

Resource Summary Report

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Nextflow

RRID:SCR_024135

Type: Tool

Proper Citation

Nextflow (RRID:SCR_024135)

Resource Information

URL: <https://github.com/nextflow-io/nextflow>

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Description: Software workflow manager that enables development of portable and reproducible workflows. Supports deploying workflows on variety of execution platforms including local, HPC schedulers, AWS Batch, Google Cloud Life Sciences, and Kubernetes. Provides support to manage workflow dependencies through built-in support for Conda, Spack, Docker, Podman, Singularity, Modules, and more.

Synonyms: nextflow

Resource Type: data processing software, software application, software resource, workflow software

Defining Citation: [PMID:28398311](#)

Keywords: development of portable and reproducible workflows, deploying workflows, manage workflow dependencies,

Availability: Free, Available for download, Freely available,

Resource Name: Nextflow

Resource ID: SCR_024135

Old URLs: <https://sources.debian.org/src/nextflow/>, <https://nextflow.io/>

License: Apache-2.0 license

Record Creation Time: 20230824T050212+0000

Record Last Update: 20260821T194249+0000

Ratings and Alerts

No rating or validation information has been found for Nextflow.

No alerts have been found for Nextflow.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 138 mentions in open access literature.

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

Dickmanken H, et al. (2026) Evaluating single-cell ATAC-seq atlasing technologies using sequence-to-function modeling. *Nature communications*, 17(1).

Sævarsson T, et al. (2026) Enhanced IFN γ response in dedifferentiated melanoma cells is due to chromatin remodeling as revealed by ATAC-seq. *Cell communication and signaling : CCS*, 24(1).

Bruno V, et al. (2026) Unlocking personalized endometrial cancer treatment: the critical role of the BBIRE biobank in sample collection and distribution. *Frontiers in molecular biosciences*, 13, 1748347.

Hang JF, et al. (2026) Out-of-frame CBX3::ALK fusion drives ALK activation and therapy response. *Cell reports. Medicine*, 7(4), 102697.

Simmons SK, et al. (2026) Experimental and computational methods for allelic imbalance analysis from single-nucleus RNA-seq data. *Genome biology*, 27(1).

Menezes-Silva L, et al. (2026) Hormonal rewiring of immunity during dietary restriction ensures host defense and systemic glucose conservation. *Immunity*, 59(3), 700.

Fletcher C, et al. (2025) The genome sequence of the European smelt, *Osmerus eperlanus* (Linnaeus, 1758). *Wellcome open research*, 10, 118.

Mitchell R, et al. (2025) The genome sequence of a soldier beetle, *Malthinus seriepunctatus* Kiesenwetter, 1851. *Wellcome open research*, 10, 80.

Hutchinson F, et al. (2025) The genome sequence of the Maple Pug moth, *Eupithecia inturbata* (Hübner, 1817). *Wellcome open research*, 10, 141.

Willink B, et al. (2025) The genome sequence of the Tropical Bluetail Damselfly, *Ischnura senegalensis* (Rambur, 1842). *Wellcome open research*, 10, 104.

Falk S, et al. (2025) The genome sequence of the Coppice Mining Bee, *Andrena helvola* (Linnaeus, 1758). *Wellcome open research*, 10, 102.

Wangwiwatsin A, et al. (2025) The genome sequence of the liver fluke *Opisthorchis viverrini* (Poirier, 1886) Stiles & Hassall, 1896. Wellcome open research, 10, 1.

Sivell D, et al. (2025) The genome sequence of a carabid beetle, *Carabus problematicus* Herbst, 1786. Wellcome open research, 10, 59.

Crowley LM, et al. (2025) The genome sequence of a snail-killing fly, *Dichetophora oblitterata* (Fabricius, 1805). Wellcome open research, 10, 176.

Sivell D, et al. (2025) The genome sequence of the click beetle, *Ampedus sanguinolentus sanguinolentus* (Schränk, 1776). Wellcome open research, 10, 96.

Boyce D, et al. (2025) The genome sequence of the Warty Knot-Horn moth, *Acrobasis repandana* Fabricius, 1798. Wellcome open research, 10, 50.

Sivell O, et al. (2025) The genome sequence of the Small Red Damselfly, *Ceragrion tenellum* (de Villiers, 1789). Wellcome open research, 10, 79.

Geiser MF, et al. (2025) The genome sequence of a flea beetle, *Neocrepidodera transversa* (Marsham, 1802). Wellcome open research, 10, 62.

Crowley LM, et al. (2025) The genome sequence of a chironomid fly, *Chironomus tentans* Fabricius, 1805. Wellcome open research, 10, 133.

O'Brien MF, et al. (2025) The genome sequence of the Common Pochard, *Aythya ferina* (Linnaeus, 1758). Wellcome open research, 10, 152.