

文献情報関連サービスを活用する

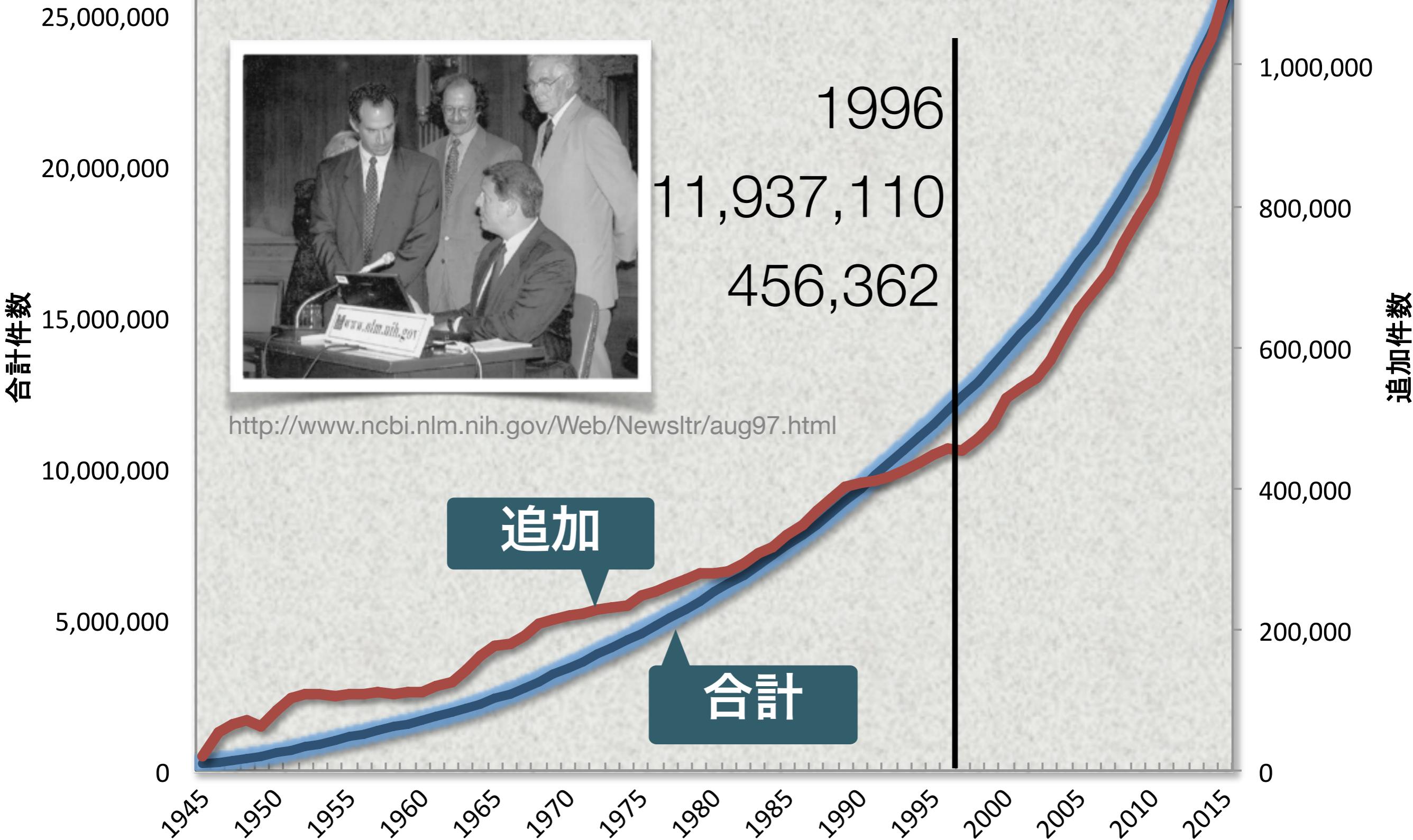
ライフサイエンス統合データベースセンター
山本 泰智 (@yayamamo)



PubMed最新情報

The screenshot shows a web browser displaying the NLM Technical Bulletin website. The page header includes the NLM logo and the text "YOUR SOURCE FOR THE LATEST SEARCHING INFORMATION". A search bar at the top right contains the placeholder "Search here for NLM Technical Bulletin articles". Below the header, a navigation menu offers links to "Current Issue", "Previous Issues", "About", and "Stay Current". A blue banner across the middle of the page reads "PubMed Celebrates its 20th Anniversary!". The main content area features an article by Canese K. titled "PubMed Celebrates its 20th Anniversary! NLM Tech Bull. 2016 May-Jun;(410):e12.". The article discusses the history of PubMed, mentioning its release in 1996 and its evolution through various releases and enhancements. A large yellow text overlay on the right side of the article area says "二十歳になりました。". At the bottom of the page, there is a footer with copyright information and a link to the full URL: https://www.nlm.nih.gov/pubs/techbull/mj16/mj16_pm_20.html.

PubMed/MEDLINE書誌情報件数推移



<http://www.ncbi.nlm.nih.gov/Web/Newsltr/aug97.html>

追加

合計

現状

- 2600万件を超える文献情報（7/3時点で26,207,567）
- 2015年だけで1,103,448件追加（3023件/日）
- 5500件を超える学術誌
- 一日当たり、
 - 250万件の検索、160万人の利用者、830万件の書誌情報閲覧
 - モバイル端末からは、12万件超の検索、32000人の利用者、35万件閲覧

PubMed検索最新情報

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R415Q: "this variant contributes extremely weakly, if at all, to MS risk." @dgmcarthur
@cureffi comment on 1.usa.gov/1UNGkby

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Bozzetti V, et al. J Pediatr. 2016.

Trending articles

[Vaccine protection against Zika virus from Brazil.](#)

Larocca RA, et al. Nature. 2016.

[Human antibody responses after dengue virus infection are highly cross-reactive to Zika virus.](#)

Priyamvada L, et al. Proc Natl Acad Sci U S A. 2016.

[Impact of Continuous vs Bolus Feeding on Splanchnic Perfusion in Very Low Birth Weight Infants: A Randomized Trial.](#)

Bozzetti V, et al. J Pediatr. 2016.

[Optimizing sgRNA position markedly improves the efficiency of CRISPR/dCas9-mediated transcriptional repression.](#)

Radzisheuskaya A, et al. Nucleic Acids Res. 2016.

[Genome-wide specificities of CRISPR-Cas Cpf1 nucleases in human cells.](#)

Kleinstiver BP, et al. Nat Biotechnol. 2016.

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効率的な検索を可能にする機能

- 柔軟なフィルタ機能を検索結果ページに配置
(NLMによるチュートリアル:
<http://www.nlm.nih.gov/bsd/disted/pubmed.html>)
- 発表年による絞り込みを容易にする対話的なグラフを配置
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- RSSを用いた最新検索結果の自動配信機能を提供

例: zika virusで検索

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PMC Images search for zika virus

Vaccine protection against Zika virus from Brazil.

Nature. 2016 Jun 28. doi: 10.1038/nature18952. [Epub ahead of print]

PMID: 27355570

Emerging arboviruses and public health challenges in Brazil.

Rev Saude Publica. 2016 Jun 27;50, pii: S0034-89102016000100602. doi: 10.1590/S1518-8787.2016050008791. English, Portuguese.

PMID: 27355468 Free Article

Titles with your search terms Possible Association Between Zika Virus Infectic [MMWR Morb Mortal Wkly Rep. 2016] Biology of Zika Virus Infection in Human

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[Emerging arboviruses and public health challenges in Brazil.](#)

6. Lima-Camara TN.

Rev Saude Publica. 2016 Jun 27;50. pii: S0034-89102016000100602. doi: 10.1590/S1518-8787.2016050006791. English, Portuguese.

PMID: 27355468 [Free Article](#)

[Zika Virus.](#)

7. Kass DE, Merlino M.

N Engl J Med. 2016 Jun 29. [Epub ahead of print]

PMID: 27355411

[Zika Virus.](#)

8. FitzSimmons J, Shah S.

N Engl J Med. 2016 Jun 29. [Epub ahead of print]

PMID: 27355410

[Zika Virus.](#)

9. [No authors listed]

N Engl J Med. 2016 Jun 29. [Epub ahead of print]

PMID: 27355409

[Human antibody responses after dengue virus infection are highly cross-reactive to Zika virus.](#)

Priyamvada L, Quicke KM, Hudson WH, Onlamoona N, Sewatanon J, Edupuganti S, Pattanapanyasat K, Chokephaibulkit K, Mulligan MJ, Wilson PC, Ahmed R, Suthar MS, Wrammert J.

Proc Natl Acad Sci U S A. 2016 Jun 27. pii: 201607931. [Epub ahead of print]

PMID: 27354515 [Free Article](#)

[Association between Guillain-Barré syndrome and Zika virus infection - Authors' reply.](#)

11. Fontanet A, Cao-Lormeau VM, Dub T, Mallet HP, Ghawché F.

Lancet. 2016 Jun 25;387(10038):2600. doi: 10.1016/S0140-6736(16)30773-5. No abstract available.

PMID: 27353817

[Association between Guillain-Barré syndrome and Zika virus infection.](#)

12. Bautista LE, Sethi AK.

Lancet. 2016 Jun 25;387(10038):2599-600. doi: 10.1016/S0140-6736(16)30844-3. No abstract available.

PMID: 27353815

[Association between Guillain-Barré syndrome and Zika virus infection.](#)

13. Avelino-Silva VI, Martin JN.

Lancet. 2016 Jun 25;387(10038):2599. doi: 10.1016/S0140-6736(16)30843-1. No abstract available.

PMID: 27353814

Titles with your search terms

Possible Association Between Zika Virus Infection [MMWR Morb Mortal Wkly Rep. 2016]

Biology of Zika Virus Infection in Human Skin Cells. [J Virol. 2015]

Zika Virus Associated with Microcephaly. [N Engl J Med. 2016]

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Search results Items: 1 to 20 << First < Prev Page 1 of 42 Next > Last >>

1. Tognarelli J, Gómez-González P, Soto-Acosta R, et al. Zika virus infection during an outbreak on Easter Island, South Pacific, 2014. *Arch Virol.* 2016 Mar;161(3):665-8. doi: 10.1007/s00705-015-2695-5. Epub 2015 Nov 26. PMID: 26611910 [Similar articles](#)

2. [Zika virus as a new threat to the health and life]. Plusa T. *Pol Merkur Lekarski.* 2016 Mar;40(237):149-52. Review. Polish. PMID: 27088194 [Similar articles](#)

3. Local Transmission of Zika Virus--Puerto Rico, November 23, 2015-January 28, 2016. Thomas DL, Sharp TM, Torres J, Armstrong PA, Munoz-Jordan J, Ryff KR, Martinez-Quiñones A, Arias-Berrios J, Mayshack M, Garayalde GJ, Saavedra S, Luciano CA, Valencia-Prado M, Waterman S, Rivera-García B. *MMWR Morb Mortal Wkly Rep.* 2016 Feb 19;65(6):154-8. doi: 10.15585/mmwr.mm6506e2. PMID: 26890470 [Free Article](#) [Similar articles](#)

4. Guillain-Barré Syndrome outbreak associated with Zika virus infection in French Polynesia: a case-control study. Cao-Lormeau VM, Blake A, Mons S, Lastère S, Roche C, Vanhomwegen J, Dub T, Baudouin L, Teissier A, Larre P, Vial AL, Decam C, Choumet V, Halstead SK, Willison HJ, Musset L, Manuguerra JC, Despres P, Fournier E, Mallet HP, Musso D, Fontanet A, Neil J, Ghawché F. *Lancet.* 2016 Apr 9;387(10027):1531-9. doi: 10.1016/S0140-6736(16)00562-6. Epub 2016 Mar 2. PMID: 26948433 [Similar articles](#)

個々の文献情報に対する付加情報

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Arch Virol. 2016 Mar;161(3):665-8. doi: 10.1007/s00705-015-2695-5. Epub 2015 Nov 26.

A report on the outbreak of Zika virus on Easter Island, South Pacific, 2014.

Tognarelli J¹, Ulloa S¹, Villagra E², Lagos J¹, Aguayo C¹, Fasce R³, Parra B¹, Mora J², Becerra N², Lagos N², Vera L², Olivares B¹, Vilches M², Fernández J⁴.

Author information

Abstract

Zika virus (ZIKV) is an emerging mosquito-borne flavivirus circulating in Asia and Africa. In 2013, a large outbreak was reported on the archipelago of French Polynesia. In this study, we report the detection and molecular characterization of Zika virus for the first time in Chile from an outbreak among the inhabitants of Easter Island. A total of 89 samples from patients suspected of having ZIKV infection were collected between the period from January to May, 2014. Molecular diagnosis of the virus was performed by RT-PCR followed by the sequencing of the region containing the NS5 gene. A comparison of the viral nucleic acid sequence with those of other strains of ZIKA virus was performed using the MEGA software. Fifty-one samples were found positive for ZIKV by RT-PCR analysis. Further analysis of the NS5 gene revealed that the ZIKV strains identified in Easter Island were most closely related to those found in French Polynesia (99.8 to 99.9% nt and 100% aa sequence identity). These results strongly suggest that the transmission pathway leading to the introduction of Zika virus on Easter Island has its origin in French Polynesia.

KEYWORDS: Easter Island; Outbreak; South Pacific; ZIKV; Zika virus

PMID: 26611910 DOI: 10.1007/s00705-015-2695-5

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Publication Types, MeSH Terms, Substances

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Scoping Review of the Zika Virus Literature. [PLoS One. 2016]

Review Zika Virus: the Latest Newcomer. [Front Microbiol. 2016]

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Links from PubMed

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[Zika Virus Transmission from French Polynesia to Brazil.](#)

1. Musso D.

Emerg Infect Dis. 2015 Oct;21(10):1887. doi: 10.3201/eid2110.151125. No abstract available.

PMID: 26403318 [Free PMC Article](#)

[Similar articles](#)

[Zika Virus Outbreak, Bahia, Brazil.](#)

2. Campos GS, Bandeira AC, Sardi SI.

Emerg Infect Dis. 2015 Oct;21(10):1885-6. doi: 10.3201/eid2110.150847. No abstract available.

PMID: 26401719 [Free PMC Article](#)

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[Zika virus, French polynesia, South pacific, 2013.](#)

3. Cao-Lormeau VM, Roche C, Teissier A, Robin E, Berry AL, Mallet HP, Sall AA, Musso D.

Emerg Infect Dis. 2014 Jun;20(6):1085-6. doi: 10.3201/eid2006.140138. No abstract available.

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[Zika virus, French Polynesia, South Pacific, 2013.](#)

4. Hancock WT, Marfel M, Bel M.

Emerg Infect Dis. 2014 Nov;20(11):1960. doi: 10.3201/eid2011.141380. No abstract available.

PMID: 25341051 [Free PMC Article](#)

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[Zika virus outbreaks in Asia and South America.](#)

5. Brown C.

CMAJ. 2016 Feb 2;188(2):E34. doi: 10.1503/cmaj.109-5212. Epub 2015 Dec 22. No abstract available.

PMID: 26696621

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Zika Virus/isolation & purification*

Zika Virus Infection/epidemiology*



Substances

[RNA, Viral](#)

MeSH (Medical Subject Headings) ターム

- ・概念階層関係を持つ統制語彙 (語彙数は約2万8千) で毎年更新される
- ・MEDLINE収録の全文献に対しNational Library of Medicine (NLM) の約100人の専門スタッフがMeSHタームを用いた注釈付けを行う
- ・全員が生命科学関係の学士以上の学位を有す
- ・PubMed検索時に利用することで効率良く目的の文献を見つけられる
- ・MEDLINEの代表的な特徴

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 [Zika Virus](#)

1. An arbovirus in the FLAVIVIRUS genus of the family FLAVIVIRIDAE. Originally isolated in the Zika Forest of UGANDA it has been introduced to Asia and the Americas.

Year introduced: 2016

 [Zika Virus Infection](#)

2. A viral disease transmitted by the bite of AEDES mosquitoes infected with ZIKA VIRUS. Its mild DENGUE-like symptoms include fever, rash, headaches and ARTHRALGIA. The viral infection during pregnancy, however, may be associated with other neurological and autoimmune complications (e.g., GUILLAIN-BARRE SYNDROME; and MICROCEPHALY).

Year introduced: 2016

 Add to search builder AND

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Database:

Search details

"zika virus"[MeSH Terms]
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Zika Virus

An arbovirus in the FLAVIVIRUS genus of the family FLAVIVIRIDAE. Originally isolated in the Zika Forest of UGANDA it has been introduced to Asia and the Americas.

Year introduced: 2016

PubMed search builder options

Subheadings:

- analysis
- anatomy and histology
- chemistry
- classification
- cytology

②

- drug effects
- etiology
- genetics
- immunology
- isolation and purification

①

Restrict to MeSH Major Topic.

Do not include MeSH terms found below this term in the MeSH hierarchy.

Tree Number(s): B04.820.250.350.995

MeSH Unique ID: D000071244

Entry Terms:

- Virus, Zika

Previous Indexing:

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- [Flavivirus \(1964-2015\)](#)

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[Zika Virus](#)

③

- pathogenicity
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- radiation effects
- ultrastructure

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"Zika Virus/isolation and purification"[Majr]

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MeSH

["Zika Virus" \(2\)](#)

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Mid-Year Changes in MeSH Descriptors

MeSH Descriptors and Qualifiers are normally released on an annual basis. Each annual release occurs in mid November of the previous year, and becomes part of PubMed and other data systems in time for the change in the calendar year. For example 2016 MeSH was released in November of 2015.

Additional changes to Descriptors or Qualifiers for the current MeSH year are less common and can occur periodically when needed. When this happens we will update the [MeSH release files](#) and list the changes below.

Two new MeSH headings were added as of Jan 28th, 2016

- [Zika Virus](#)
- [Zika Virus Infection](#)

These headings are immediately available by downloading the latest version of [2016 MeSH](#) data.

We created these headings in response to the Zika virus epidemic, which is transmitted to people primarily through the bite of an infected Aedes species mosquito. These are the same mosquitoes that spread Dengue and Chikungunya viruses.



Aedes mosquito: Pan American Health Organization

https://www.nlm.nih.gov/mesh/mid_year_changes.html

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Search results

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 [\[Zika virus\].](#)

1. Kably Ambe A.

Ginecol Obstet Mex. 2016 Feb;84(2):4 p preceding 65. Spanish. No abstract available.

PMID: 27290831

[Similar articles](#) [INFECTIOUS DISEASE. Mosquito hunters search for Zika vectors.](#)

2. Vogel G.

Science. 2016 Jun 3;352(6290):1152-3. doi: 10.1126/science.352.6290.1152. No abstract available.

PMID: 27257232

[Similar articles](#) [Positive IgM for Zika virus in the cerebrospinal fluid of 30 neonates with](#)3. [microcephaly in Brazil.](#)

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Lancet. 2016 Apr 30;387(10030):1811-2. doi: 10.1016/S0140-6736(16)30253-7. Epub 2016 Apr 18. No abstract available.

PMID: 27103126

[Similar articles](#) [Why the Zika outbreak marks a new normal for infectious disease.](#)

4. Walsh B.

Time. 2016 Feb 8;187(4):9-10. No abstract available.

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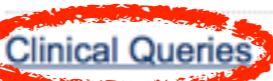
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PubMed Clinical Queries

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zika virus

[Search](#)

Clinical Study Categories

Category: [Therapy](#) ▾
Scope: [Broad](#) ▾

Results: 5 of 11

Insect Repellents in the Age of Zika. Our new tests identify what works and what doesn't against the bugs that can spread the virus and other serious diseases.

Interlandi J.
Consum Rep. 2016 Jul; 81(7):40-3.

Optimal Dose of Vitamin D3 400 I.U. for Average Adults has A Significant Anti-Cancer Effect, While Widely Used 2000 I.U. or Higher Promotes Cancer: Marked Reduction of Taurine & 1α, 25(OH)2D3 Was Found In Various Cancer Tissues and Oral Intake of Optimal Dose of Taurine 175mg for Average Adults, Rather Than 500mg, Was Found to Be A New Potentially Safe and More Effective Method of Cancer Treatment.

Omura Y, Lu D, Jones MK, Nhrane A, Duvvi H, Yapor D, Shimotsuura Y, Ohki M.
Acupunct Electrother Res. 2016; 41(1):39-60.

[Not Available].

Nau JY.
Rev Med Suisse. 2016 Mar 23; 12(511):622-3.

Zika virus: a new challenge for blood transfusion.

Musso D, Stramer SL, AABB Transfusion-Transmitted Diseases Committee, Busch MP, International Society of Blood Transfusion Working Party on Transfusion-Transmitted Infectious Diseases.
Lancet. 2016 May 14; 387(10032):1993-4. Epub 2016 May 3.

Knowledge regarding Zika virus infection among dental practitioners of tricity area (Chandigarh, Panchkula and Mohali), India.

Gupta N, Randhawa RK, Thakar S, Bansal M, Gupta P, Arora V.
Niger Postgrad Med J. 2016 Jan-Mar; 23(1):33-7.

[See all \(11\)](#)

This column displays citations filtered to a specific clinical study category and scope. These search filters were developed by Haynes RB et al. See more filter information.

Systematic Reviews

Results: 5 of 7

Scoping Review of the Zika Virus Literature.

Waddell LA, Greig JD.
PLoS One. 2016; 11(5):e0156376. Epub 2016 May 31.

Zika Virus Infection: Current Concerns and Perspectives.

Maharajan MK, Ranjan A, Chu JF, Foo WL, Chai ZX, Lau EY, Ye HM, Theam XJ, Lok YL.
Clin Rev Allergy Immunol. 2016 May 28; . Epub 2016 May 28.

The Emergence of Zika Virus: A Narrative Review.

Anderson KB, Thomas SJ, Endy TP.
Ann Intern Med. 2016 May 3; . Epub 2016 May 3.

Microcephaly and Zika virus: a clinical and epidemiological analysis of the current outbreak in Brazil.

Nunes ML, Carlini CR, Marinowic D, Neto FK, Fiori HH, Scotta MC, Zanella PL, Soder RB, da Costa JC.
J Pediatr (Rio J). 2016 May-Jun; 92(3):230-40. Epub 2016 Apr 15.

History, Epidemiology, and Clinical Manifestations of Zika: A Systematic Review.

Paixão ES, Barreto F, da Glória Teixeira M, da Conceição N Costa M, Rodrigues LC.
Am J Public Health. 2016 Apr; 106(4):606-12.

[See all \(7\)](#)

This column displays citations for systematic reviews, meta-analyses, reviews of clinical trials, evidence-based medicine, consensus development conferences, and guidelines. See [filter information](#) or additional [related sources](#).

Medical Genetics

Topic: [All](#) ▾

Results: 5 of 69

Forging Collaborative Relationships in Brazil: From AIDS to ZIKV.

O'Connor DH, Osorio JE, Tanuri A, Kallas EG.
Cell. 2016 Jun 30; 166(1):2-4.

Assessing Seasonal Risks for the Introduction and Mosquito-borne Spread of Zika Virus in Europe.

Rocklöv J, Quam MB, Sudre B, German M, Kraemer MU, Brady O, Bogoch II, Liu-Helmersson J, Wilder-Smith A, Semenza JC, et al.

EBioMedicine. 2016 Jun 10; . Epub 2016 Jun 10.

Dengue virus sero-cross-reactivity drives antibody-dependent enhancement of infection with zika virus.

Dejnirattisai W, Supasa P, Wongwiwat W, Rouvinski A, Barba-Spaeth G, Duangchinda T, Sakuntabhai A, Cao-Lormeau VM, Malasit P, Rey FA, et al.
Nat Immunol. 2016 Jun 23; . Epub 2016 Jun 23.

Production of immunogenic West Nile virus-like particles using a herpes simplex virus 1 recombinant vector.

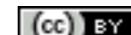
Taylor TJ, Diaz F, Colgrove RC, Bernard KA, DeLuca NA, Whelan SP, Knipe DM.
Virology. 2016 Jun 20; 496:186-193. Epub 2016 Jun 20.

Epidemiology of Chikungunya Virus in Bahia, Brazil, 2014-2015.

Rodrigues Faria N, Lourenço J, Marques de Cerqueira E, Maia de Lima M, Pybus O, Carlos Junior Alcantara L.
PLoS Curr. 2016 Feb 1; 8. Epub 2016 Feb 1.

[See all \(69\)](#)

This column displays citations pertaining to topics in medical genetics. See [more filter information](#).



ライフサイエンス統合データベースセンター

予め設定されたPubMed検索テンプレート

Category	Optimized For	Sensitive/ Specific	PubMed Equivalent
therapy	sensitive/broad	99%/70%	((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials as topic[MeSH Terms] OR clinical trial[Publication Type] OR random*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading])
	specific/narrow	93%/97%	(randomized controlled trial[Publication Type] OR (randomized[Title/Abstract] AND controlled[Title/Abstract] AND trial[Title/Abstract]))
diagnosis	sensitive/broad	98%/74%	(sensitiv*[Title/Abstract] OR sensitivity and specificity[MeSH Terms] OR diagnose[Title/Abstract] OR diagnosed[Title/Abstract] OR diagnoses[Title/Abstract] OR diagnosing[Title/Abstract] OR diagnosis[Title/Abstract] OR diagnostic[Title/Abstract] OR diagnosis[MeSH:noexp] OR diagnostic * [MeSH:noexp] OR
	specific/narrow	64%/98%	(specificity[Title/Abstract])
etiology	sensitive/broad	93%/63%	(risk*[Title/Abstract] OR risk*[MeSH:noexp] OR risk *[MeSH:noexp] OR cohort studies[MeSH Terms] OR group[Text Word] OR groups[Text Word] OR grouped [Text Word])
	specific/narrow	51%/95%	((relative[Title/Abstract] AND risk*[Title/Abstract]) OR (relative risk[Text Word]) OR risks[Text Word] OR cohort studies[MeSH:noexp] OR (cohort[Title/Abstract] AND study[Title/Abstract]) OR (cohort[Title/Abstract] AND studies[Title/Abstract]))
prognosis	sensitive/broad	90%/80%	(incidence[MeSH:noexp] OR mortality[MeSH Terms] OR follow up studies[MeSH:noexp] OR prognos*[Text Word] OR predict*[Text Word] OR course*[Text Word])
	specific/narrow	52%/94%	(prognos*[Title/Abstract] OR (first[Title/Abstract] AND episode[Title/Abstract]) OR cohort[Title/Abstract])
clinical prediction guides	sensitive/broad	96%/79%	(predict*[tiab] OR predictive value of tests[mh] OR score[tiab] OR scores[tiab] OR scoring system[tiab] OR scoring systems[tiab] OR observ*[tiab] OR observer variation[mh])
	specific/narrow	54%/99%	(validation[tiab] OR validate[tiab])

http://www.ncbi.nlm.nih.gov/books/NBK3827/#pubmedhelp.Clinical_Queries_Filters

Search Strategy Used to Create the Systematic Reviews Subset on PubMed

```
(systematic review [ti] OR meta-analysis [pt] OR meta-analysis [ti] OR systematic literature review [ti] OR this systematic review [tw] OR pooling project [tw] OR  
(systematic review [tiab] AND review [pt]) OR meta synthesis [ti] OR meta synthesis [ti] OR integrative review [tw] OR integrative research review [tw] OR  
rapid review [tw] OR consensus development conference [pt] OR practice guideline [pt] OR drug class reviews [ti] OR cochrane database syst rev [ta] OR acp journal club [ta] OR  
health technol assess [ta] OR evid rep technol assess summ [ta] OR jbi database system rev implement rep [ta]) OR (clinical guideline [tw] AND management [tw]) OR  
((evidence based[ti] OR evidence-based medicine [mh] OR best practice* [ti] OR evidence synthesis [tiab])  
AND (review [pt] OR diseases category[mh] OR behavior and behavior mechanisms [mh] OR therapeutics [mh] OR  
evaluation studies[pt] OR validation studies[pt] OR guideline [pt] OR pmcbook))  
OR  
((systematic [tw] OR systematically [tw] OR critical [tiab] OR (study selection [tw])) OR  
(predetermined [tw] OR inclusion [tw] AND criteri* [tw]) OR exclusion criteri* [tw] OR main outcome measures [tw] OR  
standard of care [tw] OR standards of care [tw])  
AND  
(survey [tiab] OR surveys [tiab] OR overview* [tw] OR review [tiab] OR reviews [tiab] OR search* [tw] OR  
handsearch [tw] OR analysis [ti] OR critique [tiab] OR appraisal [tw] OR  
(reduction [tw] AND (risk [mh] OR risk [tw]) AND (death OR recurrence)))  
AND  
(literature [tiab] OR articles [tiab] OR publications [tiab] OR publication [tiab] OR  
bibliography [tiab] OR bibliographies [tiab] OR published [tiab] OR pooled data [tw] OR  
unpublished [tw] OR citation [tw] OR citations [tw] OR database [tiab] OR internet [tiab] OR textbooks [tiab] OR  
references [tw] OR scales [tw] OR papers [tw] OR datasets [tw] OR trials [tiab] OR meta-analy* [tw] OR  
(clinical [tiab] AND studies [tiab]) OR treatment outcome [mh] OR treatment outcome [tw] OR pmcbook))  
NOT  
(letter [pt] OR newspaper article [pt])
```

https://www.nlm.nih.gov/bsd/pubmed_subsets/sysreviews_strategy.html

PubMedから直接BLASTを利用する

PubMed Search Help

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Primary reference assembly (GRCh38)
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Sort by Relevance to quickly find articles that most closely match your query.

[Analysis of Culex and Aedes mosquitoes in southwestern Nigeria revealed no West Nile virus activity.](#)
Sule WF, Oluwayelu DO.
Pan Afr Med J. 2016 Mar 17;23:116. doi: 10.11604/pamj.2016.23.116.7249. eCollection 2016.
PMID: 27279943 [Free PMC Article](#)
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[The Simple Chordate *Ciona intestinalis* Has a Reduced Complement of Genes Associated with Fanconi Anemia.](#)
Stanley EC, Azzinaro PA, Vierra DA, Howlett NG, Irvine SQ.
Evol Bioinform Online. 2016 Jun 6;12:133-48. doi: 10.4137/EBO.S37920. eCollection 2016.
PMID: 27279728 [Free PMC Article](#)
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[SinEx DB: a database for single exon coding sequences in mammalian genomes.](#)
Jorquera R, Ortiz R, Ossandon F, Cárdenas JP, Sepúlveda R, González C, Holmes DS.
Database (Oxford). 2016 Jun 7;2016. pii: baw095. doi: 10.1093/database/baw095. Print 2016.
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Reference genome
A new revision of the human reference sequence, GRCh38, was released in December, 2013. The genome... more

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Annotation release 106
Genome size 3,209 Mb
Genes and pseudogenes 41,566
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Results by year

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PMC Images search for human genome blast

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- 複合語の検索は二重引用符()で囲むことで可能
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- 例:
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 - Open Data
 - × Linked Open
- 最新の文献およびPubMedのみに含まれる文献はMeSHタームでは検索できない
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 Quoted phrase not found.

- [Molecular characterization of tospoviruses associated with ringspot disease in bell pepper from different districts of Himachal Pradesh.](#)

Sharma A, Kulshrestha S.

Virusdisease. 2016 Jun;27(2):188-92. doi: 10.1007/s13337-016-0315-y. Epub 2016 Apr 21.

PMID: 27366771

- [FLIRT-ing with Zika: A Web Application to Predict the Movement of Infected Travelers Validated Against the Current Zika Virus Epidemic.](#)

Huff A, Allen T, Whiting K, Breit N, Arnold B.

PLoS Curr. 2016 Jun 10;8. pii: ecurrents.outbreaks.711379ace737b7c04c89765342a9a8c9. doi: 10.1371/currents.outbreaks.711379ace737b7c04c89765342a9a8c9.

PMID: 27366587

- [Loss of Hippocampal Oligodendrocytes Contributes to the Deficit of Contextual Fear Learning in Adult Rats Experiencing Early Bisphenol A Exposure.](#)

Xu XB, Fan SJ, He Y, Ke X, Song C, Xiao Y, Zhang WH, Zhang JY, Yin XP, Kato N, Pan BX.

Mol Neurobiol. 2016 Jun 30. [Epub ahead of print]

PMID: 27364615

- [Keeping you at arm's length: modifying peripersonal space influences interpersonal distance.](#)

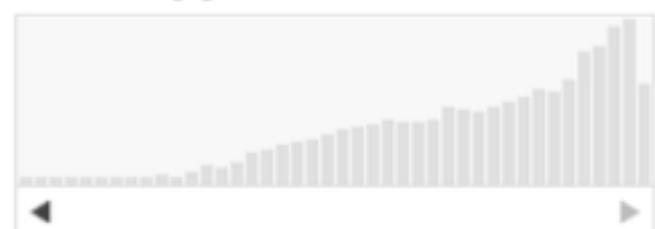
Quesque F, Ruggiero G, Mouta S, Santos J, Iachini T, Coello Y.

Psychol Res. 2016 Jun 30. [Epub ahead of print]

PMID: 27364612

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Pseudohypoparathyroidism and Gsa-cAMP-linked disorders: [Nat Rev Endocrinol. 2016]

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Abstract **Send to:**

[Int J Med Inform.](#) 2014 Nov;83(11):860-8. doi: 10.1016/j.ijmedinf.2014.08.005. Epub 2014 Aug 25.

Comparison of electronic health record system functionalities to support the patient recruitment process in clinical trials.

Schreiweis B¹, Trinczek B², Köpcke F³, Leusch T⁴, Majeed RW⁵, Wenk J⁶, Bergh B⁷, Ohmann C⁶, Röhrig R⁵, Dugas M², Prokosch HU³.

Author information

Abstract

OBJECTIVES: Reusing data from electronic health records for clinical and translational research and especially for patient recruitment has been tackled in a broader manner since about a decade. Most projects found in the literature however focus on standalone systems and proprietary implementations at one particular institution often for only one singular trial and no generic evaluation of EHR systems for their applicability to support the patient recruitment process does yet exist. Thus we sought to assess whether the current generation of EHR systems in Germany provides modules/tools, which can readily be applied for IT-supported patient recruitment scenarios.

METHODS: We first analysed the EHR portfolio implemented at German University Hospitals and then selected 5 sites with five different EHR implementations covering all major commercial systems applied in German University Hospitals. Further, major functionalities required for patient recruitment support have been defined and the five sample EHRs and their standard tools have been compared to the major functionalities.

RESULTS: In our analysis of the site's hospital information system environments (with four commercial EHR systems and one self-developed system) we found that - even though no dedicated module for patient recruitment has been provided - most EHR products comprise generic tools such as workflow engines, querying capabilities, report generators and direct SQL-based database access which can be applied as query modules.

PMID: 25189709 [PubMed - indexed for MEDLINE]

for future developments that EHR customers and vendors focus much more on the provision of dedicated patient recruitment modules.

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KEYWORDS: Clinical trials; Electronic health records; Hospital information systems; Patient selection

PMID: 25189709 [PubMed - indexed for MEDLINE]



Publication Types, MeSH Terms

Publication Types

- [Comparative Study](#)
- [Multicenter Study](#)
- [Research Support, Non-U.S. Gov't](#)
- [Review](#)

MeSH Terms

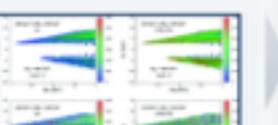
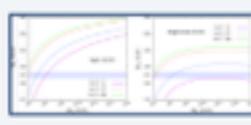
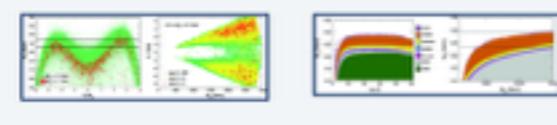
- [Academic Medical Centers/organization & administration*](#)
- [Clinical Trials as Topic/methods*](#)
- [Electronic Health Records/organization & administration*](#)
- [Germany](#)
- [Health Records, Personal*](#)
- [Information Storage and Retrieval/methods*](#)
- [Patient Selection*](#)

Abstract ▾

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Eur Phys J C Part Fields. 2014;74(5):2704. Epub 2014 May 27.**Implications of the Higgs discovery for the MSSM.**Djouadi A¹.[Author information](#)**Abstract**

The implications of the discovery of the Higgs boson at the LHC with a mass of approximately 125 GeV are summarised in the context of the minimal supersymmetric extension of the Standard Model, the MSSM. Discussed are the implications from the measured mass and production/decay rates of the observed particle and from the constraints in the search for the heavier Higgs states at the LHC.

PMID: 25814886 [PubMed]**PMID: 25814886 [PubMed] PMCID: PMC4371076 Free PMC Article****Images from this publication. See all images (20) Free text****Publication Types****Publication Types**REVIEW**LinkOut - more resources****Full Text Sources**EBSCOEurope PubMed CentralGale DatabasesProQuestPubMed CentralPubMed Central Canada

実習

iPS細胞に関する山中先生が著者
に含まれている論文を探す
(MeSH Databaseから検索)



Allie
文献で使われる略語
を検索

inMeXes
文献で使われる英語
表現を検索

隨時更新
無料

Colil
引用情報の検索

Allie (アリー)

文献で使われる略語とその展開形を検索

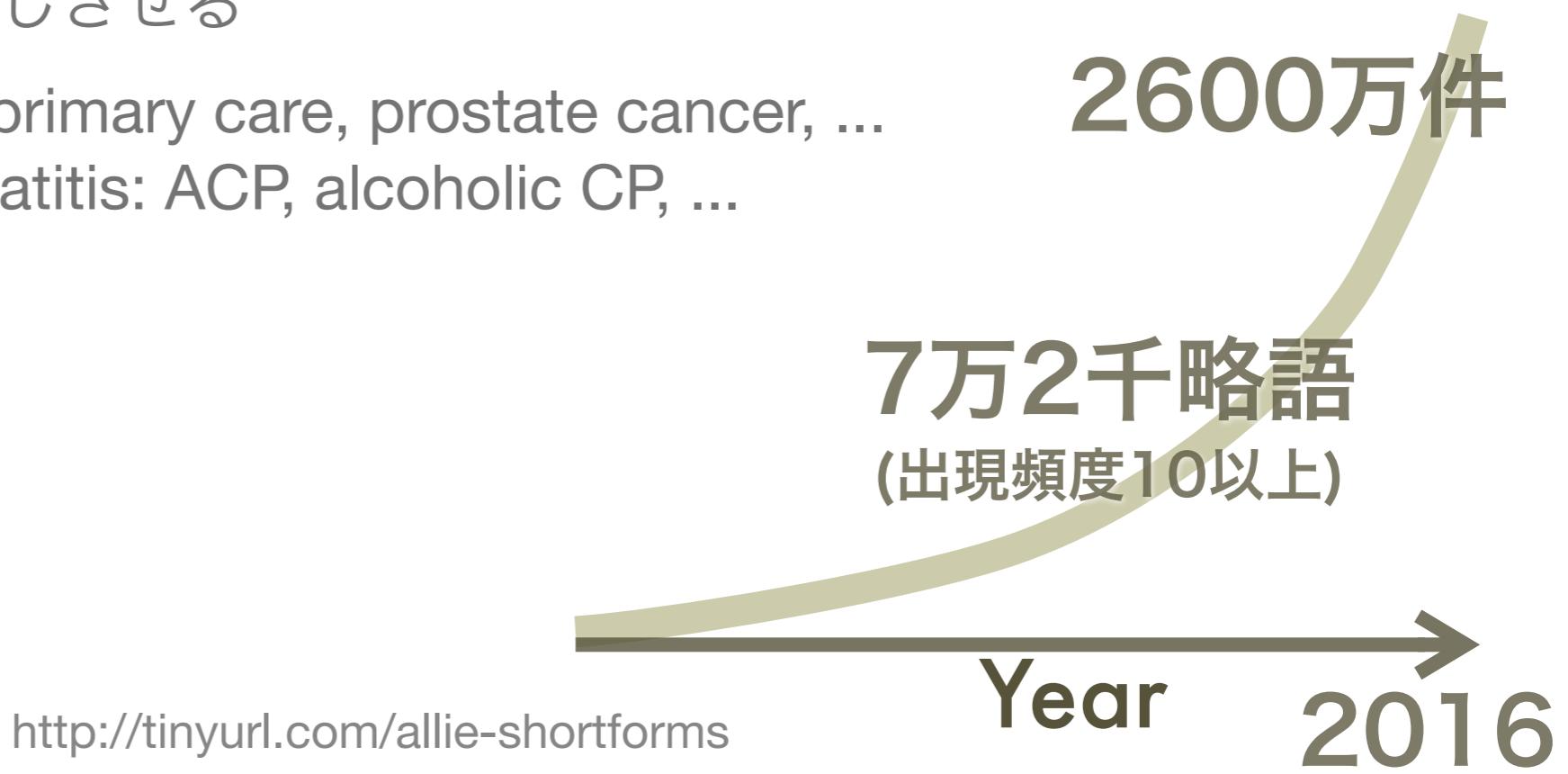


<http://allie.dbcls.jp/>



生命科学分野の文献中には略語が多い

- 研究者により自由に略語が生み出されている
発表文献数は増加の一途 (PubMedには2000報以上追加/日)
- 多くの多義語・類義語が存在
- 読み手に誤解と混乱を生じさせる
PC: personal computer, primary care, prostate cancer, ...
Alcoholic chronic pancreatitis: ACP, alcoholic CP, ...



生命科学系の略語を簡単に調べる方法はないか？

新たに作られた略語も含めて

Toxicol Sci. 2010 Feb;113(2):293-304. Epub 2009 Oct 25.

Effects of cytochrome P450 inhibitors on the biotransformation of fluorogenic substrates by adult male rat liver microsomes and cDNA-expressed rat cytochrome P450 isoforms.

Makaji E, Trambitas CS, Shen P, Holloway AC, Crankshaw DJ.

Department of Obstetrics & Gynecology, McMaster University, Ontario, Canada.

Abstract

We have evaluated the use of a panel of six fluorogenic cytochrome P450 (CYP) substrates as

計算機を用いて自動的に抽出

7-methoxy-4-methylcoumarin (AMMC), 7-benzyloxy-4-(trifluoromethyl)-coumarin, 7-benzyloxyquinoline, 3-cyano-7-ethoxycoumarin, 7-methoxy-4-(trifluoromethyl)-coumarin, and 7-ethoxy-4-trifluoromethyl-coumarin by microsomes from adult male rat liver were characterized, their sensitivities to 15 putative inhibitors were determined and compared to similar experiments using nine different complementary DNA (cDNA)-expressed rat CYPs. Inhibitory profiles of the substrates in microsomes were different from each other, with some overlap, suggesting that each substrate is to some extent specific for one or more CYPs. CYP2A1 was selective for AMMC and clotrimazole were nonselective for all substrates except AMMC. CYP2E1 was insensitive to

complementary DNA - cDNA

約2600万件

reactive oxygen species
ROS

high-performance liquid
chromatography
HPLC

superoxide dismutase
SOD

⋮



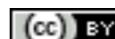
MEDLINEに含まれる全文献情報を対象に抽出

約1705万ペア

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<http://tinyurl.com/allie-paircount>

<http://tinyurl.com/allie-paircount-unique>



ライフサイエンス統合データベースセンター

- 日本語訳があれば提示
reactive oxygen species / 活性酸素種, 反応性酸素生成物
- よく使われる分野を提示、絞り込みも可能
Biochemistry / 生化学, 生物化学
- 出現文献情報を提示
ROS - (1980) Evidence for both oxygen and non-oxygen dependent mechanisms of antibody sensitized target cell lysis by human monocytes.
- 同じ文献で使われている他の略語 (共起略語) も提示
ROS -SOD, NO, NAC, ...

ペア出現頻度の経年変化

Allie A Search Service for Abbreviation / Long Form

■ 詞語/展開語 : iPS / induced pluripotent stem

[関連PubMed/MEDLINE情報]
合計出現文献数: 1328

2010
NumberOfPapers: 205

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[>> 全件](#)

[1ページの表示件数]
20 :

ページ移動
◀ ▶

1 / 5 ページ

略語: [RDF](#) iPS (>> 共起略語)
展開形: [RDF](#) induced pluripotent stem
DBpediaへのリンク

■ 略語バリエーション
■ 展開形バリエーション
■ ペア(略語/展開形)バリエーション

No.	発表年	題目	共起略語
1	2016	5-HT2 receptors mediate functional modulation of GABAa receptors and inhibitory synaptic transmissions in human iPS-derived neurons.	mIPSCs
2	2016	A Simple and Efficient Method of Slow Freezing for Human Embryonic Stem Cells and Induced Pluripotent Stem Cells.	ES
3	2016	Amniotic Fluid Stem Cells: A Novel Source for Modeling of Human Genetic Diseases.	AFS
4	2016	Cell Therapy for Parkinson's Disease.	PD
5	2016	Conversion of Prostate Adenocarcinoma to Small Cell Carcinoma-Like by Reprogramming.	TF
6	2016	Cynomolgus Monkey Induced Pluripotent Stem Cells Generated By Using Allogeneic Genes.	ES
7	2016	Derivation of Skeletal Myogenic Precursors from Human Pluripotent Stem Cells Using Conditional Expression of PAX7.	—
8	2016	Differentiation patterns of mouse embryonic stem cells and induced pluripotent stem cells into neurons.	DRG, ES
9	2016	Donor Dependent Variations in Hematopoietic Differentiation among Embryonic and Induced Pluripotent Stem Cell Lines.	ES, MSC
10	2016	Early ERK1/2 activation promotes DRP1-dependent mitochondrial fission necessary for cell reprogramming.	—
11	2016	Efficient biotechnological approach for lentiviral transduction of induced pluripotent stem cells.	EB, GFP

発展的な利用

- ftpでデータベースのダウンロードが無料で可能
 - 毎週更新
- APIにより利用者の開発したプログラムから検索可能
 - SOAP / REST / SPARQL
 - <http://data.allie.dbcls.jp/>

Allie: 略語／展開形検索

Allie A Search Service for Abbreviation / Long Form

■ 略語／展開形の検索

[検索語] (略語、展開形、もしくはそれらの一部)

[検索]

[リセット]

[ヘルプ] [略語一覧]

"SPF"で試す 検索オプション

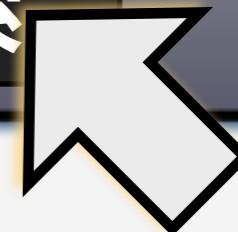
Allieとは?

Allie(アリー)は生命科学分野において利用されている略語とその展開形を検索するサービスです。文献中に多く出現する略語は多義語であることが多い。

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略語のアリー

検索



Allieの使い方を動画で解説しています。[こちら](#)をご覧ください。

新着情報ブログ

データを更新した際に追加された略語などについての情報を[こちら](#)にアップしています。

関連文献

Allieの詳細については下記の文献を参照してください。:

Y. Yamamoto, A. Yamaguchi, H. Bono and T. Takagi, "Allie: a database and a search service of abbreviations and long forms.", Database, 2011:bar03.

[PubMed Entry](#) | [Full text paper available](#)

また、AllieはALICEという、MEDLINEデータから略語とその展開形の組を抽出するツールを利用しています。詳細は下記の文献を参照してください。:

H. Ao and T. Takagi, "ALICE: an algorithm to extract abbreviations from MEDLINE.", J Am Med Inform Assoc., 2005 Sep-Oct;12(5):576-86.

[PubMed Entry](#) | [Full text paper available](#)

更新

最終更新日: 2011年7月11日 (一ヶ月毎の更新)

動画チュートリアル(統合TV)

[IE8][DBCLS][文献検索][辞書] Allieを使って略語の正式名称を検索する2010.8.31

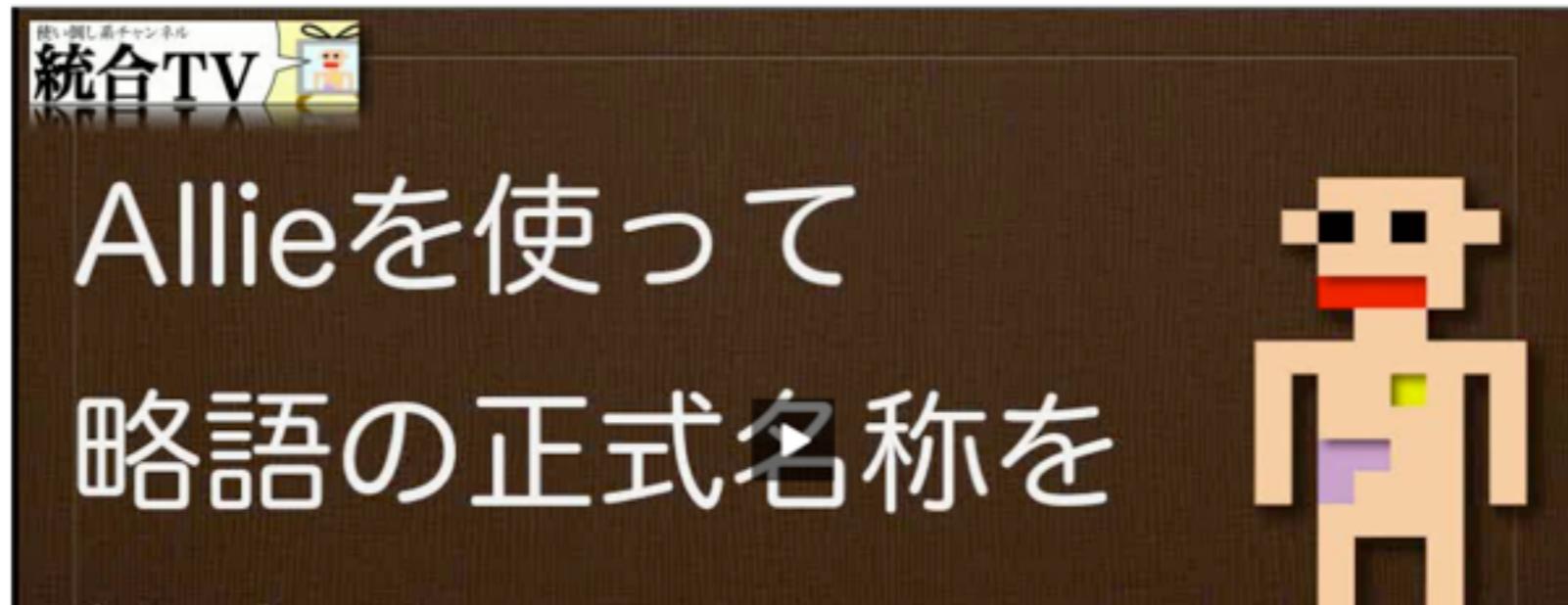
Allie（「アリー」と発音します）は、ライフサイエンス統合データベースセンター(DBCLS)が提供する医学生物系論文書誌情報データベース MEDLINEを対象とし、出現する略語（略字）とその正式名称のペアを検索するシステムです。

生命科学系の論文では非常に多くの略語が使われており、同じ表記でも全く違う意味を示していることが少なくありません。Allieでは、利用者の興味のある略語を検索語として入力することで、その使われ方をMEDLINE中によく現れる順で一覧表示すると共に、その略語が使われた論文の発表年を提示しています。また、検索された各略語について、その意味で使われている論文中で共起する他の略語も同時に検索されることが特徴です。

2009年版と比べると、略語一覧の検索機能が強化されています。また、2009年当時よりもiPS細胞の検索順位が上がっている点も興味深いでしょう。

画像をクリックすると動画が再生されます。

Follow me



<http://togotv.dbcls.jp/20100831.html#p01>

AllieデータベースへのSPARQL検索結果例

研究分野がVirologyである文献中に出現する略語

頻度	略語	展開形	対訳
14956	HIV-1	human immunodeficiency virus type 1	ヒト免疫不全ウイルス1型
14867	EBV	Epstein-Barr virus	((略)) EBウイルス, (DNA腫瘍ウイルス) エプスタイン・バーウイルス, Epstein-Barrウイルス
6566	RT	reverse transcriptase	逆転写酵素
6560	HSV	herpes simplex virus	単純ヘルペスウイルス, 単純疱疹ウイルス
5800	HSV-1	herpes simplex virus type 1	単純ヘルペスウイルス1型
5632	RSV	respiratory syncytial virus	(呼吸器に感染するニューモウイルス) RSウイルス, 呼吸器合胞体ウイルス, 呼吸器多核体ウイルス
4870	HA	hemagglutinin	ヘマグルチニン, 血球凝集素, 赤血球凝集素
4349	ORFs	open reading frames	(DNA上でタンパク質をコードする範囲) 翻訳領域, オープンリーディングフレーム, 読み取り枠, 読み枠
4312	HCMV	human cytomegalovirus	ヒトサイトメガロウイルス
3475	VZV	varicella-zoster virus	水痘・帯状疱疹ウイルス, 水痘帯状疱疹ウイルス

UniProtとの連合検索例

UniProt
SPARQL Downloads Documentation/Help Contact

Results http://tinyurl.com/uniprot-w-allie-ex1

[Sparql XML](#) [Sparql JSON](#) [CSV](#) [Show query](#)

protein	sfr1
http://purl.uniprot.org/uniprot/B2V5N9	coaX
http://purl.uniprot.org/uniprot/B2V5P9	glgA
http://purl.uniprot.org/uniprot/B2V5U1	ligA
http://purl.uniprot.org/uniprot/B2V5V9	accD
http://purl.uniprot.org/uniprot/B2V5W6	der
http://purl.uniprot.org/uniprot/B2V630	aroA
http://purl.uniprot.org/uniprot/B2V688	
http://purl.uniprot.org/uniprot/B2V6E2	
http://purl.uniprot.org/uniprot/B2V6F1	
http://purl.uniprot.org/uniprot/B2V6F5	
http://purl.uniprot.org/uniprot/B2V6N5	
http://purl.uniprot.org/uniprot/B2V6N6	
http://purl.uniprot.org/uniprot/B2V6N7	
http://purl.uniprot.org/uniprot/B2V6N8	
http://purl.uniprot.org/uniprot/B2V6R9	
http://purl.uniprot.org/uniprot/B2V6T8	
http://purl.uniprot.org/uniprot/B2V6W9	
http://purl.uniprot.org/uniprot/B2V6Y7	
http://purl.uniprot.org/uniprot/B2V7A4	
http://purl.uniprot.org/uniprot/B2V7C0	
http://purl.uniprot.org/uniprot/B2V7L6	
http://purl.uniprot.org/uniprot/B2V7S8	
http://purl.uniprot.org/uniprot/B2V7T1	
http://purl.uniprot.org/uniprot/B2V7Y5	
http://purl.uniprot.org/uniprot/B2V847	

Your query

Add common prefixes

```
1 PREFIX rdfs:<http://www.w3.org/2000/01/rdf-schema#>
2 PREFIX skos:<http://www.w3.org/2004/02/skos/core#>
3 PREFIX faldo:<http://biohackathon.org/resource/faldo#>
4 PREFIX up:<http://purl.uniprot.org/core/>
5 PREFIX allie:<http://purl.org/allie/ontology/201108#>
6 SELECT ?protein ?sfr1
7 WHERE {
8   SERVICE <http://data.allie.dbcls.jp/sparql/>{
9     ?pc allie:hasShortFormRepresentationOf ?sfr .
10    ?pc allie:hasLongFormRepresentationOf ?lfr .
11    ?sfr rdfs:label ?sfr1 .
12    ?lfr rdfs:label "(脳や癌細胞の代謝活性を測定するPET診断薬) フッ素18-フルオロアキシグロコース"@ja .
13  }
14  ?protein up:encodedBy/(skos:prefLabel|skos:altLabel) ?sfr1
15 }
```

Submit Query Cancel

sfrl
"18-FDG"@en
"18F-FDG"@en
"18FDG"@en
"F-18 FDG"@en
"F-18-FDG"@en
"F-FDG"@en
"FDC"@en
"fludeoxyglucose F
"F 18 FDG"@en

http://tinyurl.com/allie-uniprot-service-ex1

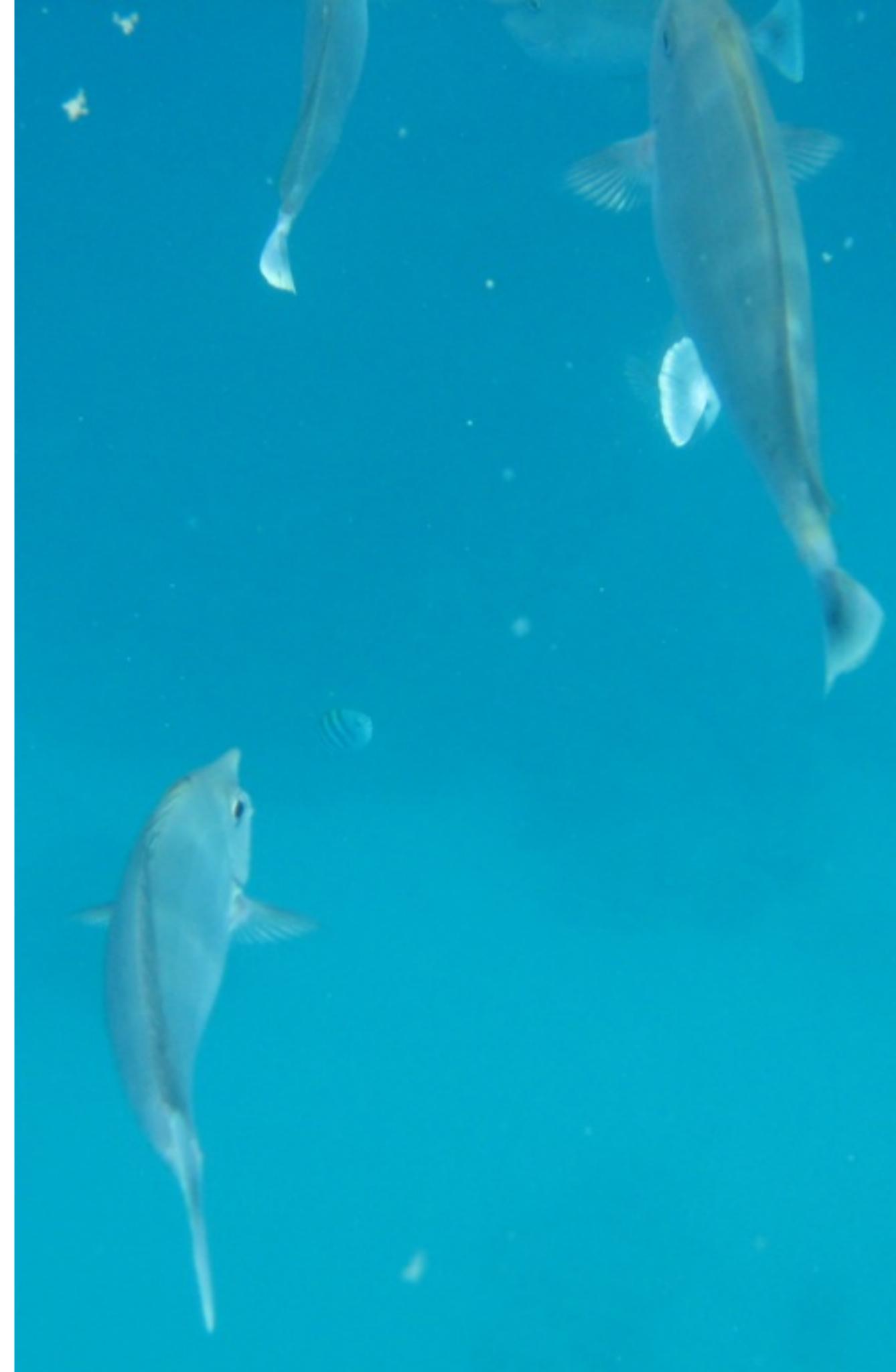
(cc) BY

ライフサイエンス統合データベースセンター

<https://twitter.com/jervenbolleman/status/743753769729462273>

実習

- 略語MERSの展開形を検索
- 共起略語をみて、MERSよりも MERS-CoVとして使われている 文献が多いことを確認する
- 目的の展開形について、詳細情報として実際に利用されている 表現や文献リストを確認する



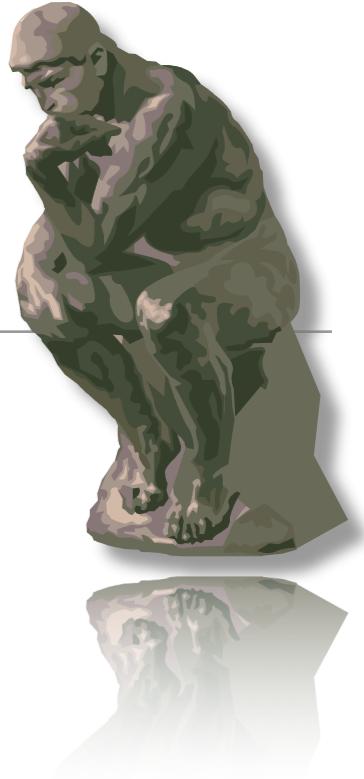
inMeXes (インメクセズ)

文献中に書かれている英語表現を検索



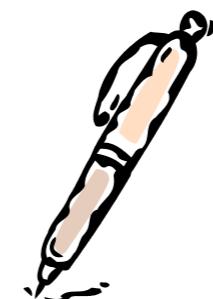
<http://docman.dbcls.jp/im/>

英作文をしていると出くわす悩み

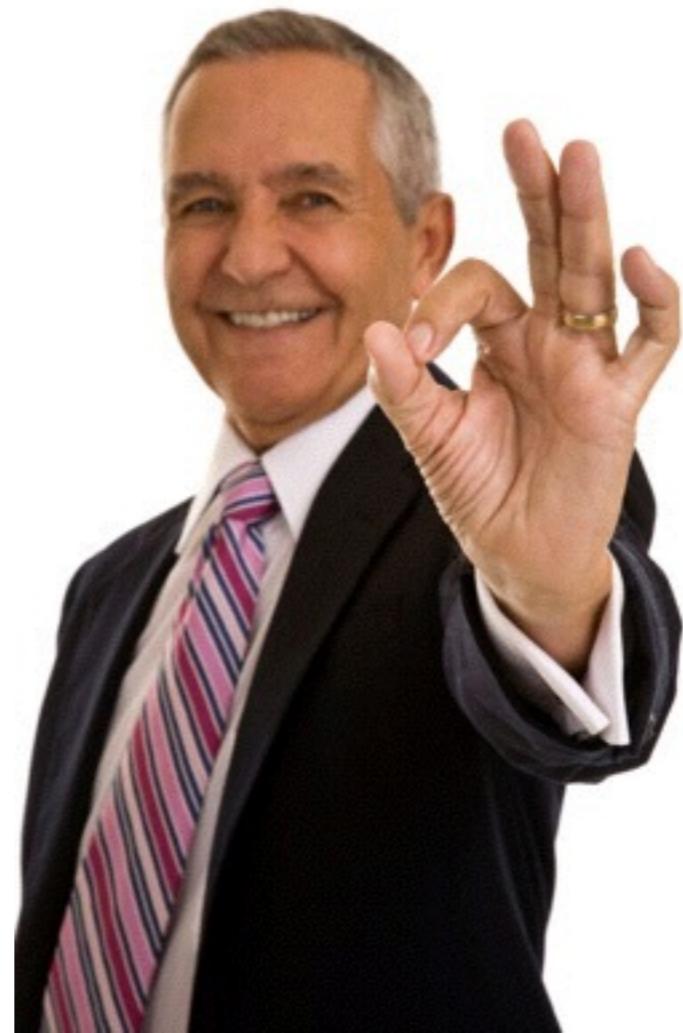


- is associated に続く前置詞は何だったっけ?
- リン酸化に対応する英単語、phosの続きはどう綴ったかな?
- associated with を修飾する副詞、文献でよく使われているものは何だろう?
- thermodynamic parameters には the が付くことが多い?
付いている場合の実際の文章は?

is associated ...



inMeXes にお任せください!



inMeXes

- 高速

MEDLINEに含まれる全ての題目、要旨中の表現を高速に検索

- 軽快

4文字以上入力すると、キーを叩く毎に検索結果を表示

- 便利

結果は頻度順、気になる表現をクリックすると関連情報を表示

関連情報例: PubMedアブストラクト中の表現

PMID	Location	Line	Sentence
6061748	Abstract	4	In the remaining 31 patients the degree of hypertriglyceridemia was highly correlated with the insulin response elicited by the ingestion of the high carbohydrate formula ($P < 0.005$).
16657751	Abstract	3	The ratio of chlorophyll a to b, which rose sharply in young leaves, was highly correlated with the onset of net photosynthesis.
4555981	Abstract	2	The magnitude of their pulse increment was highly correlated with their subjective experiences.
4555981	Abstract	3	Three of the 12 subjects subsequently received triangle up(9)-tetrahydrocannabinol labeled with carbon-14; the time course of its concentration in plasma was highly correlated with the pulse increment.
4694388	Abstract	2	Cancer of the breast and colon was highly correlated with fat and animal protein.
4512610	Abstract	5	The rate of marrow granulocyte egress was highly correlated with (a) barrier pore diameter. Since final elongation without exogenous substrate was highly correlated with initial content of total carbohydrate and reducing
16658458	Abstract	7	sugar, carbohydrates seem to be the major endogenous growth substrates. The Avena segments are composed of three distinct morphological units: node, internode, and encircling leaf sheath.
4451548	Abstract	5	5. Regression analysis showed that vesicular ATP content was highly correlated with vesicular acetylcholine content in different experiments, the molar ratio acetylcholine/ATP being $5.32+/-$ (s.e.m.) 0.45 (21 expts.) for the peak density-gradient fraction.
234690	Abstract	7	However, the medial thickness of the small pulmonary arteries in control animals was highly correlated with the development of pulmonary hypertension and right ventricular hypertrophy in hypoxic animals.
1117877	Abstract	13	The time of treatment p.c. was highly correlated with the frequency of aberrations.
1130495	Abstract	4	This amount of change was statistically significant and was highly correlated with the observed corneal steepening.
49375	Abstract	4	Body temperature was found to decline with advancing age and was highly correlated with thyroid function.
1155425	Abstract	3	The presence of increased hemoglobin concentrations in the addict population was highly correlated with the presence of abnormalities in liver function.
808301	Abstract	2	This duration was highly correlated with the amount of lipids.
1158105	Abstract	5	MST was highly correlated with the percentage of adults alive after 227 days, which did not change the ranking order of strain longevity.
169242	Abstract	2	The in vitro nuclear binding of all the analogues tested was highly correlated with their published thyromimetic potencies in the intact animals.
1176721	Abstract	7	Elevation of serum IgE level at or before 1 yr of age was highly correlated with atopic disease in the first 2 yr of life.
1182356	Abstract	4	Diabetics were shown by questionnaire to consume substantially more saccharin than non-diabetics, and the duration of regular saccharin use by diabetics was highly correlated with the duration of diabetes.
1278655	Abstract	5	There was distinctly greater separation between control and liver disease groups by test of $^{14}\text{CO}_2$ radioactivity at 1 hr than by serum alkaline phosphatase, total bilirubin, and transaminase, but only slightly better separation than by serum albumin concentration (which was highly correlated with $^{14}\text{CO}_2$ output). (2) Direct stimulants of DA receptors should enhance self-stimulation of NA sites by augmenting dopaminergic motivational activity; but in rats with DA electrodes, noncontingent stimulation of DA receptors would also impose similar noncontingent activity on the
133356	Abstract	7	transsynaptic noradrenergic reinforcement pathways and thus depress self-stimulation; this was confirmed by the finding that apomorphine (0.3-1.0 mg/kg) was strongly stimulant for NA electrodes but strongly depressant for DA electrodes, and that the degree and direction of these effects was highly correlated with the differential effects of d- l-amphetamine ($\rho = .65$, p less than 0.01).
952836	Abstract	5	3. Apparent digestibility of OM in the rumen decreased from 0-300 to 0-242 with cold exposure, and was highly correlated with turnover time in the rumen of 103Ru, which was used as a particulate marker.
956340	Abstract	7	Bone-resorbing surface was highly correlated with total phosphorus intake.
957082	Abstract	4	Form Accuracy was highly correlated with the DL score and correlated with MA at a slightly higher level than DL with MA.
972211	Abstract	5	Within each group, rank on mental age was highly correlated with rank in breadth of learning.
967016	Abstract	2	The excretion of fecal solids was highly correlated with the intake of unavailable carbohydrates, and fecal losses of water were similarly correlated with fecal excretion of these constituents.
.....	Stimulation by pools of 20 cells was highly correlated with the general "responsiveness" of responding cells as measured by their mean

やや高度な使い方: 正規表現フィルタ

- 例: was _ correlated withの_にはどのような表現があるかを知りたい

correlated with で終わる 表現を検索。 フィルタを表示
正規表現フィルタ(?): ^was にマッチする表現のみ に絞る フィルタのクリア 正規表現について
例: was _ correlated withの_にはどのような表現があるかを知りたい場合、最初の検索ボックスにcorrelated withを入力し、「で終わる」表現を検索とします。そして正規表現フィルタで^wasと入力し(wasの次に半角スペース)、「に絞る」を指定します。(結果)
最大結果表示件数: 20, 検索結果のリンク先: LSD共起リスト, Permalink(?)

37881	was correlated with Neoplasms / Neurology / Medicine
15444	was positively correlated with Medicine / Neurology / Neoplasms
15352	was significantly correlated with Neoplasms / Neurology / Medicine
8613	was negatively correlated with Neurology / Medicine / Endocrinology
7288	was not correlated with Neoplasms / Neurology / Medicine
5511	was inversely correlated with Neoplasms / Medicine / Endocrinology
3443	<u>was highly correlated with</u> Neurology / Physiology / Neoplasms
2842	was strongly correlated with Neoplasms / Neurology / Medicine
1661	was closely correlated with Neoplasms / Biochemistry / Physiology
1495	was not significantly correlated with Neoplasms / Neurology / Psychiatry
1489	was well correlated with Neoplasms / Biochemistry / Pharmacology
1432	was also correlated with Neoplasms / Neurology / Medicine
1141	was directly correlated with Neoplasms / Biochemistry / Medicine
744	was found to be correlated with Neoplasms / Biochemistry / Neurology
632	was significantly positively correlated with Environmental Health / Psychiatry / Neurology
475	was linearly correlated with Physiology / Biochemistry / Pharmacology
471	was significantly negatively correlated with Environmental Health / Neurology / Psychiatry
430	was also significantly correlated with Neoplasms / Neurology / Physiology
376	was moderately correlated with Neurology / Psychiatry / Pediatrics
374	was also positively correlated with Neoplasms / Medicine / Endocrinology

発展的な利用

- API (JSONP) による検索が可能
 - ご自身のブログやホームページに検索サービスを埋め込みます
 - API Keyなどの認証は不要

Incremental PubMed/MEDLINE Expression Search: inMeXes (インメクセズ)

http://docman.dbcls.jp/im/

Allie API仕様 | English

逐次PubMed/MEDLINE表現検索 inMeXes

4文字以上入力すると検索が始まります。
(大文字小文字は区別されます。ハイphenとスラッシュは結果に空白として表示されます。入力された情報は暗号化されて送信されます。)

inMeXesとは?

is associated を含む 表現を検索。 フィルタを表示
最大結果表示件数: 20 検索結果のリンク先: LSD共起リスト Permalink(?)

<http://docman.dbcls.jp/im/>

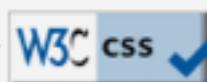
インメクセズ

検索

3297 is associated with reduced
3274 is associated with significant
3181 is associated with high
2863 is associated with decreased
2793 is associated with an increase
2673 and is associated with a
2672 gene is associated with

Cardiology / Vascular Diseases / Endocrinology
General Surgery / Cardiology / Medicine
General Surgery / Medicine / Cardiology
Cardiology / Neoplasms / Endocrinology
Physiology / Biochemistry / Cardiology
General Surgery / Cardiology / Neoplasms
Genetics, Medical / Molecular Biology / Neoplasms

inMeXes はDBCLSにより提供されています。ご利用に際してサイトポリシーをご覧下さい。
『英辞郎 on the WEB』とは、EDP制作の英和・和英データベース（英辞郎）をウェブブラウザ経由で利用できるサービスです。
※「英辞郎」は道端早知子氏の登録商標です。
ご意見等ございましたらこちらまでお寄せください。support AT dbcls.rois.ac.jp



動画チュートリアル(統合TV)

☞ [DBCLS][winxp][Firefox][文献検索][辞書] inMeXesを使い倒す

今回の統合TVでは、DBCLSが提供する、文献中の英語表現を軽快に検索するサービスinMeXesを紹介します。

PubMed/MEDLINEに含まれる書誌情報のタイトルやアブストラクトに10回以上出現する2語以上から成る英語表現を入力のたびごとに即座に候補を検索します。結果はPubMed/MEDLINE中の出現頻度と共に表示され、ある動詞の後に続く適切な前置詞を検索したり、ある単語の前後にどういう語がくることが多いなどを検索することができます。

画像をクリックするとFlash版のムービーが再生されます。

Flashよりも高画質なQuickTimeムービー版はこちらをご覧下さい。

YouTube版はこちらです。

ここを押すと動画のスーパーが読みます。

ここで抽出された書誌のデータが表示されます。

YouTube版はこちで見ます。

Flash版はこちで見ます。



Follow me

<http://togotv.dbcls.jp/20091216.html#p01>

実習

- contributeと入力して続く前置詞を確認する
- informationと入力して下記の表現の利用頻度を見る
 - information of
 - information on
 - information about
- 以上の表現について、実際の文章を確認する



Colil (コリル)

文献の引用情報を検索

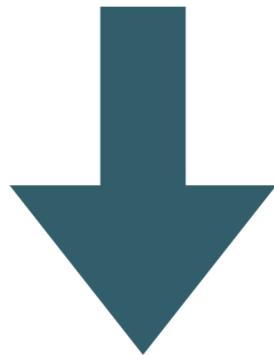
<http://colil.dbcls.jp/>



ライフサイエンス統合データベースセンター

ある文献に関する第三者からの視点

- ・ある文献について、当該文献の著者ではない研究者による評価はどうだろう？
- ・ある文献について、共によく引用されている文献はあるだろうか？
- ・引用したい文献について、特に英語での適切な記述例はないだろうか？



Collがお答えします

Colil (Comments on literature in literature)

- 特定の論文について、その引用記述を検索します
- 特定の論文について、他の論文から共に引用されている論文を表示します
- 引用記述抽出対象はPMIDを持つPMC OA (Open Access) サブセットです
(約131万件、PubMed全体の5%強)
- 約814万件のPMID付き文献がPMC OAサブセットから引用されています
(PubMed全体の1/3強)
- 現バージョンは2016年4月時点取得時のものです

PubMed ID or PubMed検索語を入力

Colil by DBCLS (最終更新日: 2016年4月21日) ヘルプ Colil Data Portal

被引用論文を指定
PubMed IDを直接入力するか、PubMed検索の結果を利用することもできます。
PubMed IDを入力
10592235 Search 「10592235」で試す

OR
キーワードを入力 (PubMed検索)
PubMedの検索オプションを利用することができます。例: "analysis 1995:2000[dp] "J Biol Chem"[jour]"
Keywords here Search 「IPS 2006:2008[dp] "Cell"[jour]」で試す

入力後、エンターキーまたは"Search"ボタンを押してください。

関連論文 SPARQLクエリを表示

480 Gapped BLAST and PSI-BLAST: a new generation of protein database search programs. PubMed PMC

257 Dictionary of protein secondary structure: pattern recognition of hydrogen-bonded and geometrical features. PubMed PMC

253 SCOP: a structural classification of proteins database for the investigation of sequences and

Authors' Comment What do other papers say about a paper?
1 PubMed ID
もしくは
2 PubMed検索語

15318951 1033 MUSCLE: a multiple sequence alignment method with reduced time and space complexity.
Edgar RC BMC Bioinformatics. 2004 Aug 19;5:113.

results To compare speeds for a larger number of sequences, we created a test set by using PSI-BLAST to search the NCBI non-redundant protein sequence database for hits to dienoyl-coa isomerase (1dci in the Protein Data Bank [49]), selecting the highest-scoring 1,000 sequences. This set of sequences had average length 282, maximum length 454 and average pair-wise identity 20%.

17452350 750 MolProbity: all-atom contacts and structure validation for proteins and nucleic acids.
Davis IW, Leaver-Fay A, Chen VB, Block JN, Kapral GJ, Wang X, Murray LW, Arendall WB 3rd, Snoeyink J, Richardson JS, Richardson DC Nucleic Acids Res. 2007 Jul;35(Web Server issue):W375-83.

introduction They are best when determined at high resolution or with many restraints per residue, but even then are not perfect: nearly all structures in the Protein Data Bank (PDB; 1) have a few local errors, such as backwards-fit branched sidechains, flipped amides and imidazoles, incorrect sugar puckers, misoriented ligands, misidentified 'waters' and local errors in chain tracing.

20360767 692 I-TASSER: a unified platform for automated protein structure and function prediction.
Roy A, Kucukural A, Zhang Y Nat Protoc. 2010 Apr;5(4):725-38.

introduction This impediment has been aggravated in recent years due to the fact that the percentage of protein sequences in UniProtKB/TrEMBL1 with a solved protein structure in the PDB library2 plunged to 0.6% by the end of 2009; this number was 2% in 2004 and 1.2% in 2007.

18215316 546 I-TASSER server for protein 3D structure prediction.
Zhang Y BMC Bioinformatics. 2008;9:40.

(cc) BY ライフサイエンス統合データベースセンター

被引用論文を指定

PubMed IDを直接入力するか、PubMed検索の結果を利用することで指定できます。

PubMed IDを入力

Search

「10592235」で試す

OR

キーワードを入力 (PubMed検索)

PubMedの検索オプションを利用することができます。例: *apoptosis* 1995:2000[dp]
"J Biol Chem"[jour]

Search

「IPS 2006:2008[dp] "Cell"[jour]」で試す

入力後、エンターキーまたは"Search"ボタンを押してください。

関連論文

[SPARQLクエリを表示](#)

- 935 [Induction of pluripotent stem cells from adult human fibroblasts by defined factors.](#)

- 726 [Induced pluripotent stem cell lines derived from human somatic cells.](#)

- 415 [Generation of germline-competent induced pluripotent stem cells.](#)

- 406 [Embryonic stem cell lines derived](#)

Authors' Comment What do other papers say about a paper?**Induction of pluripotent stem cells from mouse embryonic and adult fibroblast cultures by defined factors.**

Takahashi K, Yamanaka S Cell. 2006 Aug 25;126(4):663-76. PMID:16904174

is cited by the following papers.

← 前へ 合計: 3334, 20 (1ページの件数), 1 / 167ページ 次へ →

並べ替え citedBy

[SPARQLクエリを表示](#)

- 18509334 508 Dissecting direct reprogramming through integrative genomic analysis.
Mikkelsen TS, Hanna J, Zhang X, Ku M, Wernig M, Schorderet P, Bernstein BE, Jaenisch R, Lander ES, Meissner A Nature. 2008 Jul 3;454(7200):49-55.

partially reprogrammed during initial attempts to generate iPS cells⁷.
cell lines
- 20644535 478 Epigenetic memory in induced pluripotent stem cells.
Kim K, Doi A, Wen B, Ng K, Zhao R, Cahan P, Kim J, Aryee MJ, Ji H, Ehrlich LI, Yabuuchi A, Takeuchi A, Cunniff KC, Hongguang H, McKinney-Freeman S, Naveiras O, Yoon TJ, Irizarry RA, Jung N, Seita J, Hanna J, Murakami P, Jaenisch R, Weissleder R, Orkin SH, Weissman IL, Feinberg AP, Daley GQ Nature. 2010 Sep 16;467(7313):285-90.

introduction Direct reprogramming of somatic cells with the transcription factors Oct4, Sox2, Klf4, and c-Myc¹ yields induced pluripotent stem cells (iPSC) with striking similarity to embryonic stem cells from fertilized embryos (fESC).
- 20192806 469 Differentiation of effector CD4 T cell populations (*).
Zhu J, Yamane H, Paul WE Annu Rev Immunol. 2010;28:445-89.
- plasticity of t helper cells Even terminally differentiated fibroblasts can be reprogrammed to become inducible pluripotent stem cells by the transduction of the transcription factors Oct4/Klf4/Sox2/Myc (288, 289). Likewise, Pax5 deletion in B cells causes them to lose B cell identity and to gain the potential to develop into T cells (290). Deleting Gata3 from Th2 cells allows the production of IFN-γ (57); reduction of Foxp3 in Tregs renders them

発展的な使い方

- ftpでデータベースのダウンロードが無料で可能
- APIにより利用者の開発したプログラムから検索可能
 - REST / SPARQL
 - <http://colil.dbcls.jp/>

SPARQLクエリ例

Query of Authors' Comment

X

```
prefix colil: <http://purl.jp/bio/10/colil/ontology/201303#>
prefix bibo: <http://purl.org/ontology/bibo/>
prefix dc: <http://purl.org/dc/elements/1.1/>
prefix doco: <http://purl.org/spar/doco/>
prefix togows: <http://togows.dbcls.jp/ontology.ncbi-pubmed#>
prefix rdfs: <http://www.w3.org/2000/01/rdf-schema#>
prefix rdf: <http://www.w3.org/1999/02/22-rdf-syntax-ns#>
select ?pmid ?title ?section ?pmcid ?comment where {
    ?context colil:mentions <http://purl.jp/bio/10/colil/id/10592235>;
        rdf:value ?comment.
    ?secnode doco:contains ?context;
        dc:title ?section.
    ?from doco:contains ?secnode;
        rdfs:seeAlso ?pmuri.
    ?pmuri rdf:type colil:PubMed;
        togows:ti ?title;
        togows:pmid ?pmid.
    optional {?from colil:pmcid ?pmcid.}
}
order by ASC(?pmid)
offset 0
limit 20
```

Identify a target paper

You can input a PubMed ID directly or via a PubMed search.

Input a PubMed ID

Try : 10592235

OR

Input keywords

You can use search options such as

Authors' Comment

 What do other papers say about a paper?

The Protein Data Bank.

Berman HM, Westbrook J, Feng Z, Gilliland G, Bhat TN, Weissig H, Shindyalov IN, Bourne PE Nucleic Acids Res. 2000 Jan 1;28(1):235-42. PMID:10592235

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Total: 2386, 20



per page, Page: 1

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Sort by pmid

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検索

Relevant Papers

Show query

380 [Gapped BLAST and PSI-BLAST: a new generation of protein database search programs](#).

213 [SCOP: a structural classification of proteins database for the investigation of sequences and structures](#).

195 [Dictionary of protein secondary structure: pattern recognition of](#)

11423010 [Survey of human mitochondrial diseases using new genomic/proteomic tools](#)

PubMed

PMC

materials and methods

We routinely search the RCSB Protein Data Bank [49], for potential structural homologs. Profile matches with Z-scores above 10 are retained and used to align the profile-matched region to a structural domain.

11574057 [Reassignment of specificities of two cap methyltransferase domains in the reovirus lambda 2 protein.](#)

PubMed

PMC

results and discussion

Nonetheless, VAST [15] searches of the Protein Data Bank [16] revealed high similarity of both putative MTase domains to numerous known MTase structures.

11929612 [RNA:\(guanine-N2\) methyltransferases RsmC/RsmD and their homologs revisited--bioinformatic analysis and prediction of the active site based on the uncharacterized Mj0882 protein structure.](#)

PubMed

PMC

methods

Comparison of atomic coordinates with the protein structures from the Protein Data Bank [20] were carried out using VAST [21] and DALI [53]. SWISS-PDB VIEWER [54] was used for all protein structure manipulation,

動画チュートリアル(統合TV)

[文献検索][DBCLS] Colilを使って論文の引用情報を検索する

Colilは、生命科学分野の文献間の引用関係を検索・閲覧できるサービスです。ある論文について、他の論文が本文中でどのように引用し記述しているかを、効率的に調べることができます。

検索例やデータの詳細については、[Colil Data Portal](#)にまとめられています。

※動画にはBGM音声が付与されていますので、閲覧の際にはご注意ください。

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実習

- PDBの文献(PMID: 10592235)に対し、他の文献中でどのように触れられているのか概観する。
- 関連文献にはどのような研究課題があるのかを確認する。
- EMBL-EBIのバイオインフォ解析ツールに関する文献(PMID: 20439314)についてはどうか。



Questions?

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