

Outil d'auto apprentissage. Comment ça marche ?

Par Joel sandé

Une panoplie de requetes vous sont disponibles

<https://www.ncbi.nlm.nih.gov/pubmed>

The screenshot displays the PubMed website interface. At the top, there is a navigation bar with 'NCBI Resources' and 'How To' dropdown menus. The 'How To' menu is open, showing a list of topics including 'All How To', 'Chemicals & Bioassays', 'DNA & RNA', 'Data & Software', 'Domains & Structures', 'Genes & Expression', 'Genetics & Medicine', 'Genomes & Maps', 'Homology', 'Literature', 'Proteins', 'Sequence Analysis', 'Taxonomy', 'Training & Tutorials', and 'Variation'. Below the navigation bar, the PubMed logo is visible, along with a search bar and a 'Search' button. The main content area features a large banner for PubMed, stating that it comprises more than 28 million citations for biomedical literature from MEDLINE, life science journals, and online books. Below the banner, there are several sections: 'Using PubMed' with links to 'PubMed Quick Start Guide', 'Full Text Articles', 'PubMed FAQs', 'PubMed Tutorials', and 'New and Noteworthy'; 'PubMed Tools' with links to 'PubMed Mobile', 'Single Citation Matcher', 'Batch Citation Matcher', 'Clinical Queries', and 'Topic-Specific Queries'; 'More Resources' with links to 'MeSH Database', 'Journals in NCBI Databases', 'Clinical Trials', 'E-Utilities (API)', and 'LinkOut'; 'Latest Literature' with a list of new articles from highly accessed journals; and 'Trending Articles' with a list of articles with recent increases in activity.

NCBI Resources How To Sign in to NCBI

PubMed.gov
US National Library of Medicine
National Institutes of Health

PubMed

PubMed comprises more than 28 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.

Using PubMed

- [PubMed Quick Start Guide](#)
- [Full Text Articles](#)
- [PubMed FAQs](#)
- [PubMed Tutorials](#)
- [New and Noteworthy](#)

PubMed Tools

- [PubMed Mobile](#)
- [Single Citation Matcher](#)
- [Batch Citation Matcher](#)
- [Clinical Queries](#)
- [Topic-Specific Queries](#)

More Resources

- [MeSH Database](#)
- [Journals in NCBI Databases](#)
- [Clinical Trials](#)
- [E-Utilities \(API\)](#)
- [LinkOut](#)

Latest Literature

New articles from highly accessed journals

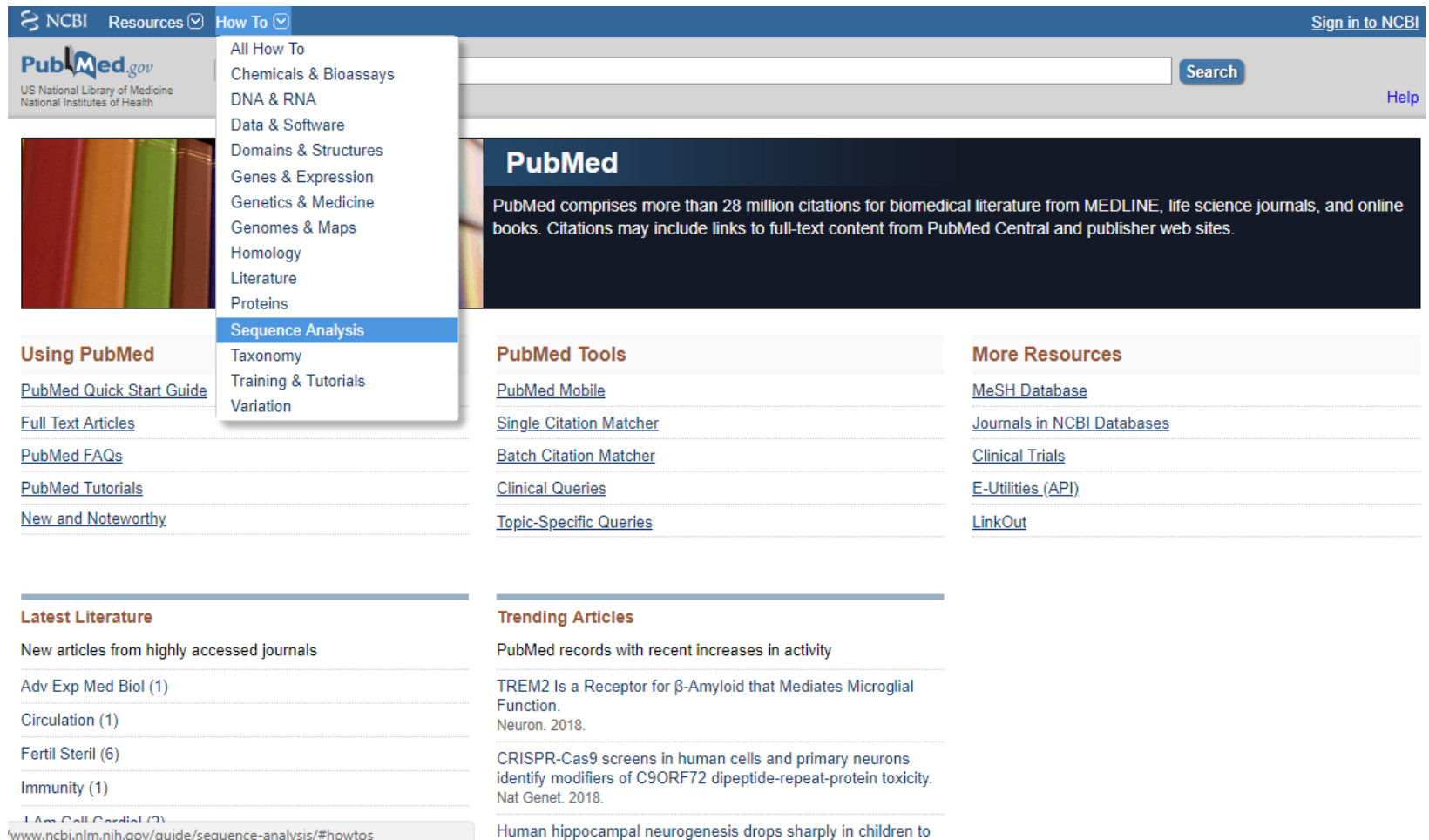
- [Adv Exp Med Biol \(1\)](#)
- [Circulation \(1\)](#)
- [Fertil Steril \(6\)](#)
- [Immunity \(1\)](#)

Trending Articles

PubMed records with recent increases in activity

- [TREM2 Is a Receptor for \$\beta\$ -Amyloid that Mediates Microglial Function.](#)
Neuron. 2018.
- [CRISPR-Cas9 screens in human cells and primary neurons identify modifiers of C9ORF72 dipeptide-repeat-protein toxicity.](#)
Nat Genet. 2018.

Allons par exemple sur la rubrique : Analyse de séquences



The screenshot shows the NCBI PubMed homepage. The 'How To' dropdown menu is open, with 'Sequence Analysis' highlighted. The page layout includes a top navigation bar, a search bar, a main content area with a PubMed banner, and several sidebars for resources, tools, and literature.

NCBI Resources **How To** [Sign in to NCBI](#)

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Latest Literature
New articles from highly accessed journals

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- [Circulation \(1\)](#)
- [Fertil Steril \(6\)](#)
- [Immunity \(1\)](#)
- [J Am Coll Cardiol \(2\)](#)

www.ncbi.nlm.nih.gov/guide/sequence-analysis/#howtos

Trending Articles

- PubMed records with recent increases in activity
- TREM2 Is a Receptor for β -Amyloid that Mediates Microglial Function. *Neuron*. 2018.
- CRISPR-Cas9 screens in human cells and primary neurons identify modifiers of C9ORF72 dipeptide-repeat-protein toxicity. *Nat Genet*. 2018.
- Human hippocampal neurogenesis drops sharply in children to

Outils pour faire de l'analyse de séquence

The screenshot shows the NCBI website interface. On the left is a navigation menu with categories like 'NCBI Home', 'Resource List (A-Z)', 'All Resources', 'Chemicals & Bioassays', 'Data & Software', 'DNA & RNA', 'Domains & Structures', 'Genes & Expression', 'Genetics & Medicine', 'Genomes & Maps', 'Homology', 'Literature', 'Proteins', 'Sequence Analysis' (highlighted), 'Taxonomy', 'Training & Tutorials', and 'Variation'. The main content area is titled 'Sequence Analysis' and has tabs for 'All', 'Databases', 'Downloads', 'Tools', and 'How To'. The 'How To' tab is selected, showing a list of links: 'Submit data to NCBI', 'Submit sequence data to NCBI', 'Obtain genomic sequence for/near a gene, marker, transcript or protein', 'Submit multiple query sequences in a single BLAST search', 'Design PCR primers and check them for specificity', 'Run BLAST software on a local computer', 'Automate BLAST searches performed on NCBI servers', and 'Compare your sequence to the RefSeqGene/LRG standard'. On the right, there is a 'Quick Links' section with links to 'BLAST (Stand-alone)', 'Basic Local Alignment Search Tool (BLAST)', 'Conserved Domain Search Service (CD Search)', 'Genome ProtMap', 'Genome Workbench', 'Primer-BLAST', 'ProSplign', and 'Splign'. A blue box at the bottom contains French text, with arrows pointing from the 'How To' tab and its list of links to it.

NCBI Resources How To Sign in to NCBI

NCBI National Center for Biotechnology Information

All Databases Search

Sequence Analysis

All Databases Downloads Tools How To

How To

- [Submit data to NCBI](#)
- [Submit sequence data to NCBI](#)
- [Obtain genomic sequence for/near a gene, marker, transcript or protein](#)
- [Submit multiple query sequences in a single BLAST search](#)
- [Design PCR primers and check them for specificity](#)
- [Run BLAST software on a local computer](#)
- [Automate BLAST searches performed on NCBI servers](#)
- [Compare your sequence to the RefSeqGene/LRG standard](#)

Quick Links

- BLAST (Stand-alone)
- Basic Local Alignment Search Tool (BLAST)
- Conserved Domain Search Service (CD Search)
- Genome ProtMap
- Genome Workbench
- Primer-BLAST
- ProSplign
- Splign

Vous avez tous les outils pour faire de l'analyse de séquence.

Des outils tels que BLAST sont aussi disponibles pour téléchargement pour usage local.

Outils pour faire de l'analyse de séquence

Voir aussi

- <https://www.ncbi.nlm.nih.gov/home/analyze/>

Analyze

NCBI provides a wide variety of data analysis tools that allow users to manipulate, align, visualize and evaluate biological data.

Selected Analysis Tools

[All Tools](#) [Literature](#) [Health](#) [Genomes](#) [Genes](#) [Proteins](#) [Chemicals](#)

Filter this table

Tools	Description
1000 Genomes Browser	Graphically depicts variant calls, genotype calls and supporting evidence (such as aligned sequence reads) that have been produced by the 1000 Genomes Project
Amino Acid Explorer	Explores amino acid properties, substitutions and functions
Assembly Archive	Links the raw sequence information found in the Trace Archive with assembly information found in GenBank/EMBL/DDBJ
Basic Local Alignment Search Tool (BLAST)	Finds regions of local similarity between biological sequences
Batch Entrez	Retrieves records specified in an uploaded file of identifiers
BioAssay Services	Tools that summarize the biological test results in the PubChem database
BLAST Link (BLink)	Displays the results of a pre-computed BLAST search of a protein against all other protein sequences at NCBI
BLAST Microbial Genomes	Finds regions of local similarity between query sequences and sequences from complete microbial genomes
BLAST RefSeqGene	Finds regions of local similarity between query sequences and genomic sequences in the RefSeqGene/LRG set
CDTree	Classifies protein sequences and investigates their evolutionary relationships
Cn3D	Displays and manipulates 3-dimensional structures and alignments from the Structure database
COBALT	Performs protein multiple sequence alignments
Concise Microbial Protein BLAST	Finds regions of local similarity between query proteins and proteins from complete microbial (prokaryotic) genomes
Conserved Domain Architecture Retrieval Tool (CDART)	Displays the functional domains that make up a given protein sequence
Conserved Domain Search Service (CD	Identifies the conserved domains present in a protein sequence

Outils pour faire un peu de tout

The screenshot shows the NCBI PubMed website. The 'How To' dropdown menu is open, displaying a list of categories: All How To, Chemicals & Bioassays, DNA & RNA, Data & Software, Domains & Structures, Genes & Expression, Genetics & Medicine, Genomes & Maps, Homology, Literature, Proteins, Sequence Analysis, Taxonomy, Training & Tutorials, and Variation. A blue arrow points from the 'All How To' option to the 'All Resources' section of the right-hand screenshot.

NCBI Resources How To

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Trending Articles
PubMed records with recent increases in activity
TREM2 Is a Receptor for β -Amyloid that Mediates Microglial Function.
Neuron. 2018.
CRISPR-Cas9 screens in human cells and primary neurons identify modifiers of C9ORF72 dipeptide-repeat-protein toxicity.
Nat Genet. 2018.
Human hippocampal neurogenesis drops sharply in children

The screenshot shows the NCBI website. The 'All Resources' section is highlighted in the 'Resource List (A-Z)' menu. The 'All Resources' section is also highlighted in the 'All Resources' tab. The 'How To' section is expanded, showing a list of links for various tasks.

National Center for Biotechnology Information

NCBI Home
Resource List (A-Z)
All Resources
Chemicals & Bioassays
Data & Software
DNA & RNA
Domains & Structures
Genes & Expression
Genetics & Medicine
Genomes & Maps
Homology
Literature
Proteins
Sequence Analysis
Taxonomy
Training & Tutorials
Variation

All Resources
All Databases Downloads Submissions Tools How To

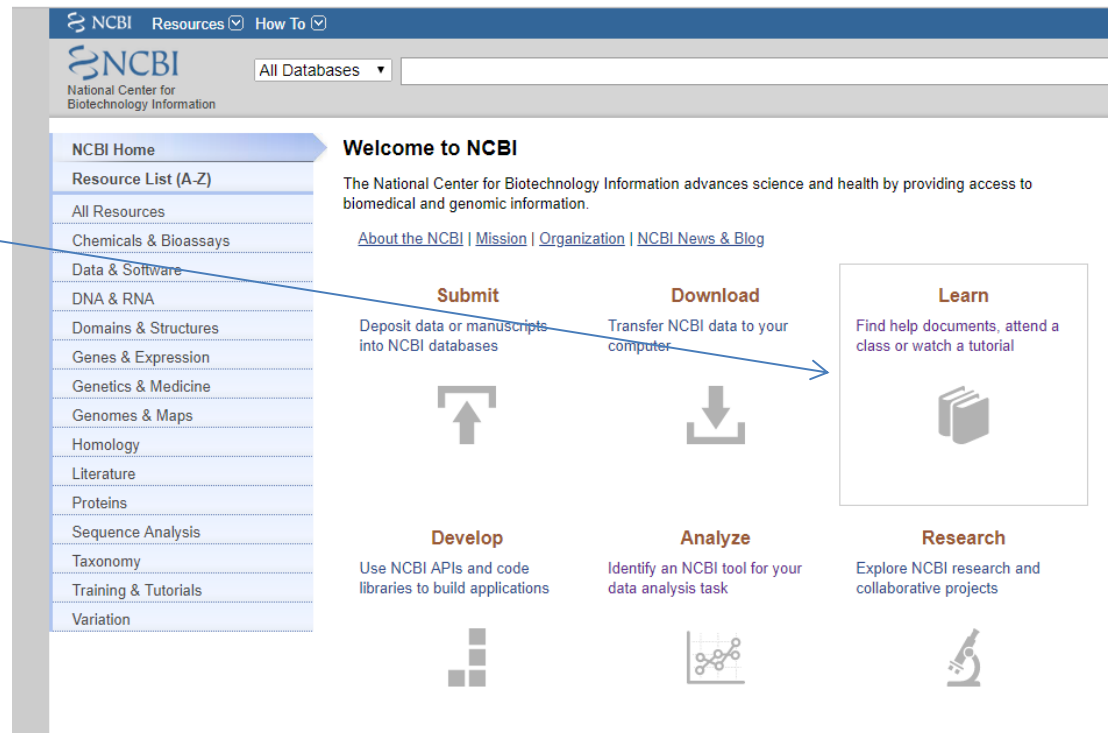
How To

- [Save text searches and set up automated searches with E-mailed results](#)
- [Submit data to NCBI](#)
- [Find information on glycans and glycobiology resources](#)
- [Find bioassays in which a given drug is active](#)
- [Find bioassays that test a particular disease or protein target](#)
- [Submit sequence data to NCBI](#)
- [Download NCBI Software](#)
- [Retrieve all sequences for an organism or taxon](#)
- [Find the function of a gene or gene product](#)
- [Obtain genomic sequence for/near a gene, marker, transcript or protein](#)
- [View all SNPs associated with a gene](#)
- [Find expression patterns](#)
- [Find genes associated with a phenotype or disease](#)
- [Find human variations associated with a phenotype or disease \(clinical association\)](#)
- [View/download features around an object or between two objects on a chromosome](#)
- [Find sequenced genomes, including those in progress, for a taxonomic group](#)
- [Compare protein homologs between two microbial genomes](#)
- [Download the complete genome for an organism](#)
- [Convert feature coordinates between genomic assemblies](#)
- [Display genomic annotation graphically](#)
- [Determine conserved synteny between the genomes of two organisms](#)
- [Find a homolog for a gene in another organism](#)
- [Obtain the full text of an article](#)
- [Find articles about a topic similar to that in a given article](#)
- [Find transcript sequences for a gene](#)
- [Link from an object on a map to another resource](#)
- [View the 3D structure of a protein](#)
- [Find a curated version of a sequence record \(NCBI Reference Sequence\)](#)
- [Align two or more 3D structures to a given structure](#)
- [Find published information on a gene or sequence](#)
- [Run BLAST software on a local computer](#)
- [Submit multiple query sequences in a single BLAST search](#)
- [Automate BLAST searches performed on NCBI servers](#)

Mettez celui-ci dans vos favoris

- <https://www.ncbi.nlm.nih.gov/>

L'un de vos favoris
sera certainement
la section Learn




L'un de vos favoris

La zone Tutoriels
contient une
panoplie de vidéos
pour vous guider


Learn

NCBI creates a variety of educational products including courses, workshops, webinars, training materials and documentation. NCBI educational materials are available for anyone to re-use and distribute.




Webinars & Courses

In-person courses, live webinars and webinar recordings




Conferences & Presentations

Booth exhibits and workshops at scientific conferences




Tutorials

Tutorials: Training materials in HTML, PDF and video formats



Documentation

Online manuals, handbooks, fact sheets and FAQs



L'un de vos favoris

Tutorials

Training materials in HTML, PDF and Video formats

Filter this table

Type	Title and Description
Video	A Guide to NCBI: Gene Expression, Part 1 Part 1 of the gene expression module from "A Librarian's Guide to NCBI," a workshop held at the National Library of Medicine in April 2013
Video	A Guide to NCBI: Gene Expression, Part 2 Part 2 of the gene expression module from "A Librarian's Guide to NCBI," a workshop held at the National Library of Medicine in April 2013
Video	A Guide to NCBI: Gene Expression, Part 3 Part 3 of the gene expression module from "A Librarian's Guide to NCBI," a workshop held at the National Library of Medicine in April 2013
PDF	Align 2 Sequences Aligning two groups of sequences and displaying the results in the NCBI sequence viewer
Video	Assign Downloaders for dbGaP Data Learn how an authorized user of controlled-access data can assign a downloader role to someone in his/her institution
PDF	Batch Data Download and Programmatic Access Survey of methods for accessing NCBI data using FTP, Aspera and APIs
PDF	BLAST Guide Overview of the various NCBI BLAST services and reports
Video	BLAST Results: Expect values, part 1 A simple description of the meaning and use of BLAST Expect values
Video	BLAST Results: Expect values, part 2 Answers to a few common questions about BLAST Expect values
Video	BLAST: New Results Format

Un panoplie de vidéos, PDF et de liens vous permettant d'apprendre pas mal de choses.

La liste est longue...

Pas de soucis : même moi, je suis incapable de tous les savoir. Alors c'est un site que vous consulterez fréquemment dépendamment de vos besoins.