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**Opzioni di ricerca con
strategie
predeterminate**

**Link per ricerca tramite
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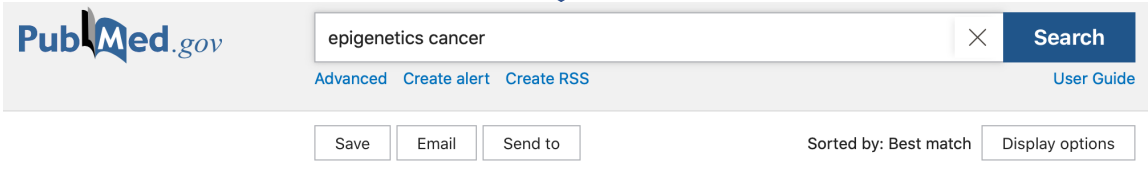
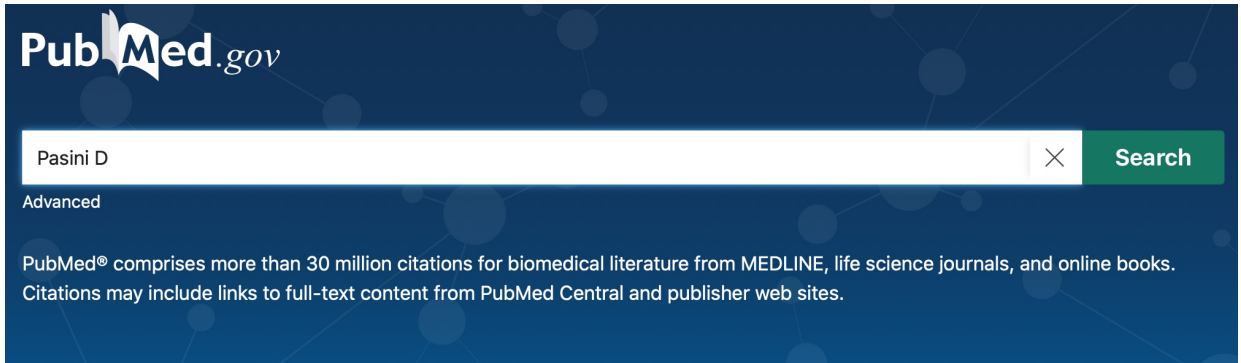
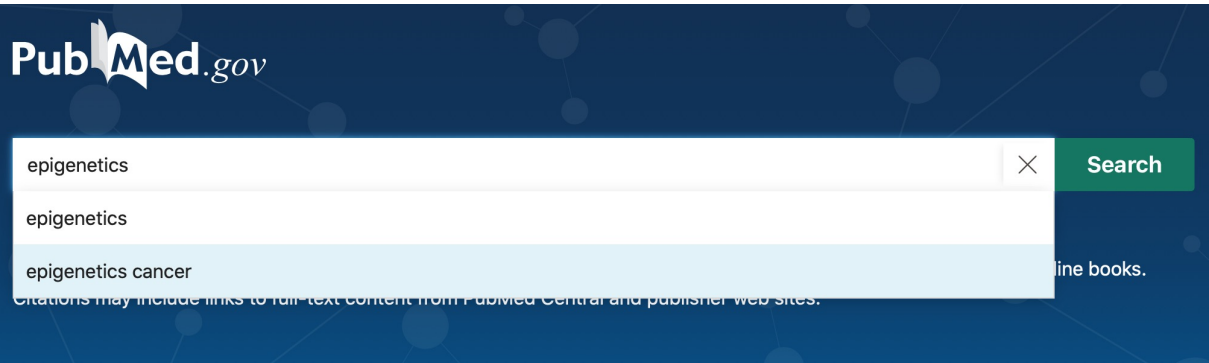
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1970 2021

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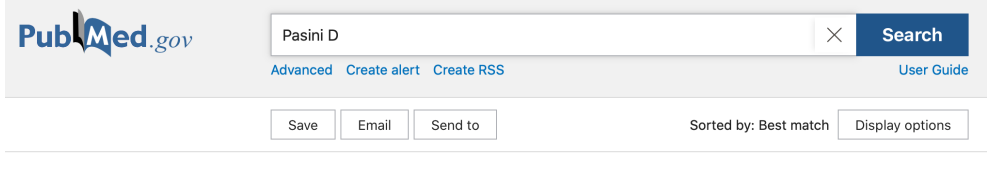
- Abstract
- Free full text
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ARTICLE ATTRIBUTE

- Associated data

1 **Cancer epigenetics: from mechanism to therapy.**
Dawson MA, Kouzarides T.
Cell. 2012 Jul 6;150(1):12-27. doi: 10.1016/j.cell.2012.06.013.
PMID: 22770212 **Free article.** [Review.](#)
Here, we present the basic principles behind these **epigenetic** pathways and highlight the evidence suggesting that their misregulation can culminate in **cancer**. This information, along with the promising clinical and preclinical results seen with **epigenetic** dru ...

2 **Cancer epigenetics: Moving forward.**
Nebbioso A, Tambaro FP, Dell'Aversana C, Altucci L.
PLoS Genet. 2018 Jun 7;14(6):e1007362. doi: 10.1371/journal.pgen.1007362. eCollection 2018 Jun.
PMID: 29879107 **Free PMC article.** [Review.](#)
Here, we review whether altered **epigenetic** landscapes are merely a consequence of chromatin modifier/remodeler aberrations or a hallmark of **cancer** etiology. ...The implementation of acquired knowledge of **epigenetic** biomarkers for patient stratification, toget ...



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TEXT AVAILABILITY

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ARTICLE ATTRIBUTE

- Associated data

1 **Histone H2AK119 Mono-Ubiquitination Is Essential for Polycomb-Mediated Transcriptional Repression.**
Tamburri S, Lavarone E, Fernández-Pérez D, Conway E, Zanotti M, Manganaro D, **Pasini D.**
Mol Cell. 2020 Feb 20;77(4):840-856.e5. doi: 10.1016/j.molcel.2019.11.021. Epub 2019 Dec 26.
PMID: 31883952 **Free PMC article.**

2 **Functional Landscape of PCGF Proteins Reveals Both RING1A/B-Dependent-and RING1A/B-Independent-Specific Activities.**
Scelfo A, Fernández-Pérez D, Tamburri S, Zanotti M, Lavarone E, Soldi M, Bonaldi T, Ferrari KJ, **Pasini D.**
Mol Cell. 2019 Jun 6;74(5):1037-1052.e7. doi: 10.1016/j.molcel.2019.04.002. Epub 2019 Apr 24.
PMID: 31029542 **Free PMC article.**

3 **The H3K36me2 Methyltransferase Nsd1 Demarcates PRC2-Mediated H3K27me2 and H3K27me3 Domains in Embryonic Stem Cells.**
Streubel G, Watson A, Jammula SG, Scelfo A, Fitzpatrick DJ, Oliviero G, McCole R, Conway E, Glancy E, Negri GL, Dillon E, Wynne K, **Pasini D**, Krogan NJ, Bracken AP, Cagney G.
Mol Cell. 2020 Jun 11;77(12):271-285.e10. doi: 10.1016/j.molcel.2020.05.022. Epub 2020 May 22.

Componenti di una citazione

1 Histone H2AK119 Mono-Ubiquitination Is Essential for Polycomb-Mediated Transcriptional Repression.

Cite

Tamburri S, Lavarone E, Fernández-Pérez D, Conway E, Zanotti M, Manganaro D, **Pasini D.**

Mol Cell. 2020 Feb 20;77(4):840-856.e5. doi: 10.1016/j.molcel.2019.11.021. Epub 2019 Dec 26.

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Titolo

Lista degli autori

Coordinate dell'articolo: anno mese giorno di pubblicazione, Volume, fascicolo, pagine, link DOI (Digital Object Identifier, usato per creare link a documenti elettronici). Eventuale pubblicazione online pre stampa

PMID: PubMed Identifier, numero unico assegnato a ciascuna citazione PubMed

Histone H2AK119 Mono-Ubiquitination Is Essential for Polycomb-Mediated Transcriptional Repression

Simone Tamburri ¹, Elisa Lavarone ¹, Daniel Fernández-Pérez ², Eric Conway ¹, Marika Zanotti ¹, Daria Manganaro ¹, Diego Pasini ³

Affiliations + expand

PMID: 31883952 PMID: [PMC7033561](#) DOI: [10.1016/j.molcel.2019.11.021](#)

[Free PMC article](#)

Abstract

Polycomb group proteins (PcGs) maintain transcriptional repression to preserve cellular identity in two distinct repressive complexes, PRC1 and PRC2, that modify histones by depositing H2AK119ub1 and H3K27me3, respectively. PRC1 and PRC2 exist in different variants and show a complex regulatory cross-talk. However, the contribution that H2AK119ub1 plays in mediating PcG repressive functions remains largely controversial. Using a fully catalytic inactive RING1B mutant, we demonstrated that H2AK119ub1 deposition is essential to maintain PcG-target gene repression in embryonic stem cells (ESCs). Loss of H2AK119ub1 induced a rapid displacement of PRC2 activity and a loss of H3K27me3 deposition. This preferentially affected PRC2.2 variant with respect to PRC2.1, destabilizing canonical PRC1 activity. Finally, we found that variant PRC1 forms can sense H2AK119ub1 deposition, which contributes to their stabilization specifically at sites where this modification is highly enriched. Overall, our data place H2AK119ub1 deposition as a central hub that mounts PcG repressive machineries to preserve cell transcriptional identity.

Keywords: Chromatin modifications; H2AK119ub1; H3K27me3; JARID2; MTF2; PRC1; PRC2; Polycomb; RING1B; transcriptional repression.

FULL TEXT LINKS



ACTIONS



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Advanced search

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Enter a search term

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Query box

Enter / edit your search query here

Search 

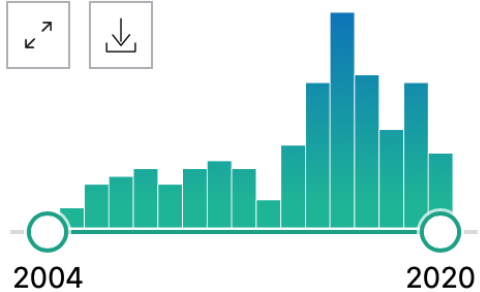
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Search	Actions	Details	Query	Results	Time
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TEXT AVAILABILITY

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ARTICLE ATTRIBUTE

- Associated data

ARTICLE TYPE

- Books and Documents
- Clinical Trial
- Meta-Analysis
- Randomized Controlled Trial
- Review
- Systematic Review

PUBLICATION DATE

- 1 year
- 5 years
- 10 years
- Custom Range

Additional filters

Reset all filters

Altri filtri di ricerca dell'Advanced search

ARTICLE TYPE

SPECIES

LANGUAGE

SEX

SUBJECT

JOURNAL

AGE

- Duplicate Publication
- Editorial
- Electronic Supplementary Materials
- English Abstract
- Evaluation Study
- Festschrift
- Government Publication
- Guideline
- Historical Article
- Interactive Tutorial
- Interview
- Introductory Journal Article
- Research Support, U.S. Gov't, Non-P.H.S.
- Research Support, U.S. Gov't, P.H.S.
- Research Support, U.S. Gov't
- Retracted Publication
- Retraction of Publication
- Scientific Integrity Review
- Technical Report
- Twin Study
- Validation Study
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Query box

Search 

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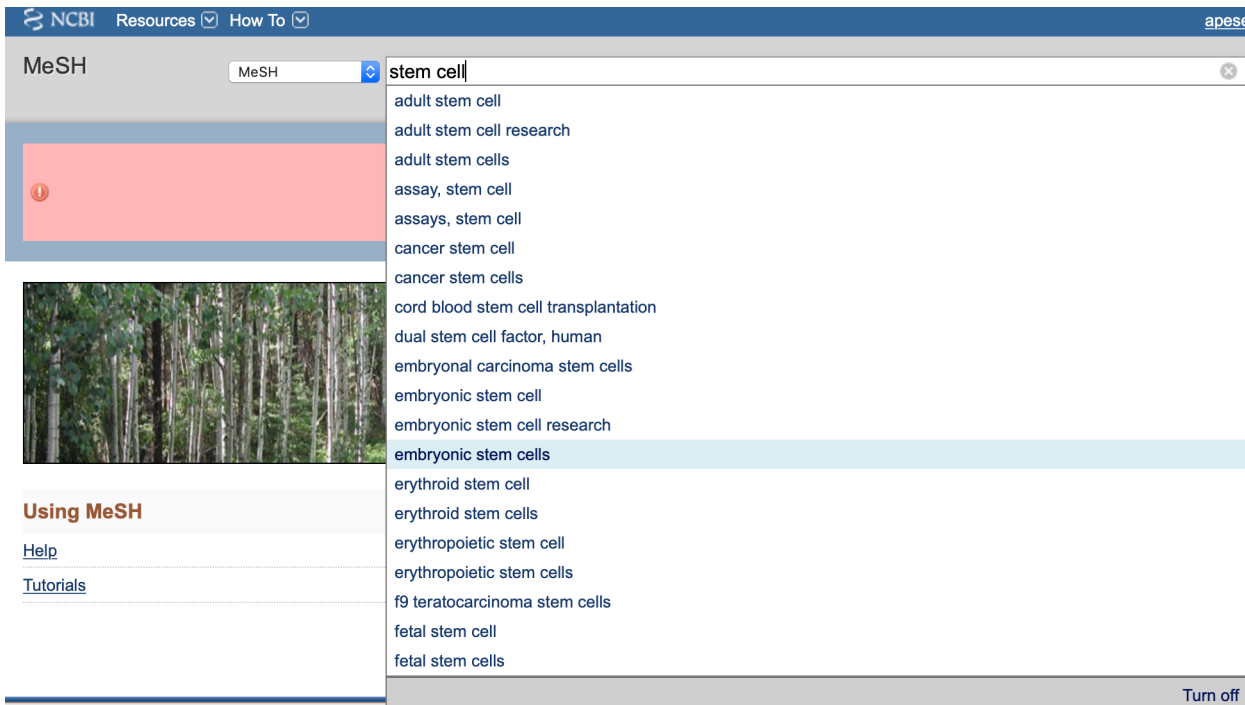
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Search	Actions	Details	Query	Results	Time
#2	...	>	Search: (((tendon)) AND (regeneration)) AND (epigenetics)	10	07:28:46
#1	...	>	Search: (smyd3) AND (ovarian cancer)	6	07:27:01

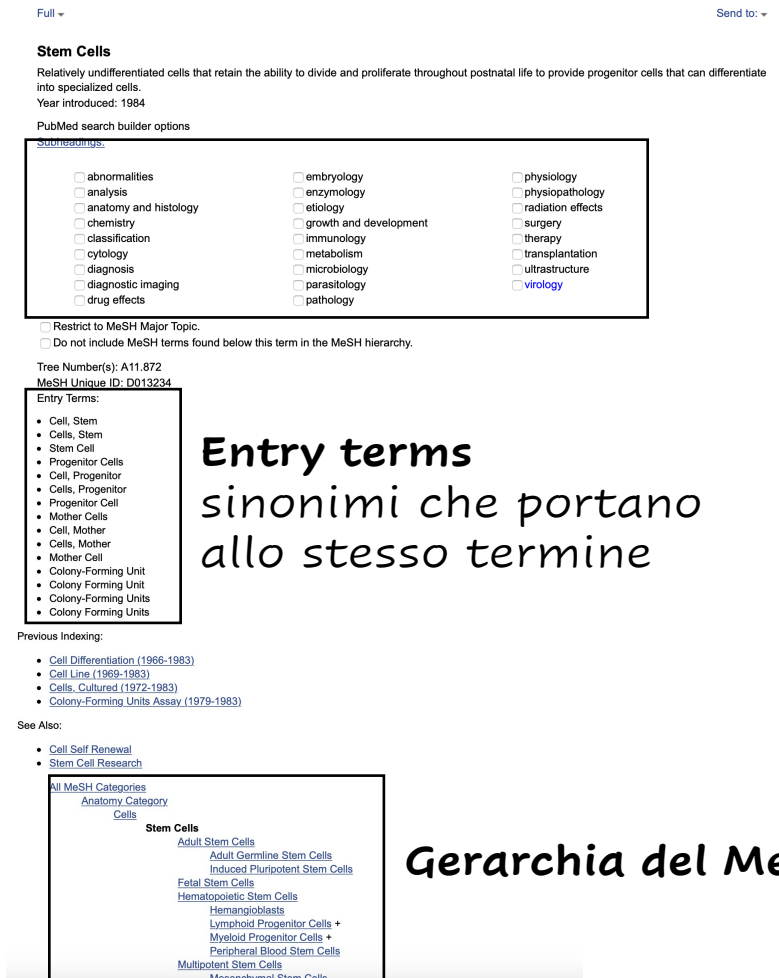
Ricerca con termini MeSH o ricerca con linguaggio controllato

Subheadings

Aspetti su cui focalizzare la ricerca



The screenshot shows the MeSH search interface. The search bar contains 'stem cell'. A dropdown menu lists various related terms, with 'embryonic stem cells' highlighted. The interface includes navigation links like 'Resources', 'How To', and 'MeSH'. A 'Turn off' button is visible at the bottom right of the search results area.



The screenshot displays the MeSH 'Stem Cells' page. It includes a definition: 'Relatively undifferentiated cells that retain the ability to divide and proliferate throughout postnatal life to provide progenitor cells that can differentiate into specialized cells. Year introduced: 1984'. Below this are 'PubMed search builder options' with a grid of subheadings (e.g., abnormalities, embryology, physiology) and checkboxes. A section for 'Entry Terms' lists various related terms like 'Cell, Stem', 'Cells, Stem', 'Stem Cell', etc. A 'Previous Indexing' section lists historical terms. A 'See Also' section lists related concepts. At the bottom, a 'Gerarchia del MeSH' section shows a hierarchical tree structure of stem cell categories.

Entry terms
sinonimi che portano
allo stesso termine

Gerarchia del MeSH

Dal vocabolario MeSH al database PubMed...

Full ▾

Stem Cells

Relatively undifferentiated cells that retain the ability to divide and proliferate throughout postnatal life to provide progenitor cells that can differentiate into specialized cells.

Year introduced: 1984

PubMed search builder options

[Subheadings:](#)

Send to: ▾

Box di ricerca

PubMed Search Builder

"Stem Cells" [Mesh]

Add to search builder

AND ▾

Search PubMed

1. Add to search builder
2. Search Pubmed



Lista delle citazioni per il termine MeSH indicato

PubMed.gov "Stem Cells"[Mesh] Search

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Save Email Send to Sorted by: Most recent Display options

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RESULTS BY YEAR

TEXT AVAILABILITY

ARTICLE ATTRIBUTE

218,778 results

1 [Expression of Adenovirus-mediated Human Adipose-derived Stem Cells].
Wang X, Wang LH, Xie YY, Li J, Yan ZY.
Zhongguo Shi Yan Xue Ye Xue Za Zhi. 2020 Oct;28(5):1721-1725. doi: 10.11817/j.issn.1009-2137.2020.05.048.
PMID: 33067980 Chinese.

2 [Biological Characteristics of Immunophenotype, Stem Cell Gene and Colony Forming Ability in Side-Population Cells of Jeko-1 Cell Line].
Zhou SX, Zhang L, Li XM, Tang JL.
Zhongguo Shi Yan Xue Ye Xue Za Zhi. 2020 Oct;28(5):1558-1562. doi: 10.19746/j.cnki.issn.1009-2137.2020.05.022.
PMID: 33067954 Chinese.

3 [Modern biotechnological treatment methods of persistent corneal epithelial defects].
Trufanov SV, Subbot AM, Shakhbazvan NP.

Summary
Abstract
Pubmed
PMID

[Expression of Adenovirus-mediated Human Clotting Factor IX Gene in Mouse Adipose-derived Stem Cells]

[Article in Chinese]

Xin Wang¹, Lin-Hong Wang¹, Yan-Yan Xie¹, Jie Li¹, Zhen-Yu Yan²

Affiliations + expand

PMID: 33067980 DOI: 10.19746/j.cnki.issn.1009-2137.2020.05.048

Abstract in English, [Chinese](#)

Objective: To investigate the adenovirus-mediated expression of human clotting factor IX (hFIX) gene in mouse adipose-derived stem cells(ADSC).

Methods: The mouse ADSC were isolated and cultured in vitro, the morphology of cells was observed and its growth viability was detected by using CCK-8. Cell surface markers

Conclusion: Adenovirus-carried hFIX gene can effectively transfect ADSC. ADSC mouse gene can secrete hFIX protein with coagulation activity.

SUPPLEMENTARY INFO

MeSH terms, Substances + expand



MeSH terms

- > Adenoviridae* / genetics
- > Adipogenesis
- > Animals
- > Factor IX* / genetics
- > Humans
- > Mice
- > Osteogenesis
- > Stem Cells

Substances

- > Factor IX

Esempio utilizzo operatori booleani con Subheadings

Full ▾

Send to: ▾

Leukemia

A progressive, malignant disease of the blood-forming organs, characterized by distorted proliferation and development of leukocytes and their precursors in the blood and bone marrow. Leukemias were originally termed acute or chronic based on life expectancy but now are classified according to cellular maturity. Acute leukemias consist of predominately immature cells; chronic leukemias are composed of more mature cells. (From The Merck Manual, 2006)

PubMed search builder options

[Subheadings:](#)

- | | | |
|--|--|--|
| <input type="checkbox"/> analysis | <input type="checkbox"/> economics | <input type="checkbox"/> pathology |
| <input type="checkbox"/> anatomy and histology | <input type="checkbox"/> embryology | <input type="checkbox"/> physiology |
| <input type="checkbox"/> blood | <input type="checkbox"/> enzymology | <input type="checkbox"/> physiopathology |
| <input type="checkbox"/> blood supply | <input type="checkbox"/> epidemiology | <input type="checkbox"/> prevention and control |
| <input type="checkbox"/> cerebrospinal fluid | <input type="checkbox"/> ethnology | <input type="checkbox"/> psychology |
| <input type="checkbox"/> chemical synthesis | <input type="checkbox"/> etiology | <input checked="" type="checkbox"/> radiotherapy |
| <input type="checkbox"/> chemically induced | <input type="checkbox"/> genetics | <input type="checkbox"/> rehabilitation |
| <input type="checkbox"/> chemistry | <input type="checkbox"/> history | <input type="checkbox"/> secondary |
| <input type="checkbox"/> classification | <input type="checkbox"/> immunology | <input type="checkbox"/> statistics and numerical data |
| <input type="checkbox"/> complications | <input type="checkbox"/> legislation and jurisprudence | <input type="checkbox"/> surgery |
| <input type="checkbox"/> congenital | <input type="checkbox"/> metabolism | <input type="checkbox"/> therapeutic use |
| <input type="checkbox"/> cytology | <input type="checkbox"/> microbiology | <input type="checkbox"/> therapy |
| <input type="checkbox"/> diagnosis | <input type="checkbox"/> mortality | <input type="checkbox"/> transmission |
| <input checked="" type="checkbox"/> diagnostic imaging | <input type="checkbox"/> nursing | <input type="checkbox"/> ultrastructure |
| <input type="checkbox"/> diet therapy | <input type="checkbox"/> organization and administration | <input type="checkbox"/> urine |
| <input type="checkbox"/> drug effects | <input type="checkbox"/> parasitology | <input type="checkbox"/> veterinary |

PubMed Search Builder

```
( "Leukemia/diagnostic imaging" [Mesh] OR "Leukemia/radiotherapy" [Mesh] )
```

Add to search builder AND ▾

Search PubMed

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Epub 2020 Aug 31.

¹⁸F FDG–PET imaging and histopathology in neuroleukemiosis with acute myeloid leukemia

Yusuke Kiyoki ¹, Ryota Matsuoka ², Tomohiro Kaneta ³, Hidekazu Nishikii ⁴

Affiliations + expand

PMID: 32865707 DOI: 10.1007/s12185-020-02976-w

No abstract available

SUPPLEMENTARY INFO

Publication types, MeSH terms, Substances, Grant support – collapse

MeSH terms

- > Adult
- > Bone Marrow / pathology
- > Fatal Outcome
- > Fluorodeoxyglucose F18*
- > Granulocyte Precursor Cells / pathology
- > Humans
- > Leukemia, Myeloid, Acute / diagnosis
- > Leukemia, Myeloid, Acute / diagnostic imaging*
- > Leukemia, Myeloid, Acute / drug therapy
- > Leukemia, Myeloid, Acute / pathology*
- > Leukemic Infiltration*
- > Male
- > Meninges / pathology*
- > Peripheral Nerves / pathology*
- > Positron Emission Tomography Computed Tomography / methods*
- > Positron-Emission Tomography / methods*
- > Radiopharmaceuticals*

Potential new method for rapid diagnosis of radiation sickness

Elizabeth Gourd

PMID: 32738931 PMID: PMC7392597 DOI: 10.1016/S1470-2045(20)30421-6

Free PMC article

No abstract available

 1 figure

SUPPLEMENTARY INFO

Publication types, MeSH terms – collapse

MeSH terms

- > Hematologic Tests / methods*
- > Humans
- > Leukemia / blood
- > Leukemia / pathology
- > Leukemia / radiotherapy*
- > Radiation Injuries / blood
- > Radiation Injuries / diagnosis*
- > Time Factors

Ricerca di più concetti

PubMed Search Builder

("Epigenomics"[Mesh]) AND "Cell Differentiation"[Mesh]

Add to search builder AND

Search PubMed

380
risultati
PubMed

PubMed Search Builder

("Epigenomics" Major AND "Cell Differentiation"[Mesh])

Add to search builder AND

Search PubMed

129
risultati
PubMed

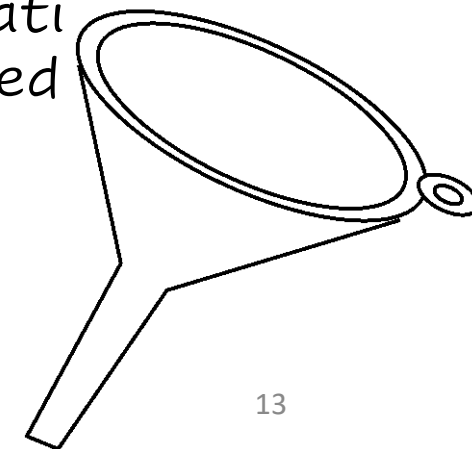
PubMed Search Builder

("Epigenomics" Major AND "Cell Differentiation" Major)

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61
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← Maschera di ricerca

Esempio di record ottenuto

> [Mol Cell](#). 2020 Feb 20;77(4):840–856.e5. doi: 10.1016/j.molcel.2019.11.021. Epub 2019 Dec 26.

Histone H2AK119 Mono-Ubiquitination Is Essential for Polycomb-Mediated Transcriptional Repression

[Simone Tamburri](#)¹, [Elisa Lavarone](#)¹, [Daniel Fernández-Pérez](#)², [Eric Conway](#)¹, [Marika Zanotti](#)¹, [Daria Manganaro](#)¹, [Diego Pasini](#)³

Affiliations + expand

PMID: 31883952 PMCID: [PMC7033561](#) DOI: [10.1016/j.molcel.2019.11.021](#)

[Free PMC article](#)

Abstract

Polycomb group proteins (PcGs) maintain transcriptional repression to preserve cellular identity in

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