Resource Summary Report

Generated by Kravitz on Sep 16, 2026

ROSIE

RRID:SCR_018764
Type: Tool

Proper Citation

ROSIE (RRID:SCR_018764)

Resource Information

URL: https://rosie.graylab.jhu.edu/docking2

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Description: Unified web framework for Rosetta applications. Web interface for selected Rosetta protocols. Web front end for Rosetta software suite. Provides common user interface for Rosetta protocols, stable application programming interface for developers to add additional protocols, flexible back-end to allow leveraging of computer cluster resources shared by Rosetta Commons member institutions, and centralized administration by Rosetta Commons to ensure continuous maintenance. Offers general and speedy paradigm for serverification of Rosetta applications. Lowers barriers to Rosetta use for broader biological community.

Abbreviations: ROSIE

Synonyms: Rosetta Online Server that Includes Everyone

Resource Type: application programming interface, data access protocol, software resource, web application

Defining Citation: PMID:23717507

Keywords: Web interface for Rosetta, Rosetta online server, Rosetta application serverification, Rosetta user interface

Funding: Howard Hughes Medical and Institute International Student Research Fellowship ;
NCI U54 CA143907;
NCRR R00 RR024107;
NEI PN2 EY016586;
NIGMS R01 GM073151;
NIGMS R01 GM07822;
NIGMS R21 GM102716;

NIGMS T32 GM 88118;
NSF ;
Taiwan Governmental Scholarship for Study Abroad

Availability: Restricted

Resource Name: ROSIE

Resource ID: SCR_018764

Alternate URLs: https://rosie.rosettacommons.org/

Record Creation Time: 20220129T080341+0000

Record Last Update: 20260912T195905+0000

Ratings and Alerts

No rating or validation information has been found for ROSIE.

No alerts have been found for ROSIE.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Wang Y, et al. (2025) A unique mechanism of snRNP core assembly. Nature communications, 16(1), 3166.

Olenginski LT, et al. (2025) Designing small molecules targeting a cryptic RNA binding site through base displacement. Nature chemical biology.

Krapež G, et al. (2025) In Vitro Functional Validation of an Anti-FREM2 Nanobody for Glioblastoma Cell Targeting. Antibodies (Basel, Switzerland), 14(1).

Xi C, et al. (2024) Manipulating the molecular specificity of transcriptional biosensors for tryptophan metabolites and analogs. Cell reports. Physical science, 5(10).

Lima CP, et al. (2024) A Dual Strategy-In Vitro and In Silico-To Evaluate Human Antitetanus mAbs Addressing Their Potential Protective Action on TeNT Endocytosis in Primary Rat Neuronal Cells. International journal of molecular sciences, 25(11).

Das NK, et al. (2024) Structural basis for a highly conserved RNA-mediated enteroviral genome replication. Nucleic acids research, 52(18), 11218.

Nieto-Fabregat F, et al. (2024) Computational toolbox for the analysis of protein-glycan interactions. Beilstein journal of organic chemistry, 20, 2084.

Yunaini L, et al. (2023) In silico docking analysis of beta-defensin 20 against cation channel sperm-associated protein 1-4 to predict its role in the sperm maturation. Asian journal of andrology, 25(4), 528.

França RKAO, et al. (2022) New Anti-Flavivirus Fusion Loop Human Antibodies with Zika Virus-Neutralizing Potential. International journal of molecular sciences, 23(14).

Solorza J, et al. (2021) Effects of Interleukin-1? in Glycinergic Transmission at the Central Amygdala. Frontiers in pharmacology, 12, 613105.