

# Resource Summary Report

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## Oncotator

RRID:SCR\_005183

Type: Tool

### Proper Citation

Oncotator (RRID:SCR\_005183)

### Resource Information

**URL:** <http://www.broadinstitute.org/cancer/cga/oncotator>

**Proper Citation:** Oncotator (RRID:SCR\_005183)

**Description:** A tool for annotating human genomic point mutations and indels with data relevant to cancer researchers. Genomic Annotations, Protein Annotations, and Cancer Annotations are aggregated from many resources. A standalone version of Oncotator is being developed.

**Abbreviations:** Oncotator

**Resource Type:** analysis service resource, data analysis service, service resource, production service resource

**Keywords:** annotate, genomic, point mutation, indel, mutation, genome, protein, variant

**Related Condition:** Cancer

**Funding:**

**Resource Name:** Oncotator

**Resource ID:** SCR\_005183

**Alternate IDs:** OMICS\_00178

**Record Creation Time:** 20220129T080228+0000

**Record Last Update:** 20250409T060431+0000

## Ratings and Alerts

No rating or validation information has been found for Oncotator.

No alerts have been found for Oncotator.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 202 mentions in open access literature.

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

Liu X, et al. (2024) Tumor phylogeography reveals block-shaped spatial heterogeneity and the mode of evolution in Hepatocellular Carcinoma. *Nature communications*, 15(1), 3169.

Zhang J, et al. (2024) Tet methylcytosine dioxygenase 2 (TET2) deficiency elicits EGFR-TKI (tyrosine kinase inhibitors) resistance in non-small cell lung cancer. *Signal transduction and targeted therapy*, 9(1), 65.

Díaz-Gay M, et al. (2024) The mutagenic forces shaping the genomic landscape of lung cancer in never smokers. *medRxiv : the preprint server for health sciences*.

Chang Y, et al. (2024) CapHLA: a comprehensive tool to predict peptide presentation and binding to HLA class I and class II. *Briefings in bioinformatics*, 26(1).

Choudhury AD, et al. (2024) Randomized Phase II Study Evaluating the Addition of Pembrolizumab to Radium-223 in Metastatic Castration-resistant Prostate Cancer. *Cancer immunology research*, 12(6), 704.

Zou H, et al. (2024) Dynamic monitoring of circulating tumor DNA reveals outcomes and genomic alterations in patients with relapsed or refractory large B-cell lymphoma undergoing CAR T-cell therapy. *Journal for immunotherapy of cancer*, 12(3).

Czerniak B, et al. (2024) Inferring Bladder Cancer Evolution from Mucosal field Effects by Whole-Organ Spatial Mutational, Proteomic, and Metabolomic Mapping. *Research square*.

Yang Z, et al. (2024) Genomic characteristics and immune landscape of super multiple primary lung cancer. *EBioMedicine*, 101, 105019.

Qian L, et al. (2024) Proteomic landscape of epithelial ovarian cancer. *Nature communications*, 15(1), 6462.

Ohara K, et al. (2024) The evolution of metastatic upper tract urothelial carcinoma through

genomic-transcriptomic and single-cell protein markers analysis. *Nature communications*, 15(1), 2009.

Fléchon L, et al. (2024) Genomic profiling of mycosis fungoides identifies patients at high risk of disease progression. *Blood advances*, 8(12), 3109.

Meuser E, et al. (2024) PIGA Mutations and Glycosylphosphatidylinositol Anchor Dysregulation in Polyposis-Associated Duodenal Tumorigenesis. *Molecular cancer research : MCR*, 22(6), 515.

Pan JW, et al. (2024) Gene expression signature for predicting homologous recombination deficiency in triple-negative breast cancer. *NPJ breast cancer*, 10(1), 60.

Cheong TC, et al. (2024) Mechanistic patterns and clinical implications of oncogenic tyrosine kinase fusions in human cancers. *Nature communications*, 15(1), 5110.

Walton J, et al. (2024) PRMT1 inhibition perturbs RNA metabolism and induces DNA damage in clear cell renal cell carcinoma. *Nature communications*, 15(1), 8232.

Tarantino G, et al. (2024) Genomic heterogeneity and ploidy identify patients with intrinsic resistance to PD-1 blockade in metastatic melanoma. *Science advances*, 10(48), eadp4670.

Chen J, et al. (2024) Memory/Active T-Cell Activation Is Associated with Immunotherapeutic Response in Fumarate Hydratase-Deficient Renal Cell Carcinoma. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 30(11), 2571.

Nokin MJ, et al. (2024) RAS-ON inhibition overcomes clinical resistance to KRAS G12C-OFF covalent blockade. *Nature communications*, 15(1), 7554.

Zhao X, et al. (2024) Clinicopathological characteristics and genomic profiling in patients with transformed lymphoma: a monocentric retrospective study. *Annals of medicine*, 56(1), 2419556.

Darbandsari A, et al. (2024) AI-based histopathology image analysis reveals a distinct subset of endometrial cancers. *Nature communications*, 15(1), 4973.