005861)

Resource Information

URL: http://www-math.u-strasbg.fr/genpred/spip.php?article3

Proper Citation: Cascade (RRID:SCR_005861)

Description: R software package to study, predict and simulate the diffusion of a signal through a temporal gene network. It predicts changes in gene expressions after a biological perturbation in the network and provides graphical outputs that allow monitoring the spread of a signal through the network., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Abbreviations: Cascade

Resource Type: software resource

Defining Citation: PMID:24307703

Keywords: r, windows, gene expression, perturbation, network, diffusion, signal, temporal gene network, gene regulatory network, gene, bio.tools

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: Cascade

Resource ID: SCR_005861

Alternate IDs: OMICS_02249, biotools:cascade

Alternate URLs: http://www-math.u-strasbg.fr/genpred/spip.php?rubrique4, https://bio.tools/cascade

Record Creation Time: 20220129T080232+0000

Record Last Update: 20260815T182318+0000

Ratings and Alerts

No rating or validation information has been found for Cascade.

No alerts have been found for Cascade.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 92 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Dabbous-Wach A, et al. (2025) Quantification of ?-Acids, ?-Acids, and Phenolic Compounds in Corsican Hops Using LC-MS/MS and Metabolomic Approach Through Molecular Networks. Phytochemical analysis : PCA, 36(2), 438.

Taranenko D, et al. (2025) A census of anti-CRISPR proteins reveals AcrIE9 as an inhibitor of Escherichia coli K12 Type IE CRISPR-Cas system. bioRxiv : the preprint server for biology.

, et al. (2025) Prevalence, trends and outcomes from smoking in elective surgical systems: a secondary analysis of a prospective observational cohort study across 442 hospitals from 29 countries across Europe. The Lancet regional health. Europe, 53, 101282.

Rupprecht P, et al. (2025) Spike rate inference from mouse spinal cord calcium imaging data. The Journal of neuroscience : the official journal of the Society for Neuroscience, 45(18).

Kelleher B, et al. (2025) Optimizing a Personalized Health Approach for Virtually Treating High-Risk Caregivers of Children With Neurogenetic Conditions (Project WellCAST): Protocol for a Randomized Controlled Trial. JMIR research protocols, 14, e64360.

Rezene F, et al. (2025) Gender equality in leadership of HIV care cascade clinical trials: A methodological study. HIV medicine, 26(9), 1356.

Fernández de la Puebla M, et al. (2025) IP3R2-Mediated Astrocytic Ca2+ Transients Are Critical to Sustain Modulatory Effects of Locomotion on Neurons in Mouse Somatosensory Cortex. Cells, 14(14).

Buchan E, et al. (2025) Advanced Multipurpose Spectroscopic Nanobio-Device for Concurrent Lab-on-a-Chip Label-Free Separation and Detection of Extracellular Vesicles as Key-Biomarkers for Point-of-Care Cardiovascular Disease Diagnostics. Advanced healthcare materials, 14(21), e2500122.

Rupprecht P, et al. (2025) Spike rate inference from mouse spinal cord calcium imaging data. bioRxiv : the preprint server for biology.

Tutty E, et al. (2025) 'Finding Comfort in Discomfort': A Qualitative Study of Cancer Clinicians and Researchers' Experiences of Conducting a Cancer Rapid Autopsy Program. Psycho-oncology, 34(5), e70175.

Zhao Q, et al. (2025) Cost-effectiveness analysis of depression case finding followed by alerting patients and their GPs among older adults in northern England: results from a regression discontinuity study. BJPsych open, 11(4), e125.

Hu B, et al. (2025) Representational learning by optimization of neural manifolds in an olfactory memory network. Research square.

Heiser H, et al. (2025) Brain-wide microstrokes affect the stability of memory circuits in the hippocampus. Nature communications, 16(1), 3462.

Pandey N, et al. (2025) Cas11 augments Cascade functions in type I-E CRISPR system but is redundant for gene silencing and plasmid interference. The Biochemical journal, 482(12), 793.

Zhou Z, et al. (2024) Membrane Associated RNA-Containing Vesicles Regulate Cortical Astrocytic Microdomain Calcium Transients in Awake Ischemic Stroke Mice. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 11(46), e2404391.

Rehman N, et al. (2024) Measures of retention in HIV care: A protocol for a mixed methods study. PloS one, 19(2), e0294824.

Cui K, et al. (2024) Dominant activities of fear engram cells in the dorsal dentate gyrus underlie fear generalization in mice. PLoS biology, 22(7), e3002679.

Kelleher BL, et al. (2024) CASCADE: A Community-Engaged Action Model for Generating Rapid, Patient-Engaged Decisions in Clinical Research. Research square.

Zeng YF, et al. (2024) Conjunctive encoding of exploratory intentions and spatial information in the hippocampus. Nature communications, 15(1), 3221.

Sajed T, et al. (2024) Accurate Prediction of 1H NMR Chemical Shifts of Small Molecules Using Machine Learning. Metabolites, 14(5).