

Resource Summary Report

Generated by SPARC SAWG on Sep 19, 2026

Reflect

RRID:SCR_002714

Type: Tool

Proper Citation

Reflect (RRID:SCR_002714)

Resource Information

URL: <http://reflect.embl.de/>

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Description: Web service that tags gene, protein, and small molecule names in any web page. Clicking on a tagged term opens a small popup showing summary information, and allows the user to quickly link to more detailed information. For each protein or gene, Reflect provides domain structure, sub-cellular localization, 3D structure, and interaction partners. For small molecules, it provides the chemical structure and interaction partners. Reflect can be installed as a plugin to Firefox or Internet Explorer, or can be used by entering a URL in the field provided. It can also be accessed programmatically via a REST or SOAP API, and a Reflect button can easily be added to any web page using Javascript or using a CGI proxy. Reflect was first-prize winner out of over 70 submissions in the Elsevier Grand Challenge, an international competition for systems that improve the way scientific information is communicated and used. Reflect can be edited and improved by the community.

Abbreviations: Reflect

Synonyms: Reflect: Protein small molecules

Resource Type: data access protocol, software application, software resource, web service

Defining Citation: [PMID:19513049](#)

Keywords: text mining, semantic mark up, gene, protein, computational linguistics, small molecule, domain structure, sub-cellular localization, 3d structure, interaction, chemical structure

Resource Name: Reflect

Resource ID: SCR_002714

Alternate IDs: nif-0000-23349, OMICS_01196

Old URLs: <http://reflect.ws/>

Record Creation Time: 20220129T080214+0000

Record Last Update: 20260912T195545+0000

Ratings and Alerts

No rating or validation information has been found for Reflect.

No alerts have been found for Reflect.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 88 mentions in open access literature.

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

Ndirangu K, et al. (2025) An Indirect Treatment Comparison of Lenvatinib for the First-Line Treatment of Patients with Unresectable Hepatocellular Carcinoma. *Advances in therapy*, 42(2), 977.

Nikolaeva AS, et al. (2025) Occurrence of aneuploidy across the range of coast redwood (*Sequoia sempervirens*). *G3 (Bethesda, Md.)*, 15(5).

Sergott RC, et al. (2025) Predictors of Final Visual Outcome in Patients With Leber Hereditary Optic Neuropathy Treated With Lenadogene Nolpharvovec Gene Therapy. *Investigative ophthalmology & visual science*, 66(9), 42.

Morin SA, et al. (2025) Seeing the Invisible Resiliency (STIR): Chronic Autoimmune Conditions and Post-Secondary Education Experiences in Young Adulthood. *Health expectations : an international journal of public participation in health care and health policy*, 28(4), e70332.

Yang R, et al. (2025) Application of peritumoral radiomics based on simulated positioning CT images in the prognosis of intermediate-advanced esophageal cancer. *Scientific reports*, 15(1), 11865.

Marotte H, et al. (2025) Real-World Effectiveness and Safety of Infliximab Biosimilar CT-P13 for Rheumatic Diseases: A National Observational Cohort Study (ReFLECT). *Advances in therapy*, 42(9), 4659.

You T, et al. (2025) A highly annotated drug combination resource for catalyzing precision combinatorial therapy. *Scientific data*, 12(1), 1284.

Chen BS, et al. (2025) Rasch analysis of the NEI-VFQ-25: vision-related quality of life in Leber hereditary optic neuropathy after lenadogene nolpharvovec gene therapy. *BMJ open ophthalmology*, 10(1).

Waugh EB, et al. (2025) What do Aboriginal people in the Northern Territory value during the operation journey? A qualitative study. *The Medical journal of Australia*, 223(1), 30.

Mu G, et al. (2025) MSBKA: A Multi-Strategy Improved Black-Winged Kite Algorithm for Feature Selection of Natural Disaster Tweets Classification. *Biomimetics (Basel, Switzerland)*, 10(1).

Kim M, et al. (2025) Optimizing and Testing an Individualized and Adaptive Physical Activity Digital Health Intervention: Protocol for a Control Optimization Trial Embedded Within a Randomized Controlled Trial. *JMIR research protocols*, 14, e70599.

Amin S, et al. (2025) Evaluating the impact of faculty development programs at the workplace by using reflective critique writing technique. *BMC medical education*, 25(1), 43.

Liao W, et al. (2024) Potential impact of climatic factors on the distribution of *Graphium sarpedon* in China. *Ecology and evolution*, 14(2), e10858.

Rahm T, et al. (2024) Teaching happiness to students - implementation and evaluation of a program aiming at promoting wellbeing in elementary schools. *Frontiers in psychology*, 15, 1289876.

Shafian S, et al. (2024) The feedback dilemma in medical education: insights from medical residents' perspectives. *BMC medical education*, 24(1), 424.

Pieles GE, et al. (2024) Biventricular responses to exercise and their relation to cardiorespiratory fitness in pediatric pulmonary hypertension. *American journal of physiology. Heart and circulatory physiology*, 327(4), H749.

Dalapati T, et al. (2024) Development of a curricular thread to foster medical students' critical reflection and promote action on climate change, health, and equity. *PloS one*, 19(5), e0303615.

Piekarczyk M, et al. (2024) On the Search for Potentially Anomalous Traces of Cosmic Ray Particles in Images Acquired by Cmos Detectors for a Continuous Stream of Emerging Observational Data. *Sensors (Basel, Switzerland)*, 24(6).

Janssen L, et al. (2024) Reflect to interact - fostering medical students' communication through reflection-focused e-learning. *BMC medical education*, 24(1), 541.

Al-Jamili O, et al. (2024) Evaluating the efficacy of computer games-based learning intervention in enhancing English speaking proficiency. *Heliyon*, 10(16), e36440.