Resource Summary Report

Generated by Kravitz on Sep 10, 2026

Tronolab

RRID:SCR_008580
Type: Tool

Proper Citation

Tronolab (RRID:SCR_008580)

Resource Information

URL: http://tronolab.epfl.ch

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Description: Retroelements constitute important evolutionary forces for the genome of higher organisms, yet their uncontrolled spread, whether from endogenous loci or within the context of viral infections, can cause diseases such as cancer, hepatitis and AIDS. Correspondingly, a variety of host-encoded activities limit this process, belonging to a line of defense commonly called intrinsic or innate immunity, which notably contributes to taming endogenous retroelements and to restricting the cross-species transmission of retroviruses. Our work aims at characterizing the relationship between retroelements and their hosts, which has recently led us to become more generally interested in epigenetic mechanisms regulating the expression of mammalian genomes.

Synonyms: Tronolab

Resource Type: data or information resource, organization portal, portal

Resource Name: Tronolab

Resource ID: SCR_008580

Alternate IDs: nif-0000-31881

Record Creation Time: 20220129T080248+0000

Record Last Update: 20260905T133044+0000

Ratings and Alerts

No rating or validation information has been found for Tronolab.

No alerts have been found for Tronolab.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 75 mentions in open access literature.

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

Ghezzi B, et al. (2025) NAMPT and NNMT released via extracellular vesicles and as soluble mediators are distinguished traits of BRAF inhibitor resistance of melanoma cells impacting on the tumor microenvironment. Cell communication and signaling : CCS, 23(1), 348.

Forey R, et al. (2025) Cancer cells subvert the primate-specific KRAB zinc finger protein ZNF93 to control APOBEC3B. Proceedings of the National Academy of Sciences of the United States of America, 122(34), e2505021122.

S Mesquita F, et al. (2025) Identification of a lipid oxygen radical defense pathway and its epigenetic control. Nature communications, 17(1), 696.

Pulver C, et al. (2025) Evolutionarily recent transcription factors partake in human cell cycle regulation. Cell genomics, 5(8), 100923.

Begnis M, et al. (2024) Clusters of lineage-specific genes are anchored by ZNF274 in repressive perinucleolar compartments. Science advances, 10(37), eado1662.

Martins F, et al. (2024) A Cluster of Evolutionarily Recent KRAB Zinc Finger Proteins Protects Cancer Cells from Replicative Stress-Induced Inflammation. Cancer research, 84(6), 808.

Orso F, et al. (2023) Stroma-derived miR-214 coordinates tumor dissemination. Journal of experimental & clinical cancer research : CR, 42(1), 20.

de Tribolet-Hardy J, et al. (2023) Genetic features and genomic targets of human KRAB-zinc finger proteins. Genome research, 33(8), 1409.

Anuchina AA, et al. (2023) Bridging Gaps in HDR Improvement: The Role of MAD2L2, SCAI, and SCR7. International journal of molecular sciences, 24(7).

Kudo T, et al. (2022) A multiplexed epitope barcoding strategy that enables dynamic cellular phenotypic screens. Cell systems, 13(5), 376.

Paris A, et al. (2022) The AhR-SRC axis as a therapeutic vulnerability in BRAFi-resistant melanoma. EMBO molecular medicine, 14(12), e15677.

Summerfield A, et al. (2022) Relationship between neutralizing and opsonizing monoclonal antibodies against foot-and-mouth disease virus. Frontiers in veterinary science, 9, 1033276.

Sim??-Riudalbas L, et al. (2022) Transposon-activated POU5F1B promotes colorectal cancer growth and metastasis. Nature communications, 13(1), 4913.

Evtushenko NA, et al. (2021) hTERT-Driven Immortalization of RDEB Fibroblast and Keratinocyte Cell Lines Followed by Cre-Mediated Transgene Elimination. International journal of molecular sciences, 22(8).

Gautron A, et al. (2021) CRISPR screens identify tumor-promoting genes conferring melanoma cell plasticity and resistance. EMBO molecular medicine, 13(5), e13466.

Qian W, et al. (2020) Linc00668 Promotes Invasion and Stem Cell-Like Properties of Breast Cancer Cells by Interaction With SND1. Frontiers in oncology, 10, 88.

Pascual R, et al. (2020) mRNA spindle localization and mitotic translational regulation by CPEB1 and CPEB4. RNA (New York, N.Y.), 27(3), 291.

Serebrovskaya EO, et al. (2020) Genetically Encoded Fluorescent Sensor for Poly-ADP-Ribose. International journal of molecular sciences, 21(14).

Smolina N, et al. (2020) Desmin mutations result in mitochondrial dysfunction regardless of their aggregation properties. Biochimica et biophysica acta. Molecular basis of disease, 1866(6), 165745.

Kauzlaric A, et al. (2020) KAP1 targets actively transcribed genomic loci to exert pleomorphic effects on RNA polymerase II activity. Philosophical transactions of the Royal Society of London. Series B, Biological sciences, 375(1795), 20190334.