Scientometria e Bibliometria: Finalità, metodi e strumenti

Corso opzionale 3 CFU
AA 2026/2027

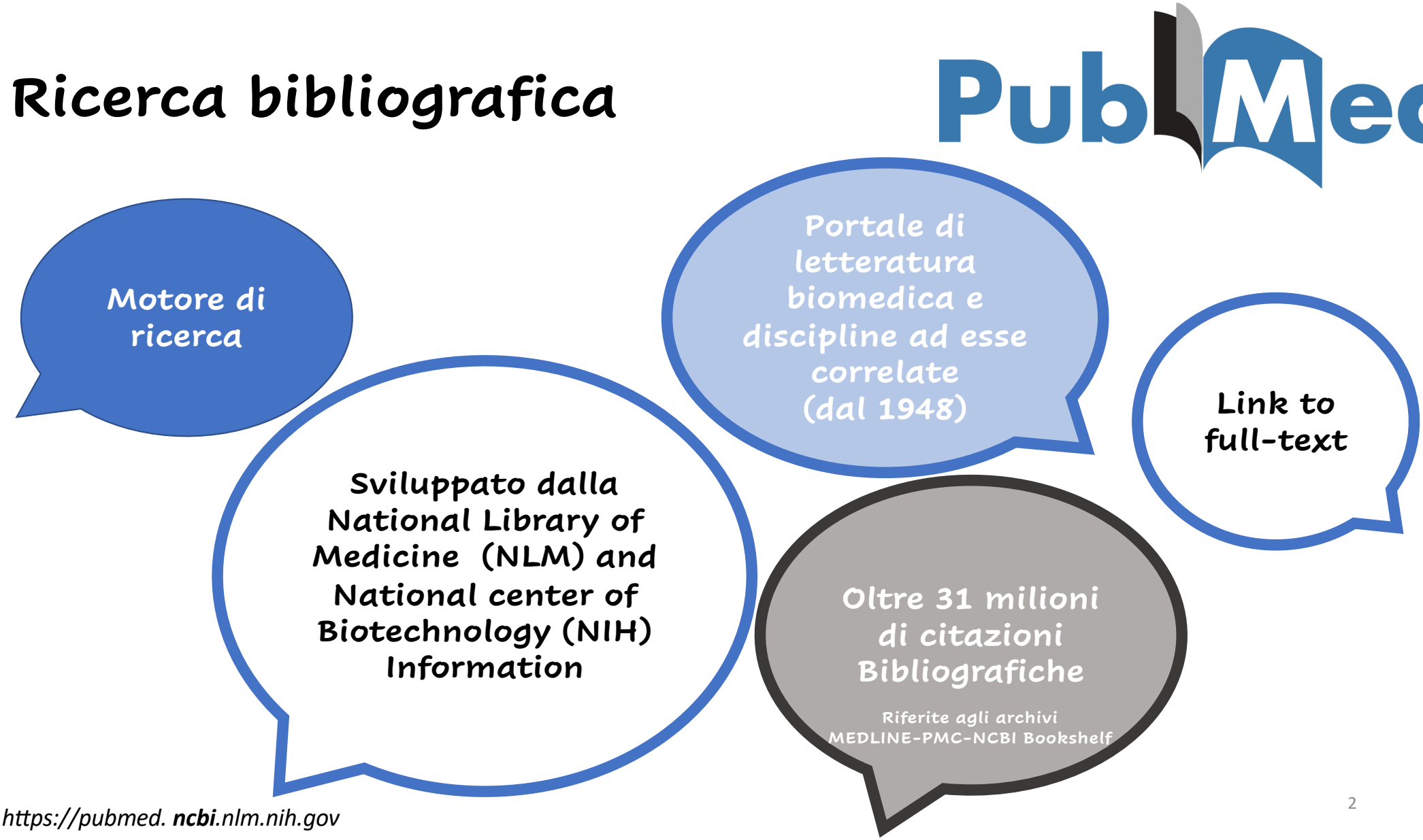


TOPIC: Banche dati bibliografiche

Prof. Alessia Peserico
Ricevimento: Previo appuntamento concordato via mail
Email: apeserico@unite.it

UNIVERSITÀ DEGLI STUDI DI TERAMO

Ricerca bibliografica



*https://pubmed. **ncbi**.nlm.nih.gov*

MEDLINE
U.S. National Library of Medicine

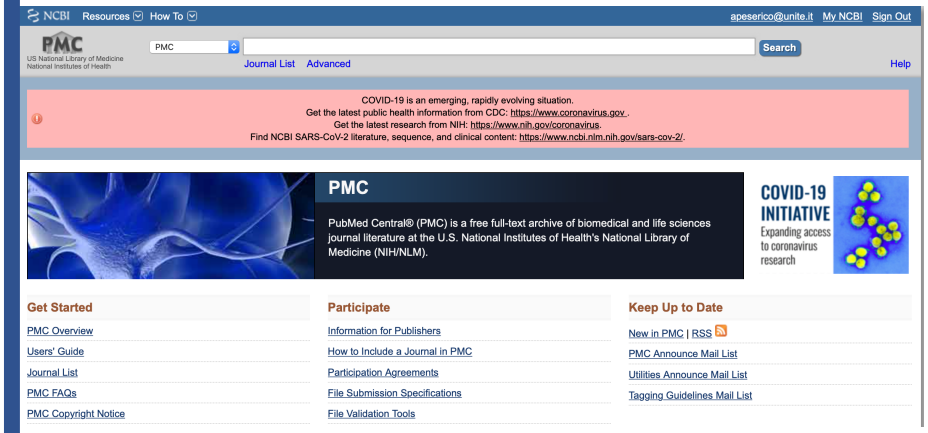
- Citazioni da più di 5200 riviste in tutto il mondo

- Rigido processo di selezione giornale per inclusione in MEDLINE

a. qualità del contenuto scientifico del giornale
b. originalità
c. Impatto per la comunità scientifica

https://www.nlm.nih.gov/bsd/pmresources.html

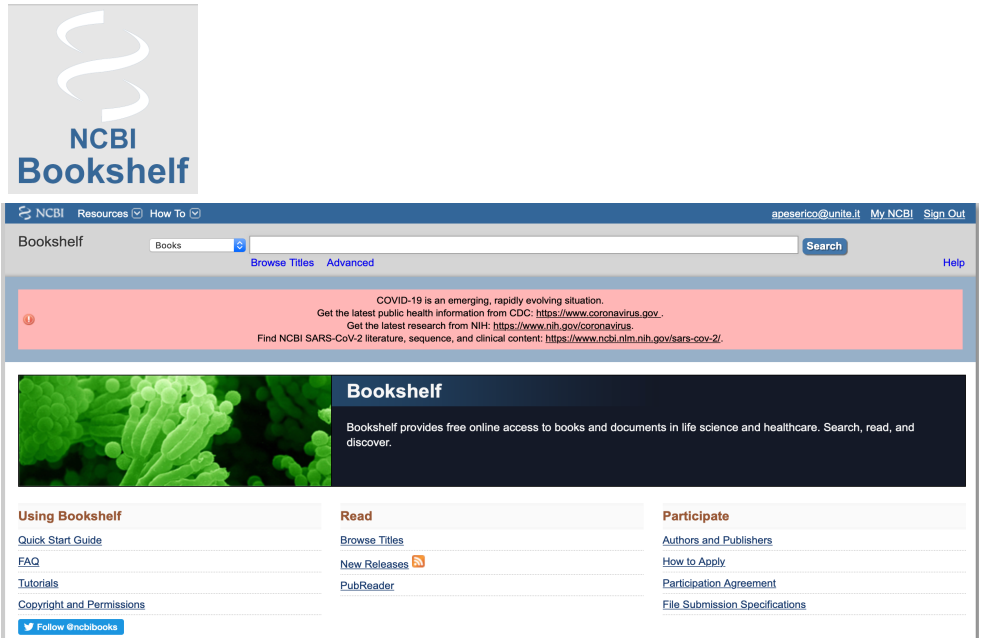
https://www.ncbi.nlm.nih.gov/pmc/



Nasce nel 2000 come un archivio di letteratura biomedica e di scienze della vita ad accesso gratuito

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Citazione bibliografica

Tutti i documenti depositati nel database PUBMED, sono catalogati sottoforma di citazioni bibliografiche



Rappresentazione bibliografica di un documento

Insieme di informazioni che riportano dei dati essenziali relativi ad un documento (carta d'identità). In PubMed il documento è un articolo scientifico.

Ogni citazione bibliografica è dunque formata da campi che contengono info che ci aiutano a capire se gli articoli che li contengono ci interessano e se intendiamo dunque cercarne il testo completo per una lettura integrale


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PubMed® comprises more than 30 million citations for biomedical literature from MEDLINE, life science journals, and online books.
Citations may include links to full-text content from PubMed Central and publisher web sites.
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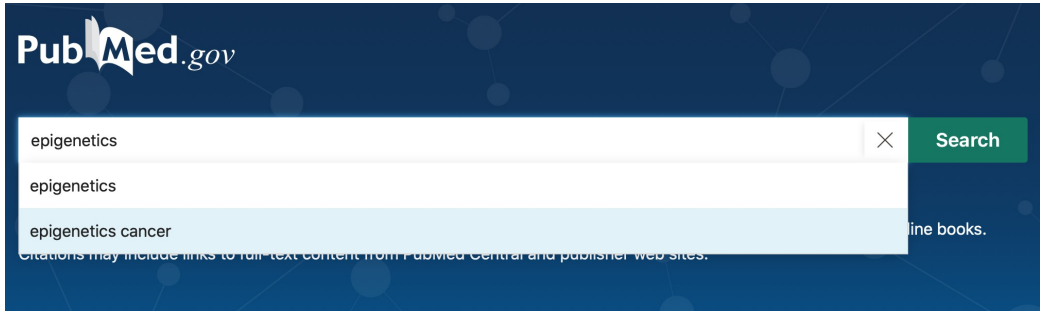
Basic search

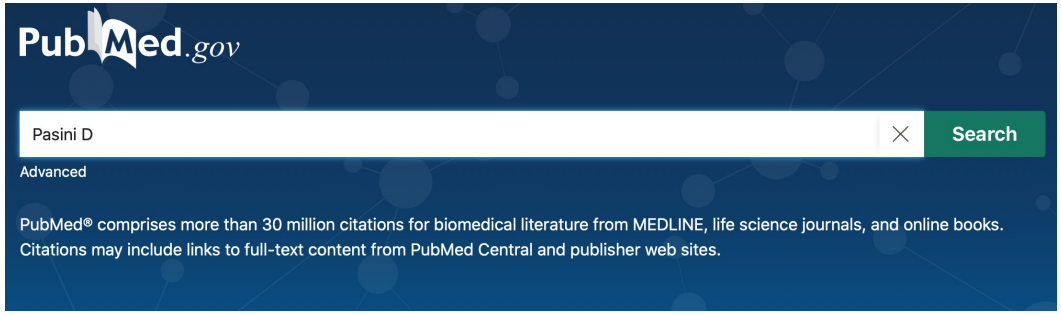
Definita anche come **ricerca con termini liberi** (tratti dal linguaggio scientifico)

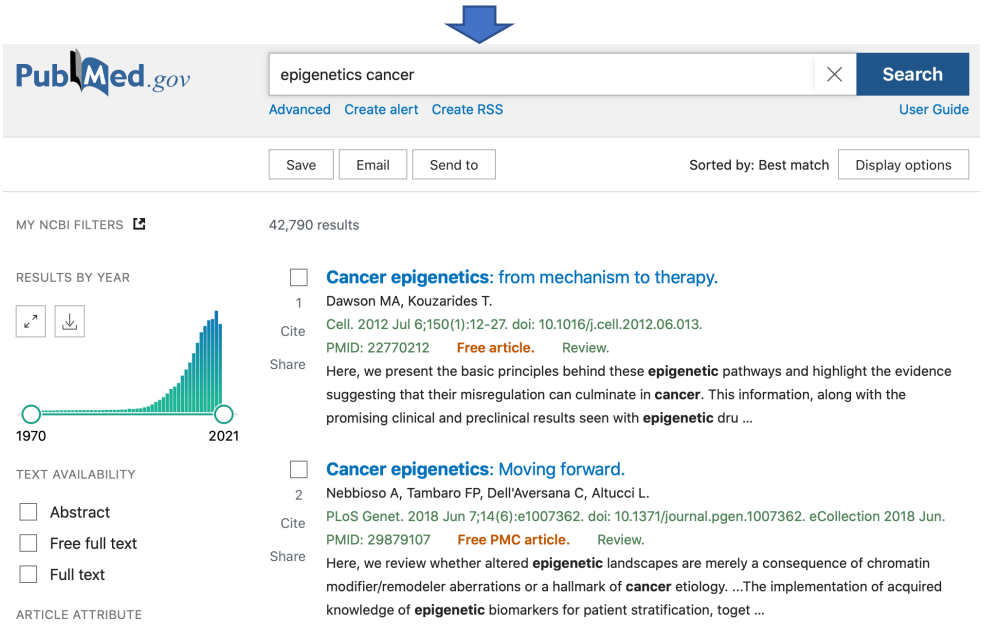
Il sistema ci aiuta suggerendoci una lista di termini a partire da quello inserito

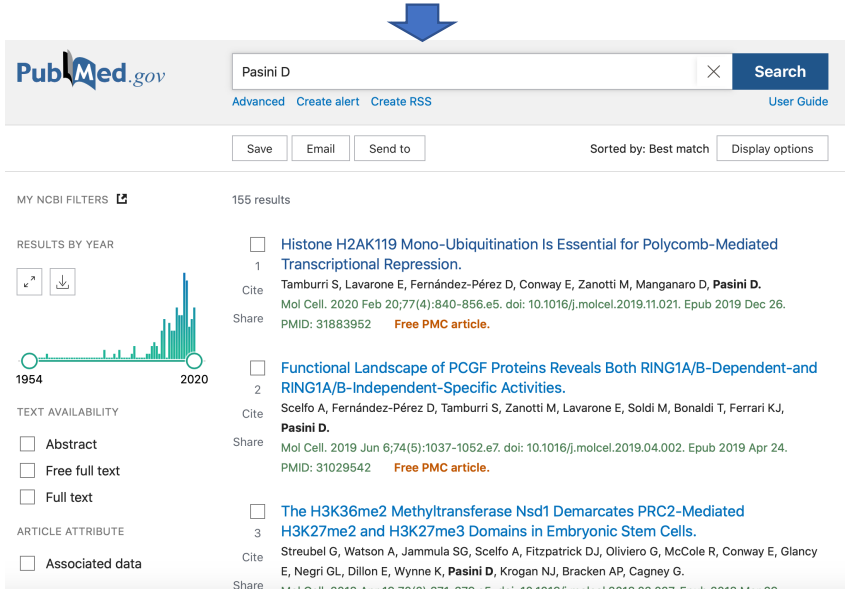
I risultati vengono visualizzati in ordine cronologico

Esempi di Basic search









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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PMID: 31883952 **Free PMC article.**

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 ciscuna citazione PubMed

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 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.



Advanced search

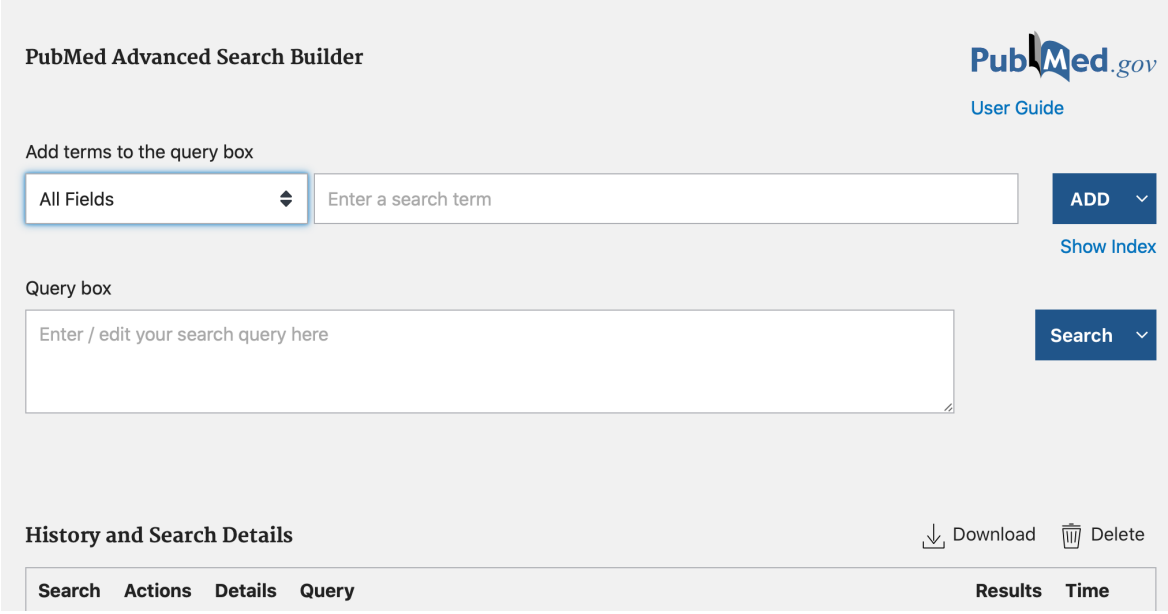
- **Definizione del campo di ricerca**

(autore, data/e, giornale, editore, book, grant number, titolo, etc...)

- **Possibile utilizzo di operatori Booleani e wildcards**

AND, OR, NOT, *, ?

- **Salvare le ricerche**

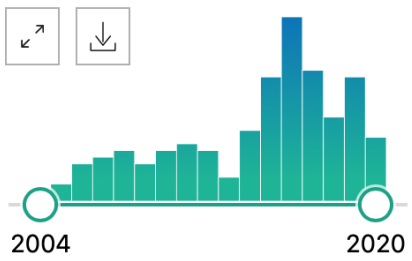


Altri filtri di ricerca dell'Advanced search

PubMed.gov

MY NCBI FILTERS

RESULTS BY YEAR



TEXT AVAILABILITY

- [ ] Abstract
- [ ] Free full text
- [ ] Full text

ARTICLE ATTRIBUTE

ARTICLE ATTRIBUTE

- [ ] Associated data

ARTICLE TYPE

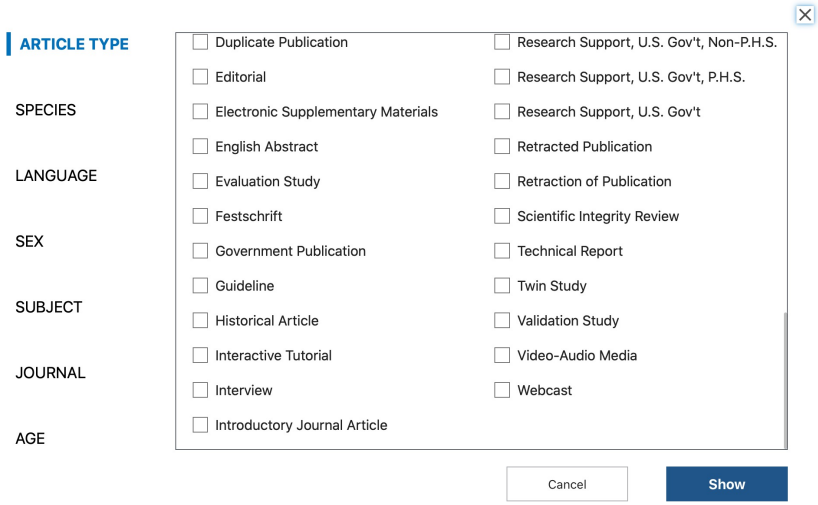
- [ ] Books and Documents
- [ ] Clinical Trial
- [ ] Meta-Analysis
- [ ] Randomized Controlled Trial
- [ ] Review
- [ ] Systematic Review

PUBLICATION DATE

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

Additional filters

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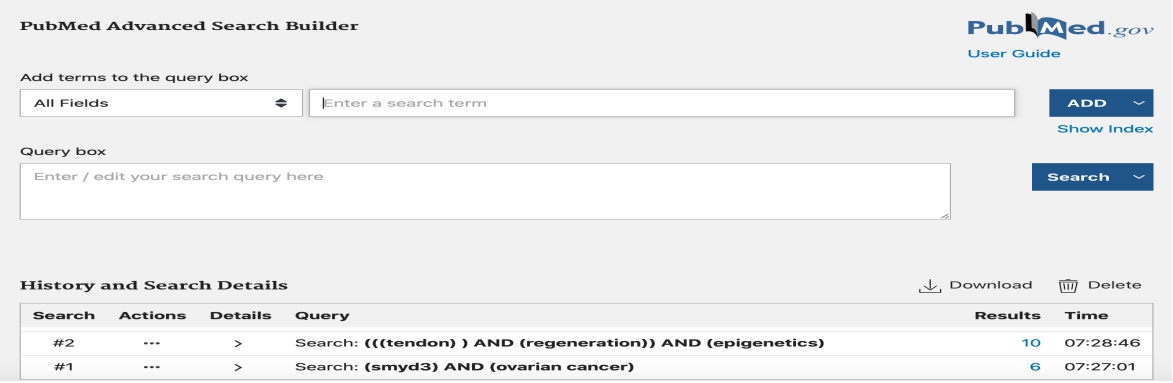
Search History

Tutte le ricerche eseguite sono automaticamente memorizzate nella **sezione History** (home page della ricerca)

1. Actions: Possono essere combinate tra loro con gli operatori booleani.
Cliccando sul actions apparirà un menù a tendina dal quale è possibile selezionare l'operatore booleano che interessa, cancellare la ricerca, rilanciare la ricerca o creare un alert.

2. Details: Per visualizzare i dettagli . Termini simili di ricerca suggeriti e termini MeSH.

La History rimane attiva per 8 ore e permette di visualizzare fino a 100 stringhe di ricerca



Ricerca con termini MeSH o ricerca con linguaggio controllato

COSA SONO

Descrittori MeSH (MEdical Subject Headings)

Vocabolario di termini controllati (descrittori) della NLM

Lista di termini ognuno corrispondente ad un concetto o una classe di concetti

A COSA SERVONO

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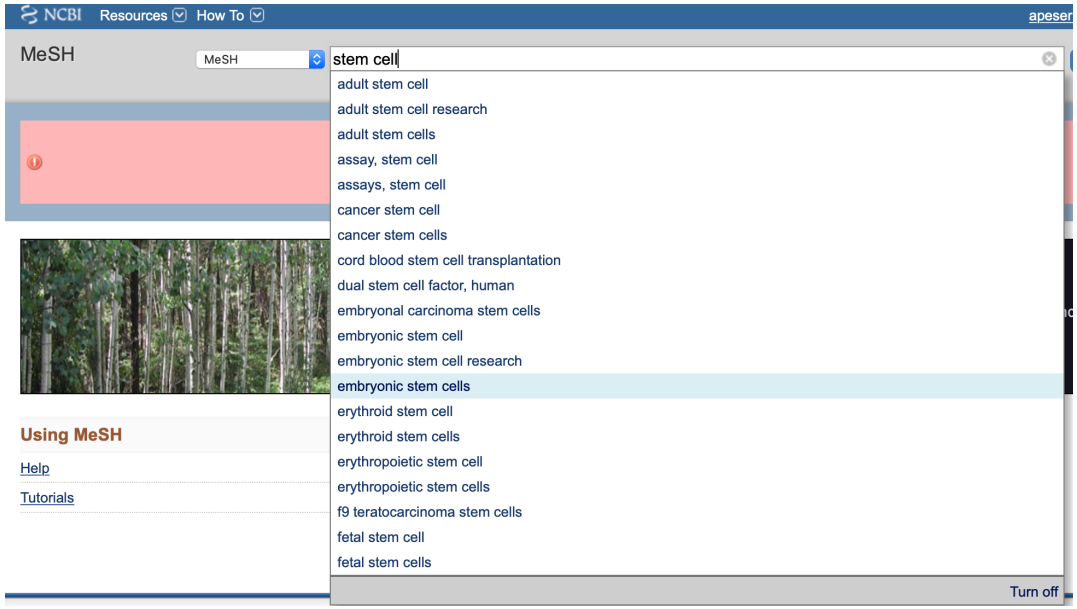
Strumento essenziale per il recupero delle informazioni, in particolare quando esistono termini differenti per esprimere un medesimo concetto.

Indicizzare

1. **estrarre** i dati principali di ogni articolo su autore/i (nome, affiliazione,...), contenuto (titolo, abstract,....), fonte (titolo della rivista, ISSN, data di pubblicazione,....)

2. **assegnare** dati gestionali (codici,...).

Tempi di indicizzazione: da 15 giorni a 2 mesi dal momento della pubblicazione



Subheadings
Aspetti su cui focalizzare la ricerca



Entry terms
sinonimi che portano allo stesso termine

Gerarchia del MeSH

Dal vocabolario MeSH al database PubMed...

Full ▾ Send to: ▾

Stem Cells

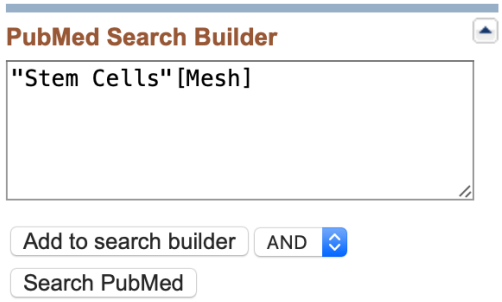
Relatively undifferentiated cells that retain the ability to divide and proliferate throughout postnatal life to provide progenitor cells that can differentiate into specialized cells.

Year introduced: 1984

PubMed search builder options

Subheadings:

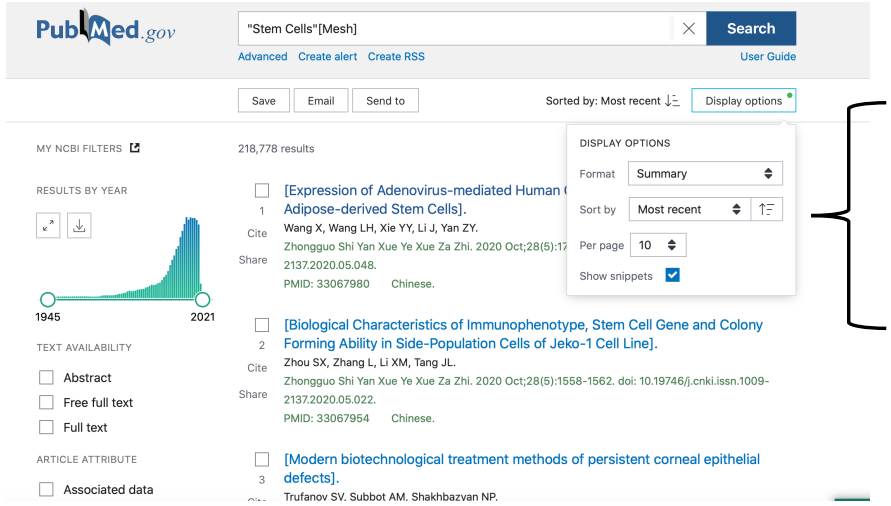
Box di ricerca



1. Add to search builder
2. Search Pubmed

⇩

Lista delle citazioni per il termine MeSH indicato



Summary
Abstract
Pubmed
PMID

› Zhongguo Shi Yan Xue Ye Xue Za Zhi. 2020 Oct;28(5):1718-1725.
doi: 10.19746/j.cnki.issn.1009-2137.2020.05.048.

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

[Article in Chinese]
Xin Wang [1], Lin-Hong Wang [1], Yan-Yan Xie [1], Jie Li [1], Zhen-Yu Yan [2]

Affiliations + expand

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

Abstract in English, Chinese

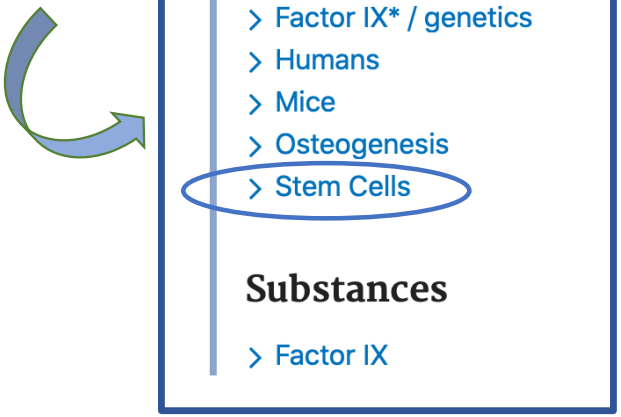
Objective: To investigate the adenovirus-mediated expression of human clotting factor IX (hFIX) gene in mouse adipose-derived stem cells(ADSC).

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 m gene can secrete hFIX protein with coagulation activity.

SUPPLEMENTARY INFO

MeSH terms, Substances + expand



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:

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

PubMed Search Builder

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

Add to search builder AND

Search PubMed

YouTube Tutorial

Related information

PubMed

PubMed - Major Topic

Clinical Queries

NLM MeSH Browser

dbGaP Links

MedGen

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Case Reports > Int J Hematol. 2020 Oct;112(4):433-434. doi: 10.1007/s12185-020-02976-w. Epub 2020 Aug 31.

^{18}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*

> Lancet Oncol. 2020 Sep;21(9):1142. doi: 10.1016/S1470-2045(20)30421-6. Epub 2020 Jul 30.

Potential new method for rapid diagnosis of radiation sickness

Elizabeth Gourd

PMID: 32738931 PMCID: 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

Tools addizionali di PubMed

Journals

Utile per ricercare le riviste contenute in Medline e le informazioni sulle stesse attraverso titolo, International Standard Serial Number (ISSN) e parole chiave

Single Citation Matcher

Permette di recuperare singole citazioni compilando semplicemente dei campi con le informazioni che abbiamo a disposizione (es.nome dell'autore, rivista, anno...). più campi saranno compilati più focalizzata sarà la ricerca

Clinical Queries

Filtri di ricerca costruiti e validati da personale esperto e creati per recuperare gli studi metodologicamente più rilevanti.

Single Citation Matcher

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Details Volume Issue First page

Author name Help

Limit authors Only as first author Only as last author

Title words

Search Clear form

← 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

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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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