Welcome

Searching PubMed for Research

Peggy Edwards, AMLS
TTUHSC - Preston Smith Library
Lubbock, Texas 79430

When searching library applications, use

chrome

Chrome is TTUHSC IT's supported browser!

Link

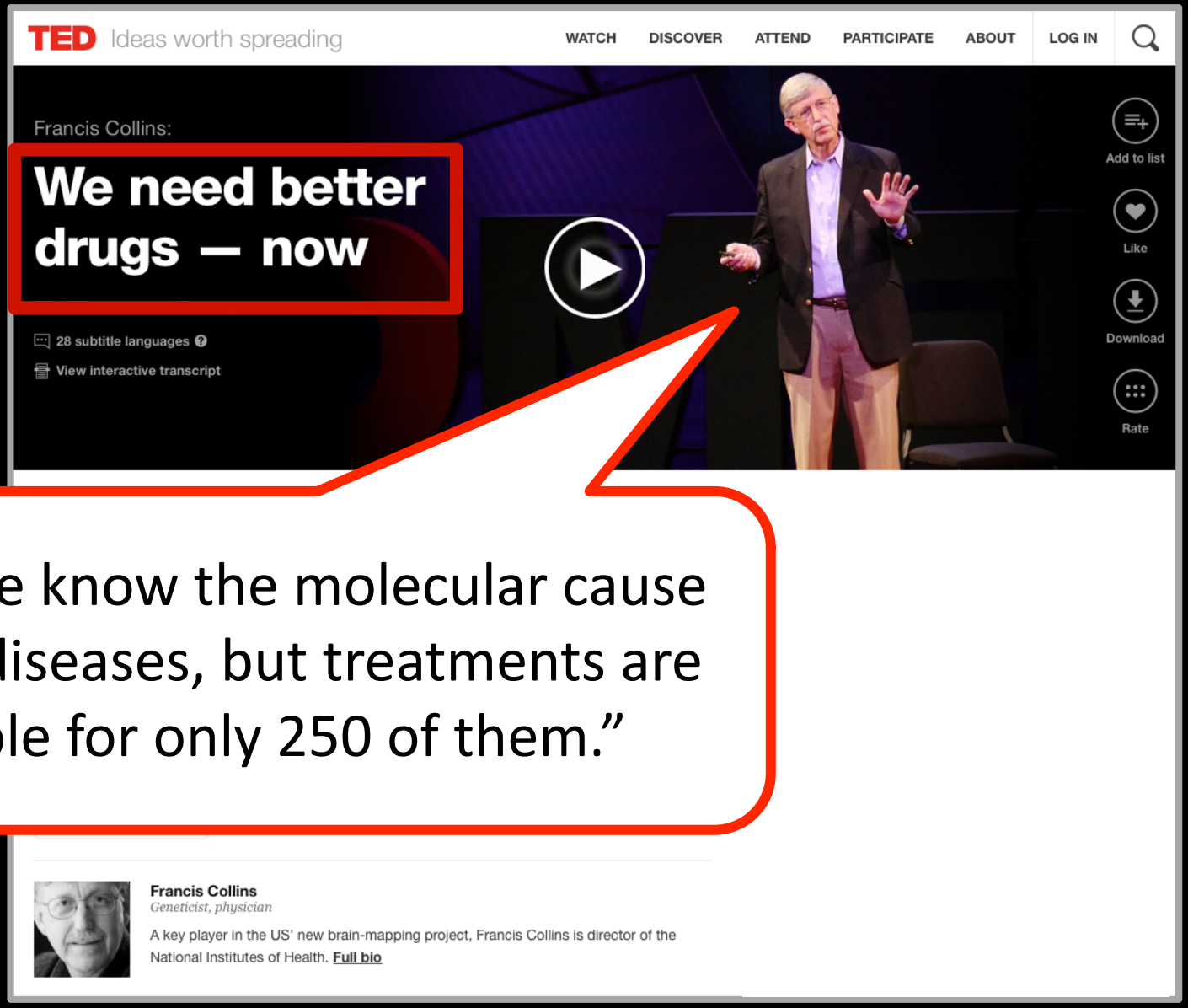
Today's power point ***Searching PubMed for Research****:*

under Orientations and Presentations

http://www.ttuhsc.edu/libraries/schools/som.aspx

Research Question Teaching Example

https://www.ted.com/talks/francis_collins_we_need_better_drugs_now



"Today, we know the molecular cause of 4,000 diseases, but treatments are available for only 250 of them."

Searching Research Questions

To be complete, need to search:

- PubMed
- Embase
- Cochrane Database of Systematic Reviews
- Cochrane Central Register of Controlled Trials
- Scopus
- Web of Science

Searching PubMed

PubMed Database

- Biomedical and life sciences journal literature

- International scope

- Developed and maintained by the:

  National Center for Biotechnology Information

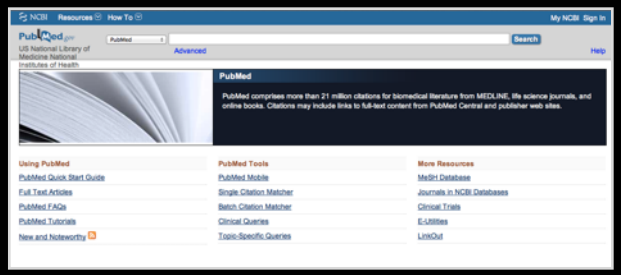
  at the U.S. National Library of Medicine

  at the National Institutes of Health

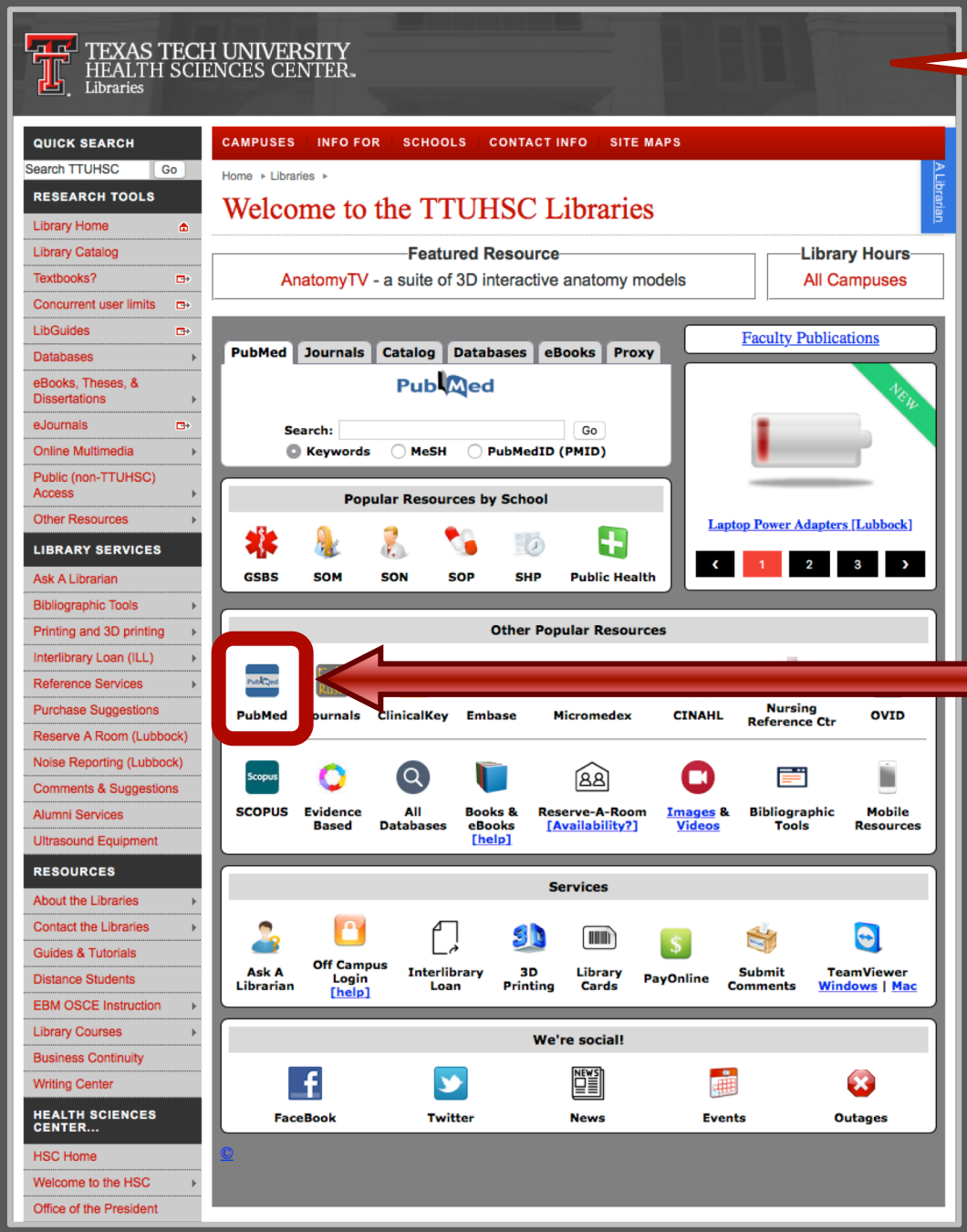
Accessing PubMed

Freely available over the Internet

@ www.pubmed.gov



Always access through ttuhsc.edu/libraries for ***free*** access to journals the libraries subscribe to!



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Click PubMed

PubMed

PubMed Home Page

Vocabulary: Using MeSH Database

MeSH Database

Terms in the database are called ***M***edical ***S***ubject ***H***eadings or ***MeSH***.

is a "controlled vocabulary list" of more than 25,000 subject headings.

MeSH Database is updated annually.

Frequently Used Mesh Categories – 2011

A Anatomy

A1 Body Regions
A2 Musculoskeletal System
A3 Digestive System
A4 Respiratory System
A5 Urogenital System
A6 Endocrine System
A7 Cardiovascular System
A8 Nervous System
A9 Sense Organs
A10 Tissues
A11 Cells
A12 Fluids and Secretions
A13 Animal Structures
A14 Stomatognathic System
A15 Hemic and Immune Systems
A16 Embryonic Structures
A17 Integumentary System
A18 Plant Structures
A19 Fungal Structures
A20 Bacterial Structures
A21 Viral Structures

B Organisms

B1 Eukaryota
B2 Archaea
B3 Bacteria
B4 Viruses
B5 Organism Forms

C Diseases

C1 Bacterial Infections & Mycoses
C2 Virus Diseases
C3 Parasitic Diseases
C4 Neoplasms
C5 Musculoskeletal Diseases
C6 Digestive System Diseases
C7 Stomatognathic Diseases
C8 Respiratory Tract Diseases
C9 Otorhinolaryngologic Diseases
C10 Nervous System Diseases
C11 Eye Diseases
C12 Male Urogenital Diseases
C13 Female Urogenital Diseases & Pregnancy Complications
C14 Cardiovascular Diseases
C15 Hemic & Lymphatic Diseases
C16 Congenital, Hereditary, & Neonatal Diseases & Abnormalities
C17 Skin & Connective Tissue Diseases
C18 Nutritional & Metabolic Diseases
C19 Endocrine System Diseases
C20 Immune System Diseases
C21 Disorders of Environmental Origin
C22 Animal Diseases
C23 Pathologic Conditions, Signs, and Symptoms
C24 Occupational Diseases
C25 Chemically-Induced Disorders
C26 Wounds and Injuries

D Chemicals & Drugs

D1 Inorganic Chemicals
D2 Organic Chemicals
D3 Heterocyclic Compounds
D4 Polycyclic Compounds
D5 Macromolecular Substances
D6 Hormones, Hormone Substitutes, & Hormone Antagonists
D8 Enzymes, & Coenzymes
D9 Carbohydrates
D10 Lipids
D12 Amino Acids, Peptides, & Proteins
D13 Nucleic Acids, Nucleotides, & Nucleosides
D20 Complex Mixtures
D23 Biologic Factors
D25 Biomedical and Dental Materials
D26 Pharmaceutical Preparations
D27 Chemical Actions and Uses

Other Categories Include:

Analytical, Diagnostic, & Therapeutic Techniques & Equipment

Psychiatry and Psychology

Physical Phenomena

Natural Sciences

Anthropology, Education, Sociology & Social Phenomena

Technology, Industry, Agriculture

Humanities

Information Science

Persons

Population Characteristics

Publication Components

Geographic Locations

MeSH Terms Index

Each article in PubMed is assigned 10-15 ***MeSH*** and are listed in the ***MeSH*** Terms Index.

MeSH terms

Breast Neoplasms/diagnosis
Breast Neoplasms/surgery*
Breast Neoplasms/therapy*
Chemotherapy, Adjuvant/methods
Decision Making
Female
Humans
Molecular Targeted Therapy/methods
Neoadjuvant Therapy/methods*
Physician's Role
Physician-Patient Relations
Precision Medicine/methods
Prognosis
Surgeons*

Why use MeSH?

When searching from PubMed's home page, the computer searches words in titles & abstracts

When using ***MeSH Database,*** PubMed searches the ***MeSH*** Terms Index, NOT words in titles and/or abstracts.

Using ***MeSH*** brings together similar terms/tags; thus brings similar articles together

Examples: AIDS, blood

Most accurate, effective and efficient way to search!

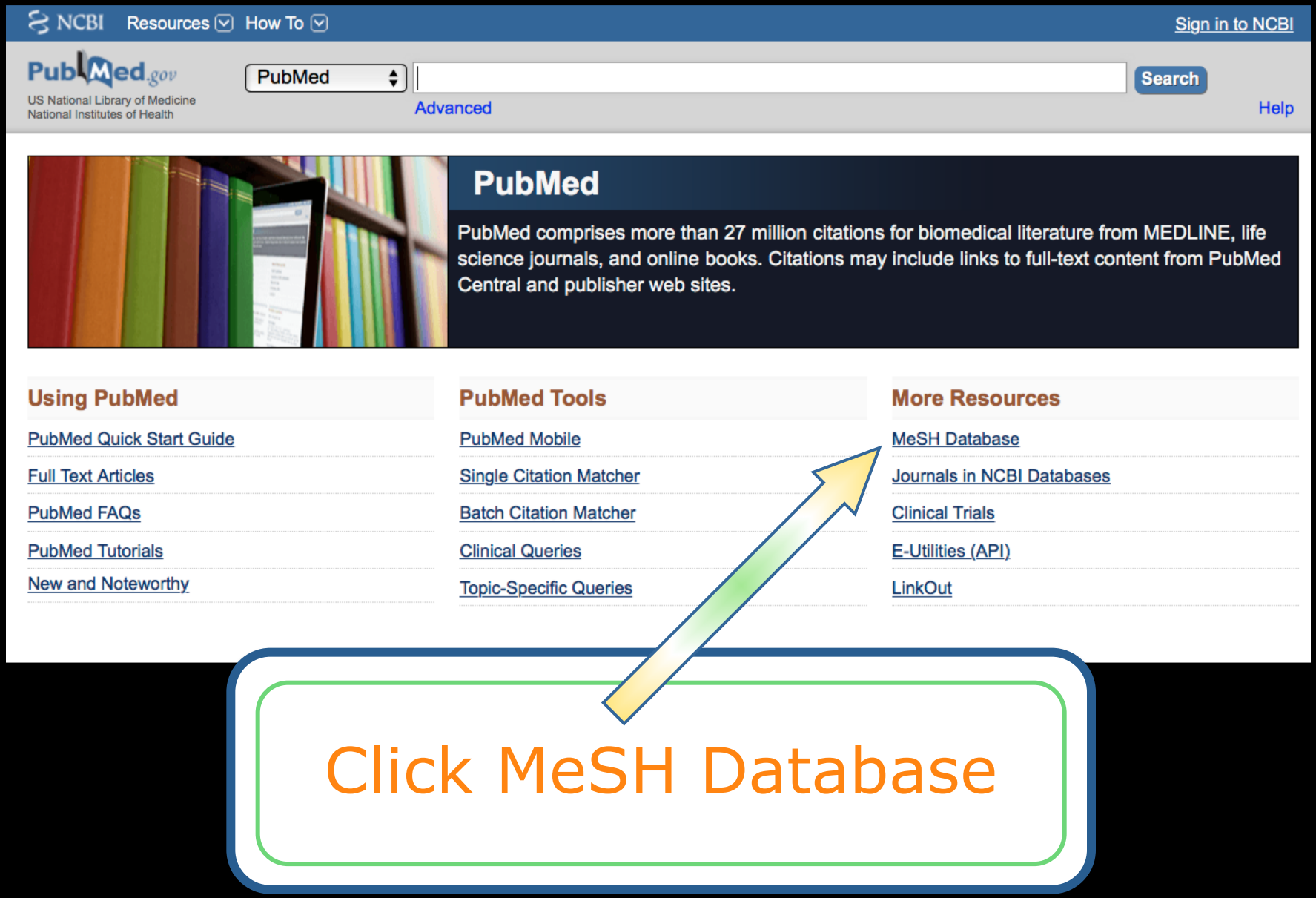
Create a Search Strategy Plan

Identify the question and key concepts:

Molecular targeted therapy of breast neoplasms

Write the search program using medical subject headings (MeSH)

Search Example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PubMed comprises more than 27 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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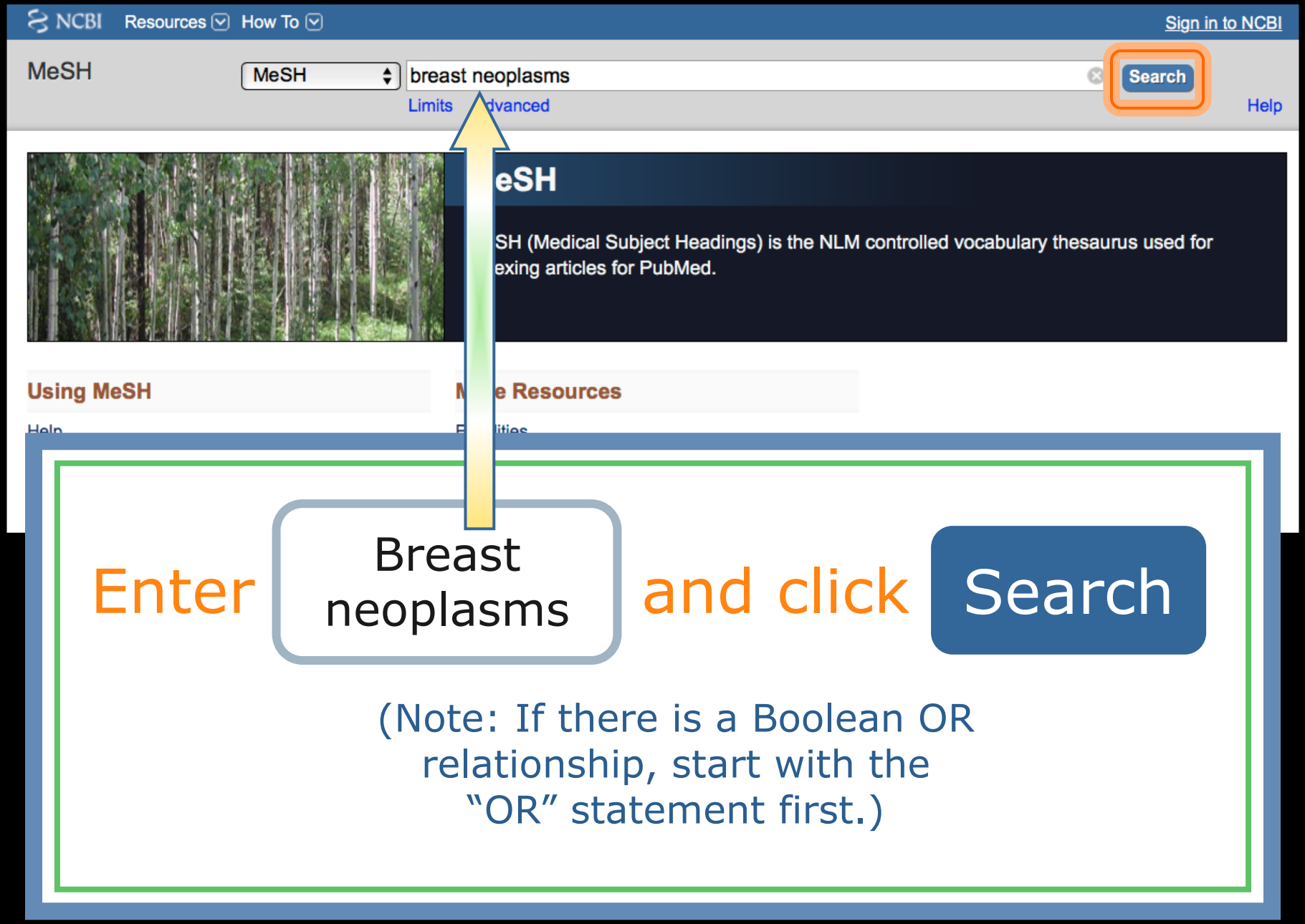
Full Text Articles
PubMed FAQs
PubMed Tutorials
New and Noteworthy
PubMed Tools
PubMed Mobile
Single Citation Matcher
Batch Citation Matcher
Clinical Queries
Topic-Specific Queries
More Resources
MeSH Database
Journals in NCBI Databases
Clinical Trials
E-Utilities (API)
LinkOut
Click MeSH Database


NCBI
Resources
How To
Sign in to NCBI
MeSH
MeSH
breast neoplasms
Search
Limits
Help
eSH
SH (Medical Subject Headings) is the NLM controlled vocabulary thesaurus used for
exing articles for PubMed.
Using MeSH
e Resources
Enter
Breast neoplasms
and click
Search
(Note: If there is a Boolean OR relationship, start with the "OR" statement first.)

Terms and Definitions

NCBI

MeSH

in to NCBI

Help

Summary

Search results

Items: 5

1. **Breast Neoplasms**
   Tumors or cancer of the human BREAST.

2. Triple Negative **Breast Neoplasms**
   Breast neoplasms that do not express ESTROGEN RECEPTORS; PROGESTERONE RECEPTORS; and do not overexpress the NEU RECEPTOR/HER-2 PROTO-ONCOGENE PROTEIN.

3. Inflammatory **Breast Neoplasms**
   Metastatic breast cancer characterized by EDEMA and ERYTHEMA of the affected breast due to LYMPHATIC METASTASIS and eventual obstruction of LYMPHATIC VESSELS by the cancer cells.

4. **Breast Neoplasms**, Male
   Any neoplasms of the male breast. These occur infrequently in males in developed countries, the incidence being about 1% of that in females.

5. Unilateral **Breast Neoplasms**
   Tumors or cancer found specifically in one human BREAST, but not in both.
   Year introduced: 2016

PubMed Search Builder

Add to search builder AND

Search PubMed

YouTube Tutorial

Find related data

Database: Select

Find items

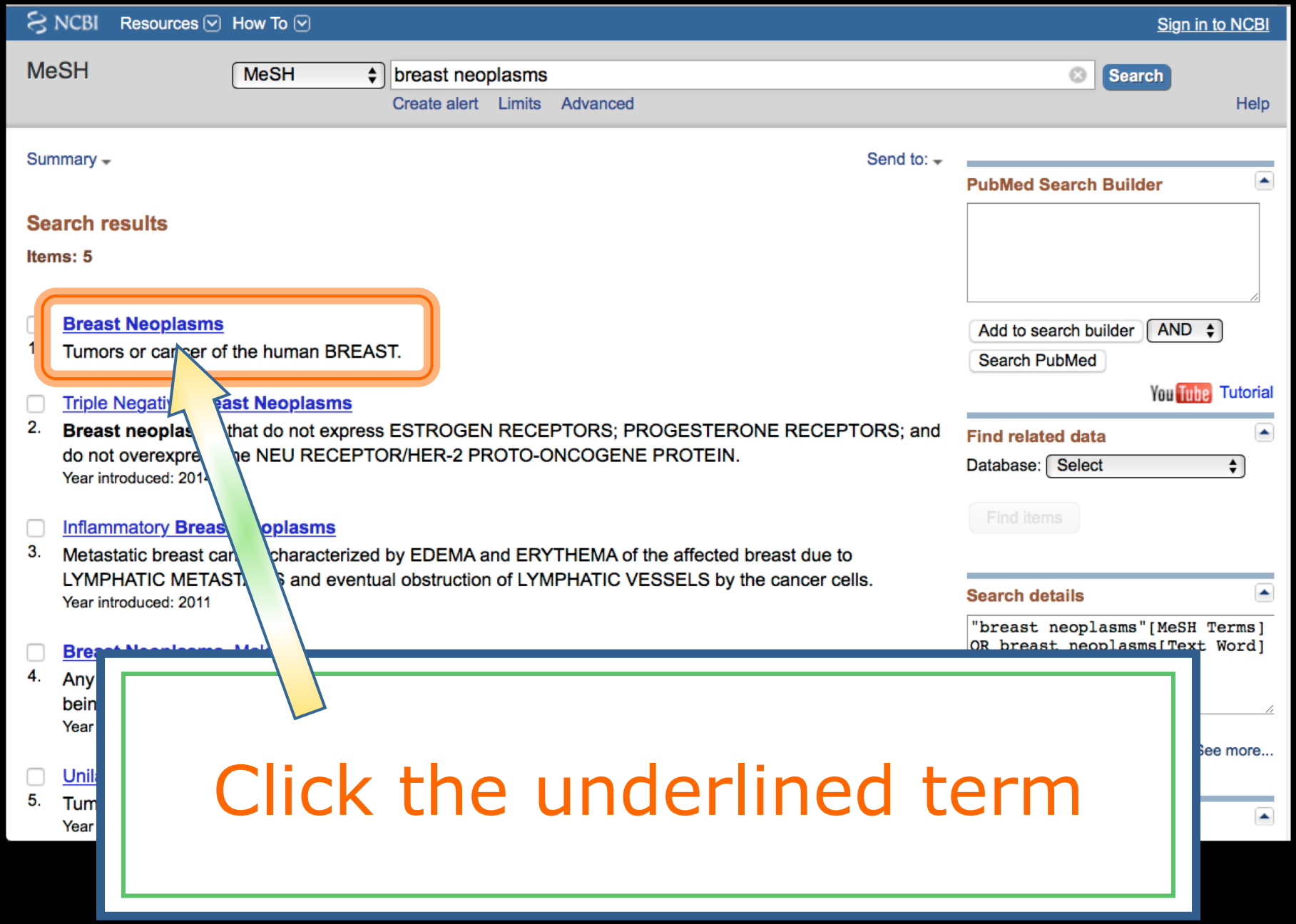
Search details

```
"breast neoplasms"[MeSH Terms]
OR breast neoplasms[Text Word]
```

Search

See more...

Recent Activity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breast neoplasms
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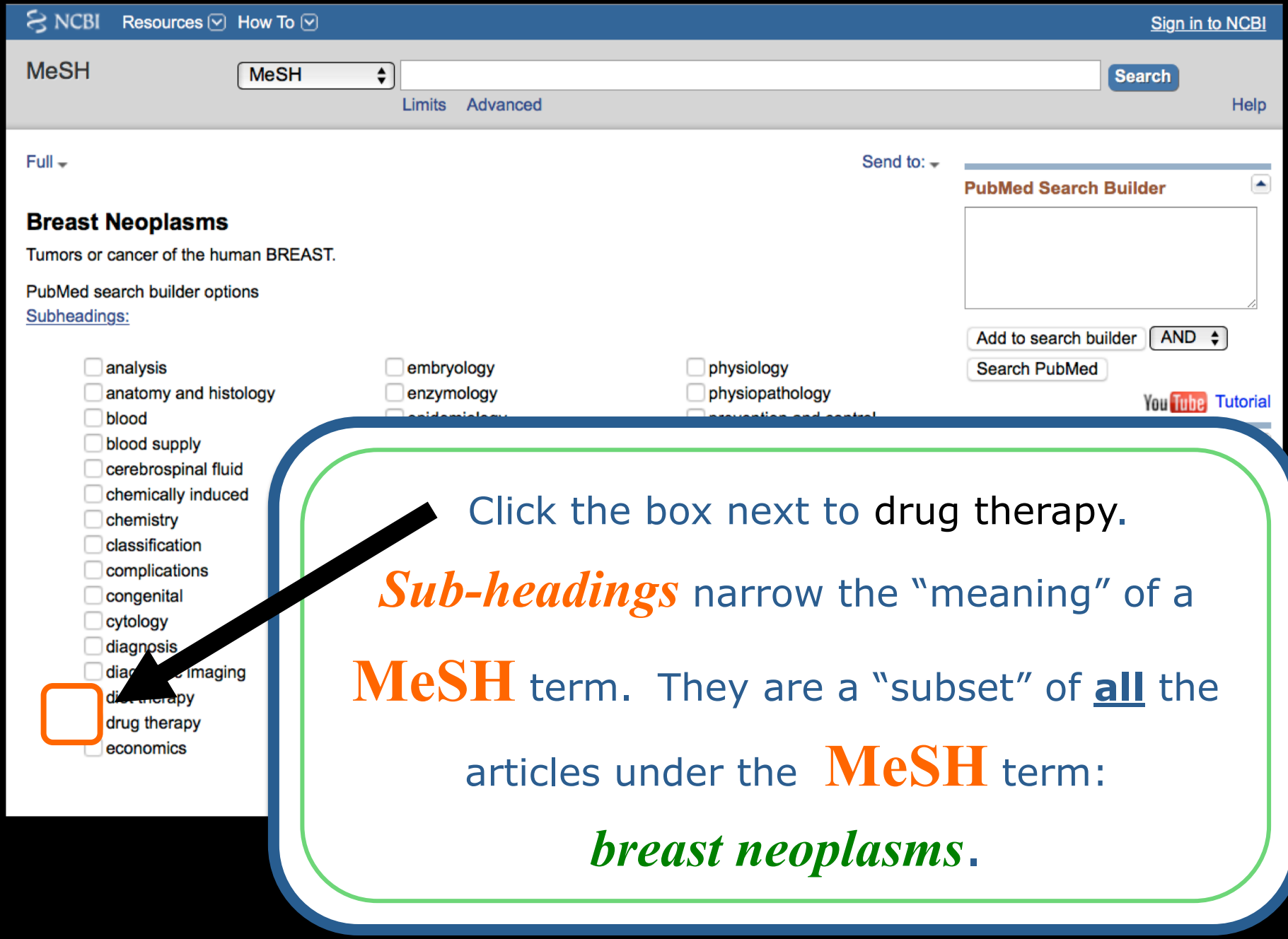
Search results
Items: 5
Breast Neoplasms
Tumors or cancer of the human BREAST.
Triple Negative Breast Neoplasms
Breast neoplasms that do not express ESTROGEN RECEPTORS; PROGESTERONE RECEPTORS; and do not overexpress the NEU RECEPTOR/HER-2 PROTO-ONCOGENE PROTEIN.
Year introduced: 2014
Inflammatory Breast Neoplasms
Metastatic breast cancer characterized by EDEMA and ERYTHEMA of the affected breast due to LYMPHATIC METASTASIS and eventual obstruction of LYMPHATIC VESSELS by the cancer cells.
Year introduced: 2011
PubMed Search Builder
Add to search builder
AND
Search PubMed
YouTube Tutorial
Find related data
Database:
Select
Find items
Search details
"breast neoplasms"[MeSH Terms]
OR breast neoplasms[Text Word]
See more...
Click the underlined term


NCBI Resources How To
Sign in to NCBI
MeSH
MeSH
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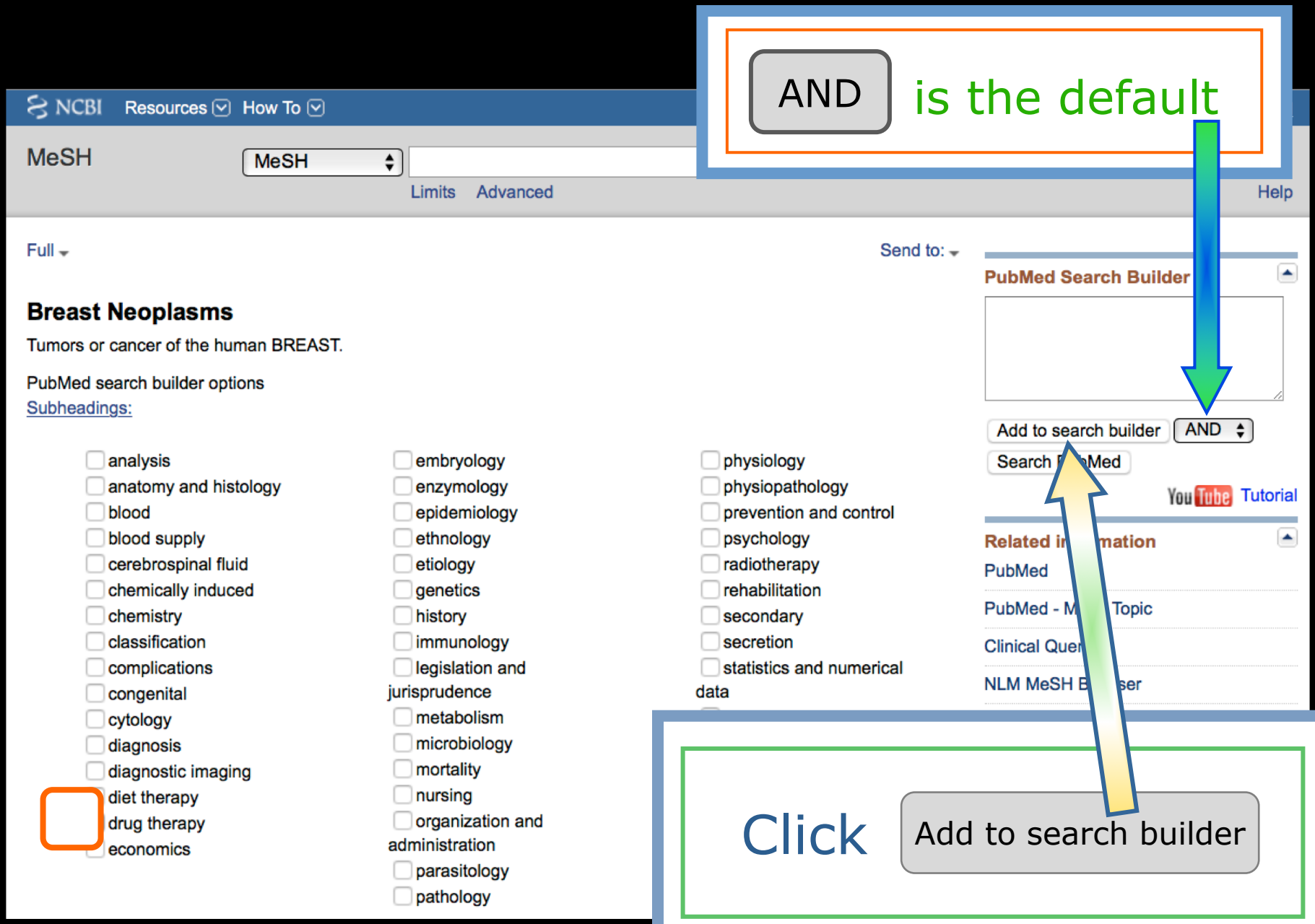
PubMed Search Builder
Breast Neoplasms
Tumors or cancer of the human BREAST.
PubMed search builder options
Subheadings:
analysis
anatomy and histology
blood
blood supply
cerebrospinal fluid
chemically induced
chemistry
classification
complications
congenital
cytology
diagnosis
imaging
drug therapy
economics
embryology
enzymology
physiology
physiopathology
Add to search builder
AND
Search PubMed
YouTube Tutorial
Click the box next to drug therapy.
Sub-headings narrow the "meaning" of a MeSH term. They are a "subset" of all the articles under the MeSH term:
breast neoplasms.

82 SUBHEADINGS:

abnormalities
administrations & dosage
adverse effects
agonists
analogs & derivatives
analysis
anatomy & histology
antagonists & inhibitors
biosynthesis
blood
blood supply
cerebrospinal fluid
chemical synthesis
chemically induced
chemistry
classification
complications
congenital
contraindications
cytology
deficiency
diagnosis
diet therapy
drug effects
drug therapy
economics
education
embryology
enzymology
epidemiology
ethics
ethnology
etiology
genetics
growth & development
history
immunology
injuries
innervation
instrumentation
isolation & purification
legislation & jurisprudence
manpower
metabolism
methods
microbiology
mortality
nursing
organization & administration
parasitology
pathogenicity
pathology
pharmacokinetics
pharmacology
physiology
physiopathology
poisoning
prevention & control
psychology
radiation effects
radiography
radionuclide imaging
radiotherapy
rehabilitation
secondary
secretion
standards
statistics & numerical data
supply & distribution
surgery
therapeutic use
therapy
toxicity
transmission
transplantation
trends
ultrasonography
ultrastructure
urine
utilization
veterinary
virology


AND
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Send to:
Breast Neoplasms
Tumors or cancer of the human BREAST.
PubMed search builder options
Subheadings:
analysis
anatomy and histology
blood
blood supply
cerebrospinal fluid
chemically induced
chemistry
classification
complications
congenital
cytology
diagnosis
diagnostic imaging
diet therapy
drug therapy
economics
embryology
enzymology
epidemiology
ethnology
etiology
genetics
history
immunology
legislation and jurisprudence
metabolism
microbiology
mortality
nursing
organization and administration
parasitology
pathology
physiology
physiopathology
prevention and control
psychology
radiotherapy
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PubMed Search Builder
Add to search builder
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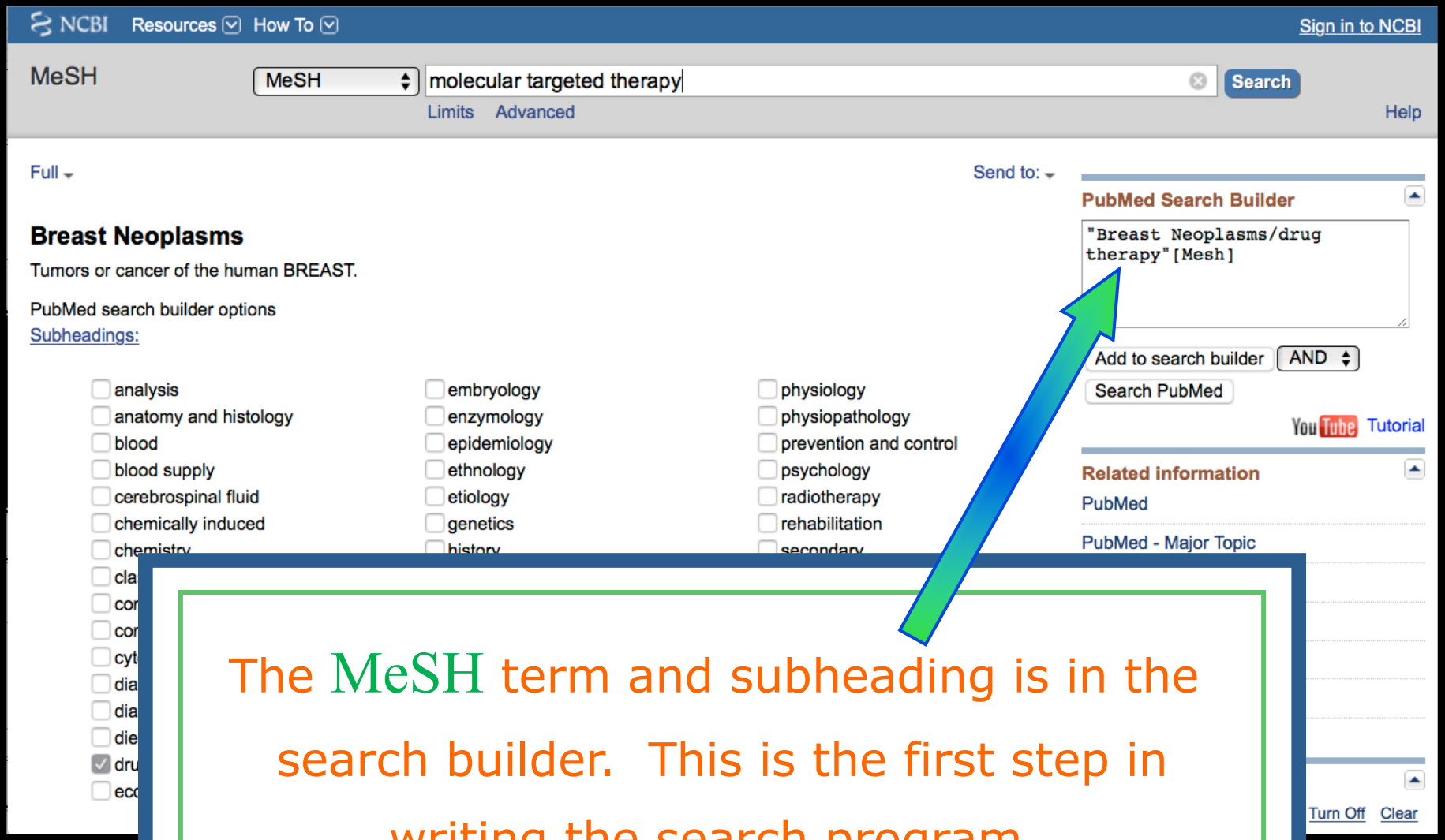
Tutorial
PubMed
Click
Add to search builder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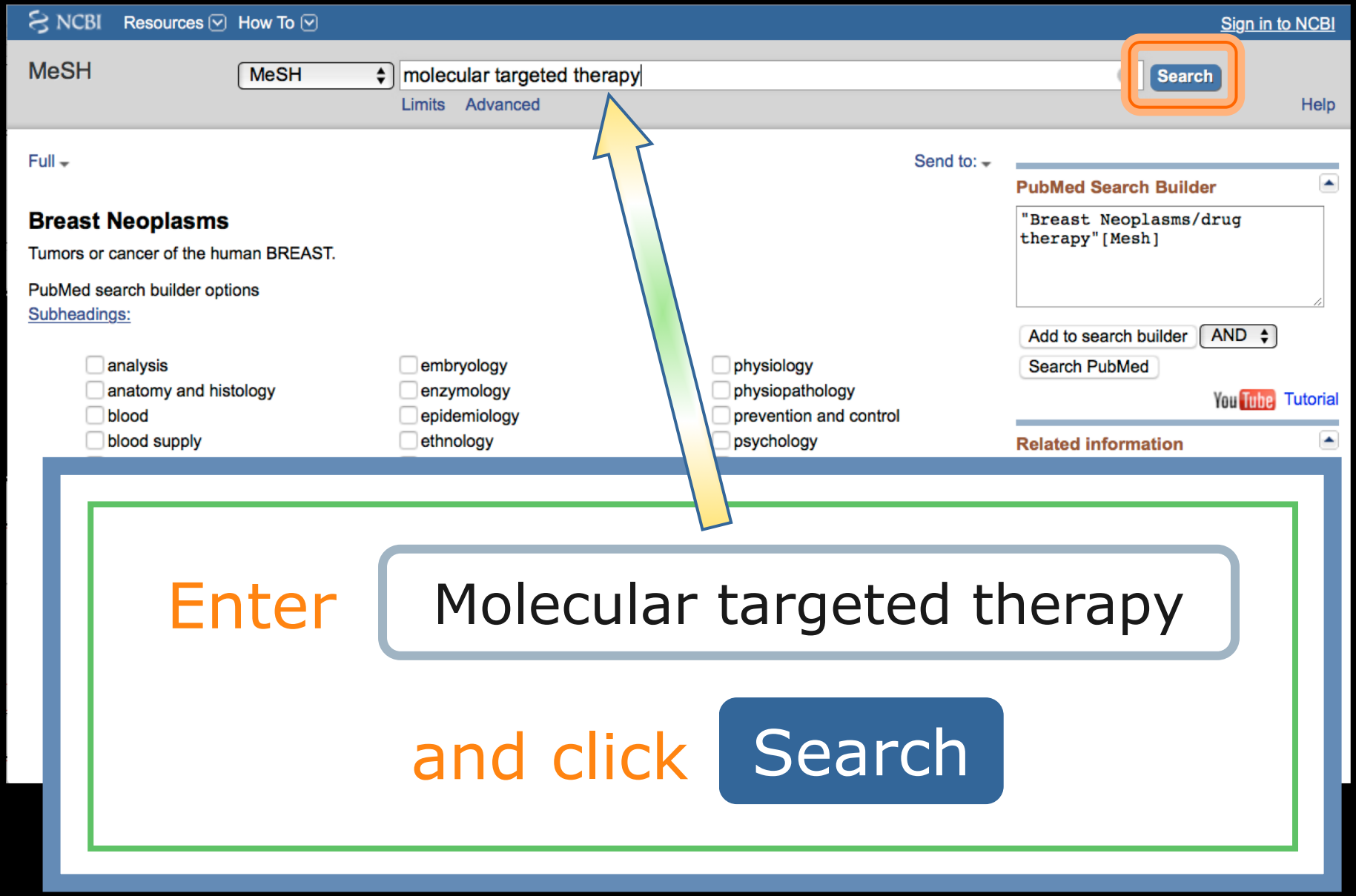
Breast Neoplasms
Tumors or cancer of the human BREAST.
PubMed search builder options
Subheadings:
analysis
anatomy and histology
blood
blood supply
cerebrospinal fluid
chemically induced
chemistry
embryology
enzymology
epidemiology
ethnology
etiology
genetics
history
physiology
physiopathology
prevention and control
psychology
radiotherapy
rehabilitation
secondary
PubMed Search Builder
"Breast Neoplasms/drug therapy"[Mesh]
Add to search builder
AND
Search PubMed
YouTube Tutorial
Related information
PubMed
PubMed - Major Topic
Turn Off
Clear
The MeSH term and subheading is in the search builder. This is the first step in writing the search program.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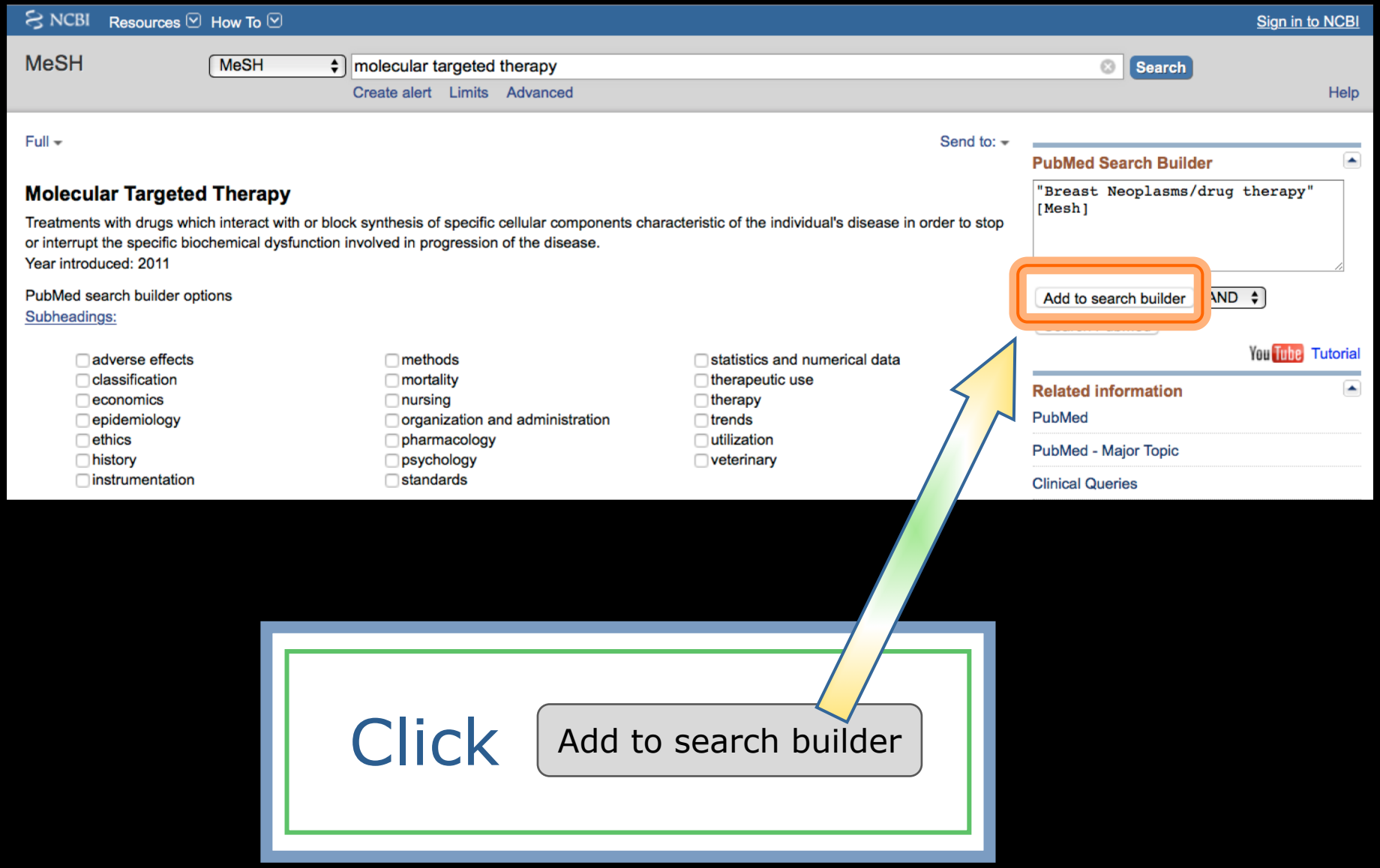
Breast Neoplasms
Tumors or cancer of the human BREAST.
PubMed search builder options
Subheadings:
analysis
anatomy and histology
blood
blood supply
embryology
enzymology
epidemiology
ethnology
physiology
physiopathology
prevention and control
psychology
PubMed Search Builder
"Breast Neoplasms/drug therapy"[Mesh]
Add to search builder
AND
Search PubMed
YouTube
Tutorial
Related information
Enter
Molecular targeted therapy
and click
Search


NCBI Resources How To
Sign in to NCBI
MeSH
MeSH
molecular targeted therapy
Search
Create alert Limits Advanced
Help
Full
Send to:
Molecular Targeted Therapy
Treatments with drugs which interact with or block synthesis of specific cellular components characteristic of the individual's disease in order to stop or interrupt the specific biochemical dysfunction involved in progression of the disease.
Year introduced: 2011
PubMed search builder options
Subheadings:
adverse effects
classification
economics
epidemiology
ethics
history
instrumentation
methods
mortality
nursing
organization and administration
pharmacology
psychology
standards
statistics and numerical data
therapeutic use
therapy
trends
utilization
veterinary
PubMed Search Builder
"Breast Neoplasms/drug therapy" [Mesh]
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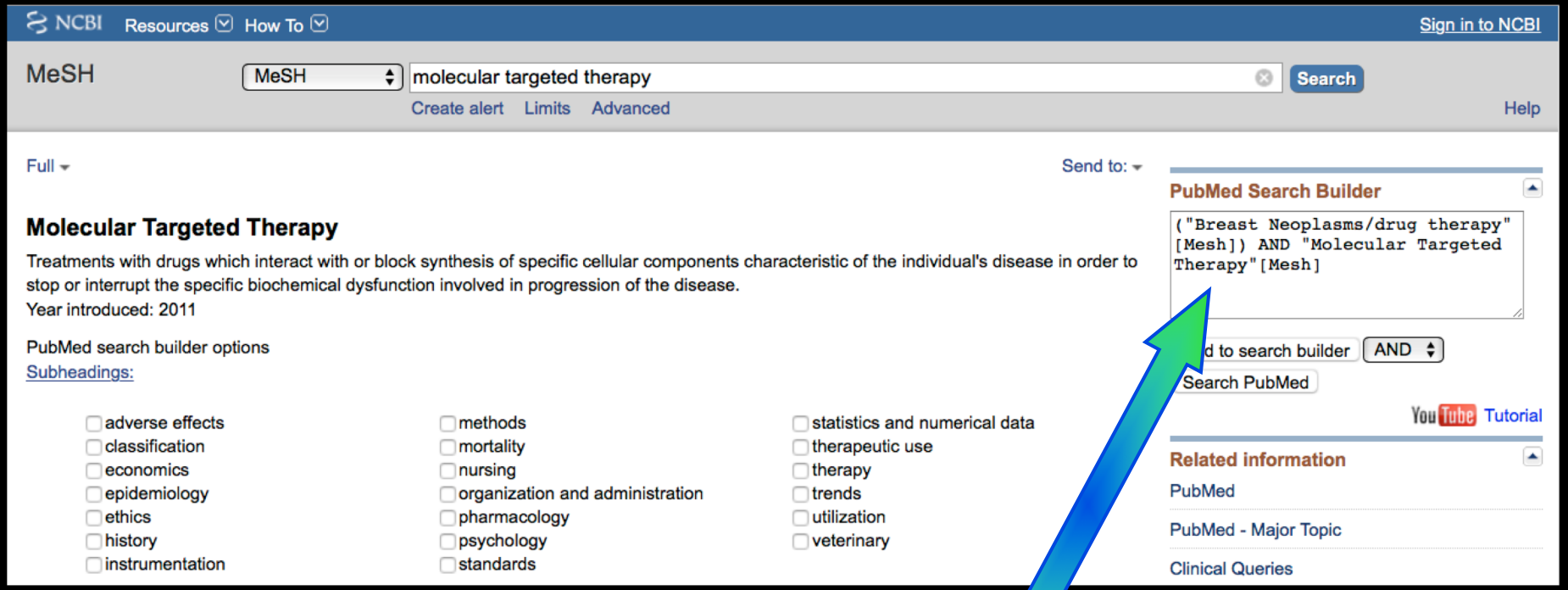
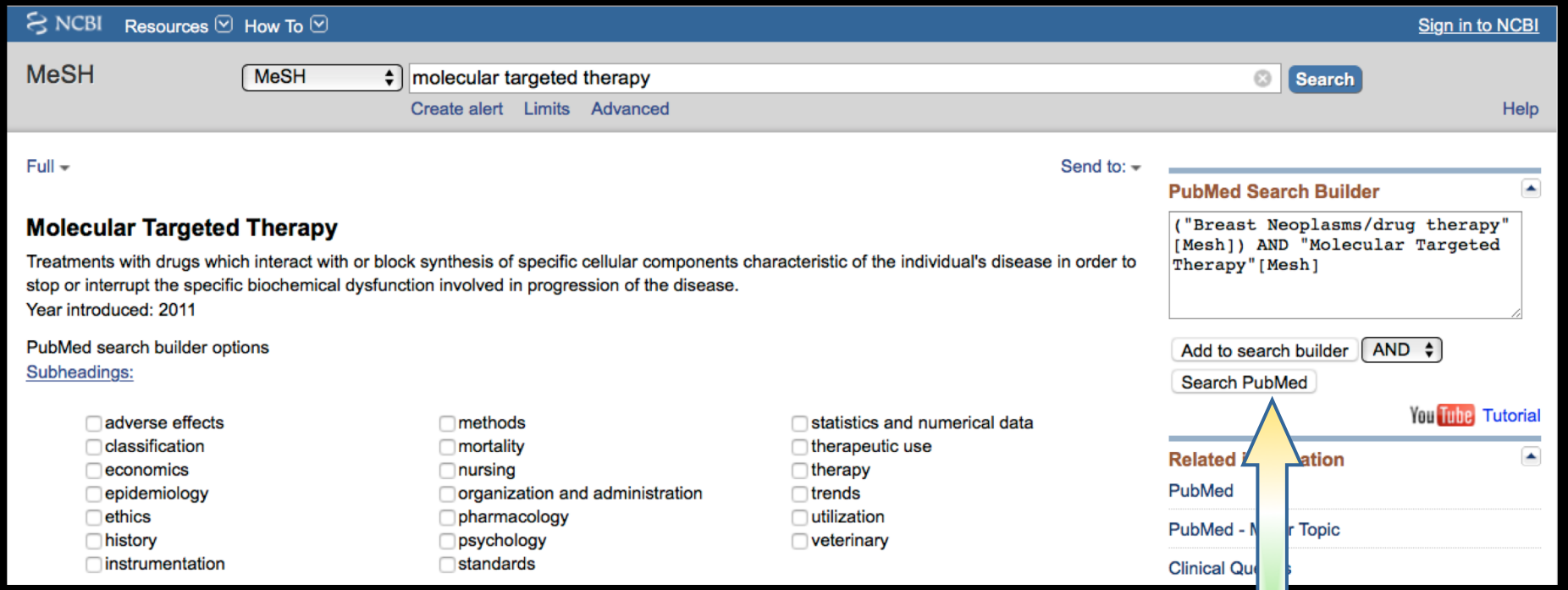
AND
YouTube Tutorial
Related information
PubMed
PubMed - Major Topic
Clinical Queries
Click
Add to search builder



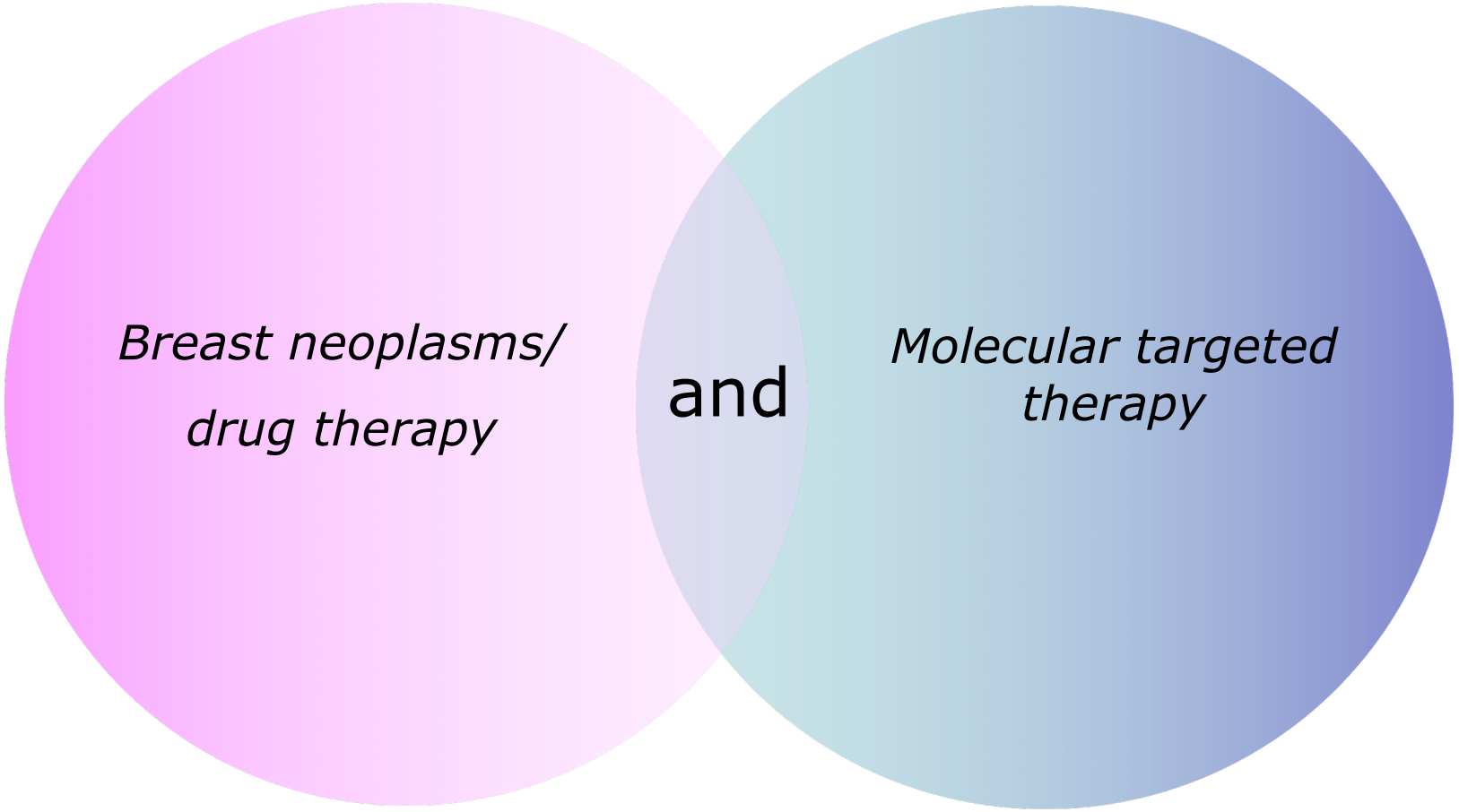
The second MeSH term is in the search program "box"



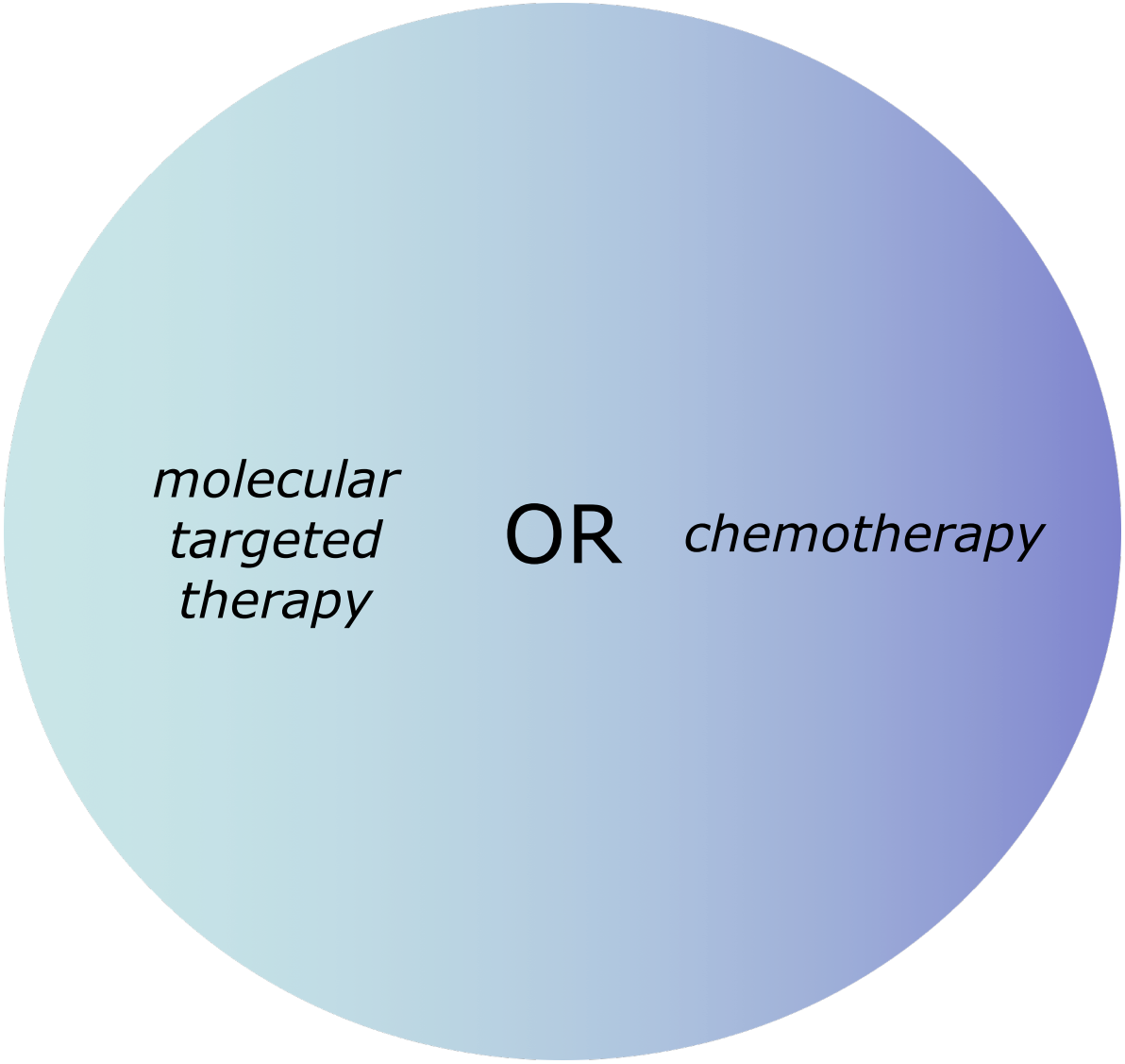
The search program is complete.

Click **Search PubMed**

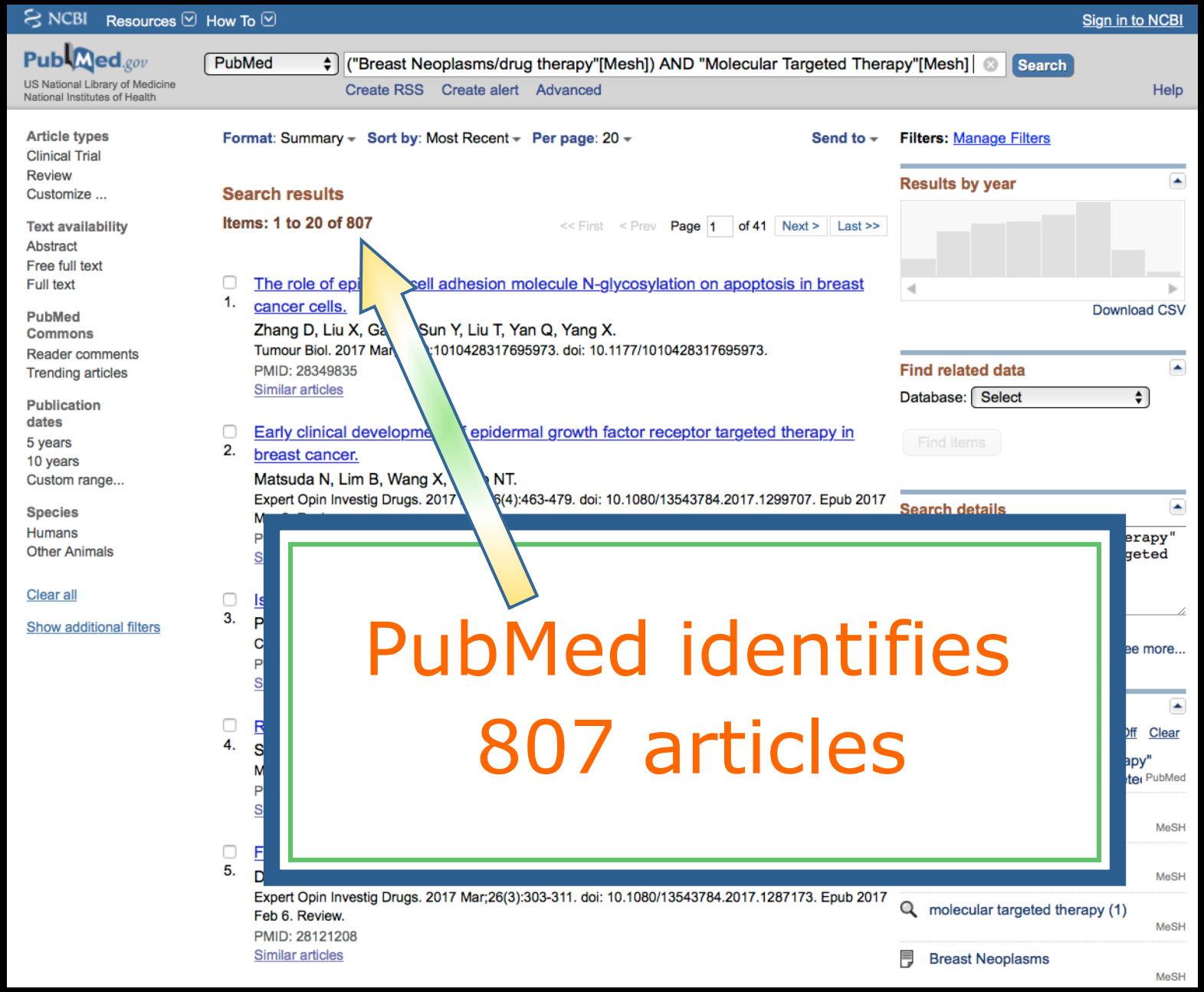
Boolean Logic - AND



Boolean Logic - OR



Search Results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Review
Customize ...
Text availability
Abstract
Free full text
Full text
PubMed Commons
Reader comments
Trending articles
Publication dates
5 years
10 years
Custom range...
Species
Humans
Other Animals
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Show additional filters
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Per page: 20
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Filters: Manage Filters
Search results
Items: 1 to 20 of 807
<< First < Prev Page 1 of 41 Next > Last >>
1. The role of epi sell adhesion molecule N-glycosylation on apoptosis in breast cancer cells.
Zhang D, Liu X, Ga Sun Y, Liu T, Yan Q, Yang X.
Tumour Biol. 2017 Mar :1010428317695973. doi: 10.1177/1010428317695973.
PMID: 28349835
Similar articles
2. Early clinical developme f epidermal growth factor receptor targeted therapy in breast cancer.
Matsuda N, Lim B, Wang X, NT.
Expert Opin Investig Drugs. 2017 6(4):463-479. doi: 10.1080/13543784.2017.1299707. Epub 2017
3.
4.
5.
Expert Opin Investig Drugs. 2017 Mar;26(3):303-311. doi: 10.1080/13543784.2017.1287173. Epub 2017 Feb 6. Review.
PMID: 28121208
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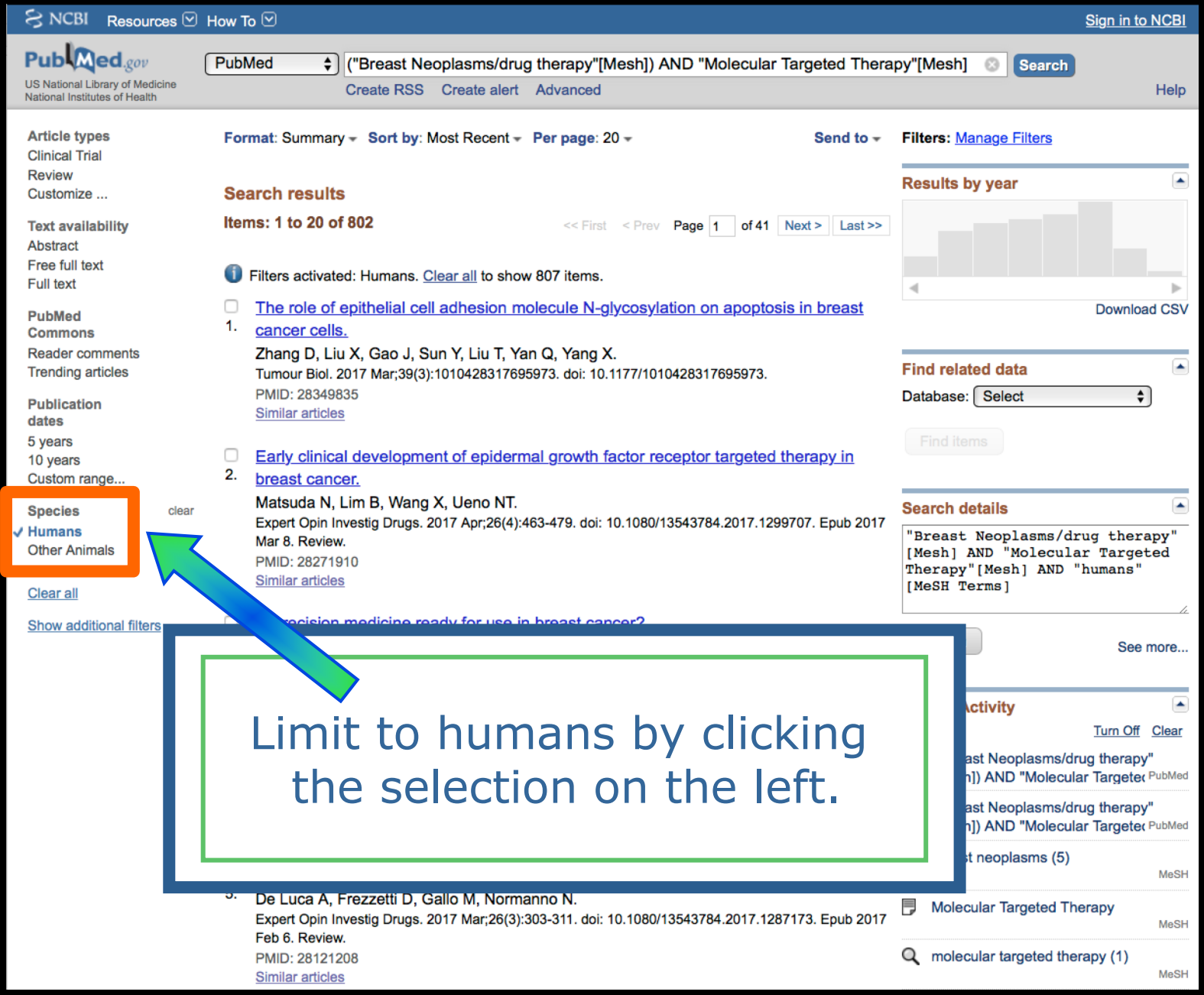
molecular targeted therapy (1) MeSH
Breast Neoplasms MeSH
PubMed identifies
807 articles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("Breast Neoplasms/drug therapy"[Mesh]) AND "Molecular Targeted Therapy"[Mesh]
Search
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Review
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Abstract
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Publication dates
5 years
10 years
Custom range...
Species
clear
Humans
Other Animals
Clear all
Show additional filters
Format: Summary
Sort by: Most Recent
Per page: 20
Send to
Filters: Manage Filters
Search results
Items: 1 to 20 of 802
<< First < Prev Page 1 of 41 Next > Last >>
Filters activated: Humans. Clear all to show 807 items.
1. The role of epithelial cell adhesion molecule N-glycosylation on apoptosis in breast cancer cells.
Zhang D, Liu X, Gao J, Sun Y, Liu T, Yan Q, Yang X.
Tumour Biol. 2017 Mar;39(3):1010428317695973. doi: 10.1177/1010428317695973.
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PMID: 28121208
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Find items
Search details
"Breast Neoplasms/drug therapy"[Mesh] AND "Molecular Targeted Therapy"[Mesh] AND "humans"[MeSH Terms]
See more...
Activity
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Molecular Targeted Therapy
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molecular targeted therapy (1)
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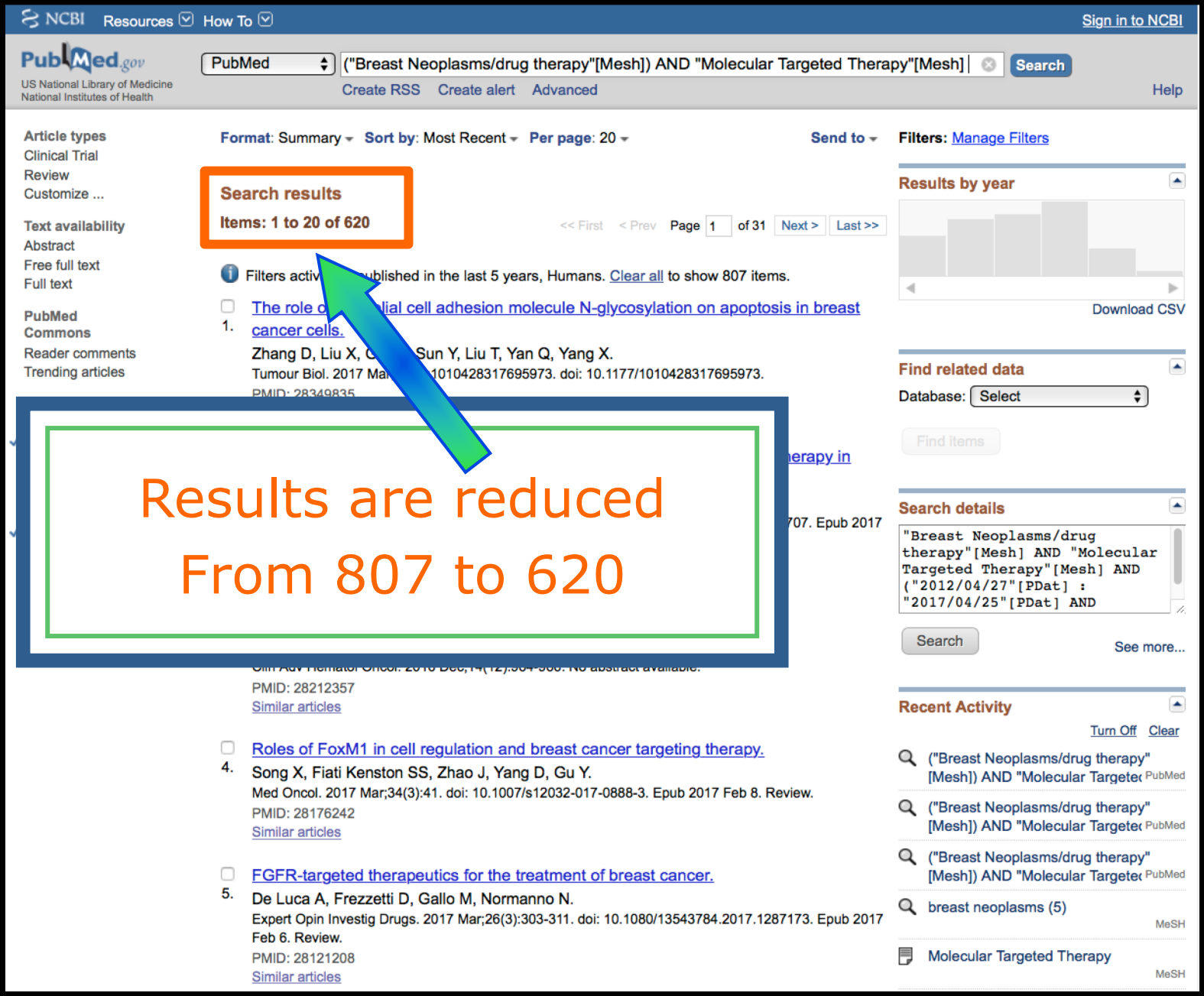
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Article types
Clinical Trial
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Customize ...
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Abstract
Free full text
Full text
PubMed Commons
Reader comments
Trending articles
Format: Summary Sort by: Most Recent Per page: 20
Send to
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<< First < Prev Page 1 of 31 Next > Last >>
Filters activ ublished in the last 5 years, Humans. Clear all to show 807 items.
1. The role o lial cell adhesion molecule N-glycosylation on apoptosis in breast cancer cells.
Zhang D, Liu X, C Sun Y, Liu T, Yan Q, Yang X.
Tumour Biol. 2017 Ma 1010428317695973. doi: 10.1177/1010428317695973.
PMID: 28349835
erapy in
707. Epub 2017
PMID: 28212357
Similar articles
4. Roles of FoxM1 in cell regulation and breast cancer targeting therapy.
Song X, Fiati Kenston SS, Zhao J, Yang D, Gu Y.
Med Oncol. 2017 Mar;34(3):41. doi: 10.1007/s12032-017-0888-3. Epub 2017 Feb 8. Review.
PMID: 28176242
Similar articles
5. FGFR-targeted therapeutics for the treatment of breast cancer.
De Luca A, Frezzetti D, Gallo M, Normanno N.
Expert Opin Investig Drugs. 2017 Mar;26(3):303-311. doi: 10.1080/13543784.2017.1287173. Epub 2017 Feb 6. Review.
PMID: 28121208
Similar articles
Results by year
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Find related data
Database: Select
Find items
Search details
"Breast Neoplasms/drug therapy"[Mesh] AND "Molecular Targeted Therapy"[Mesh] AND ("2012/04/27"[PDat] : "2017/04/25"[PDat] AND
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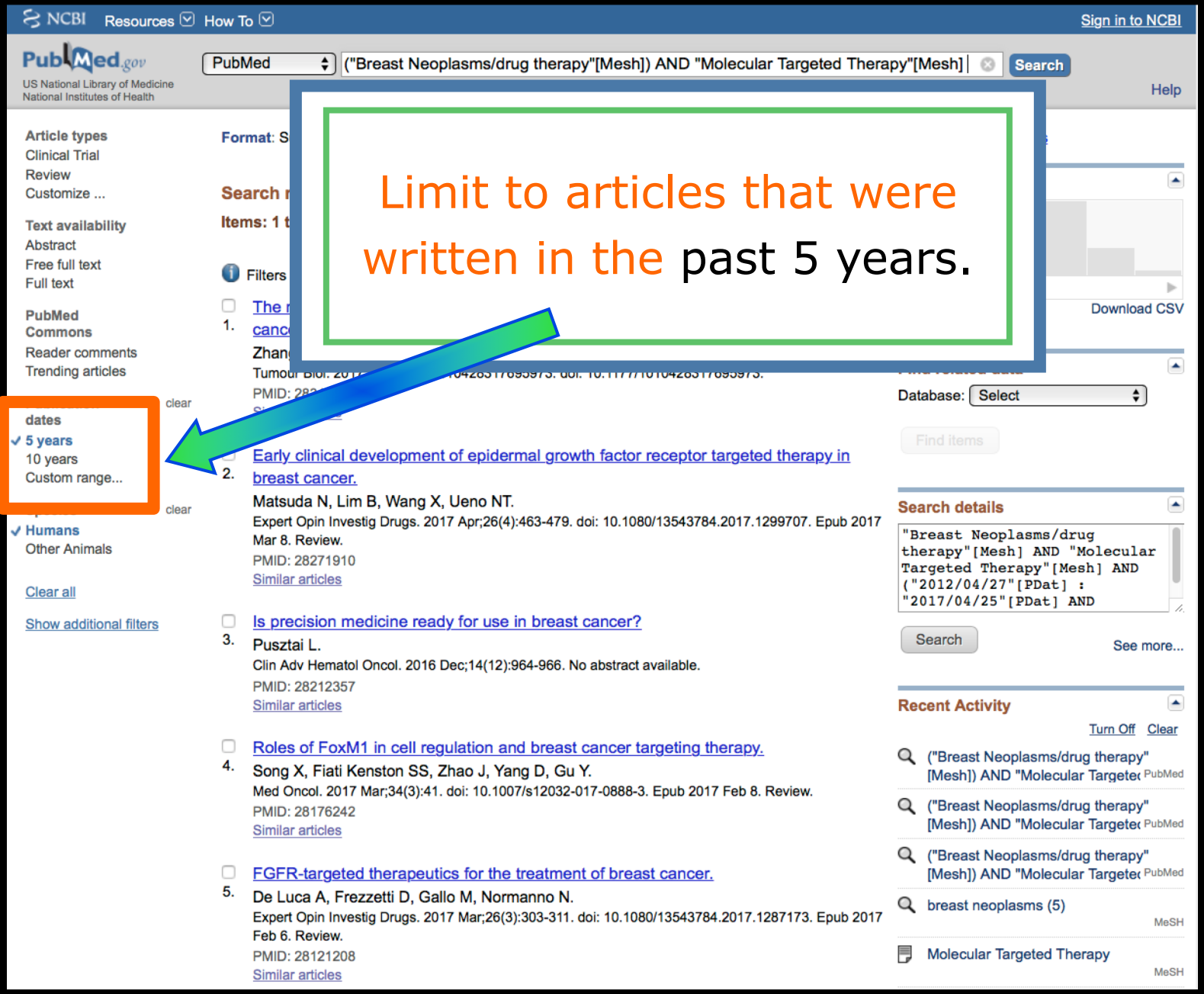
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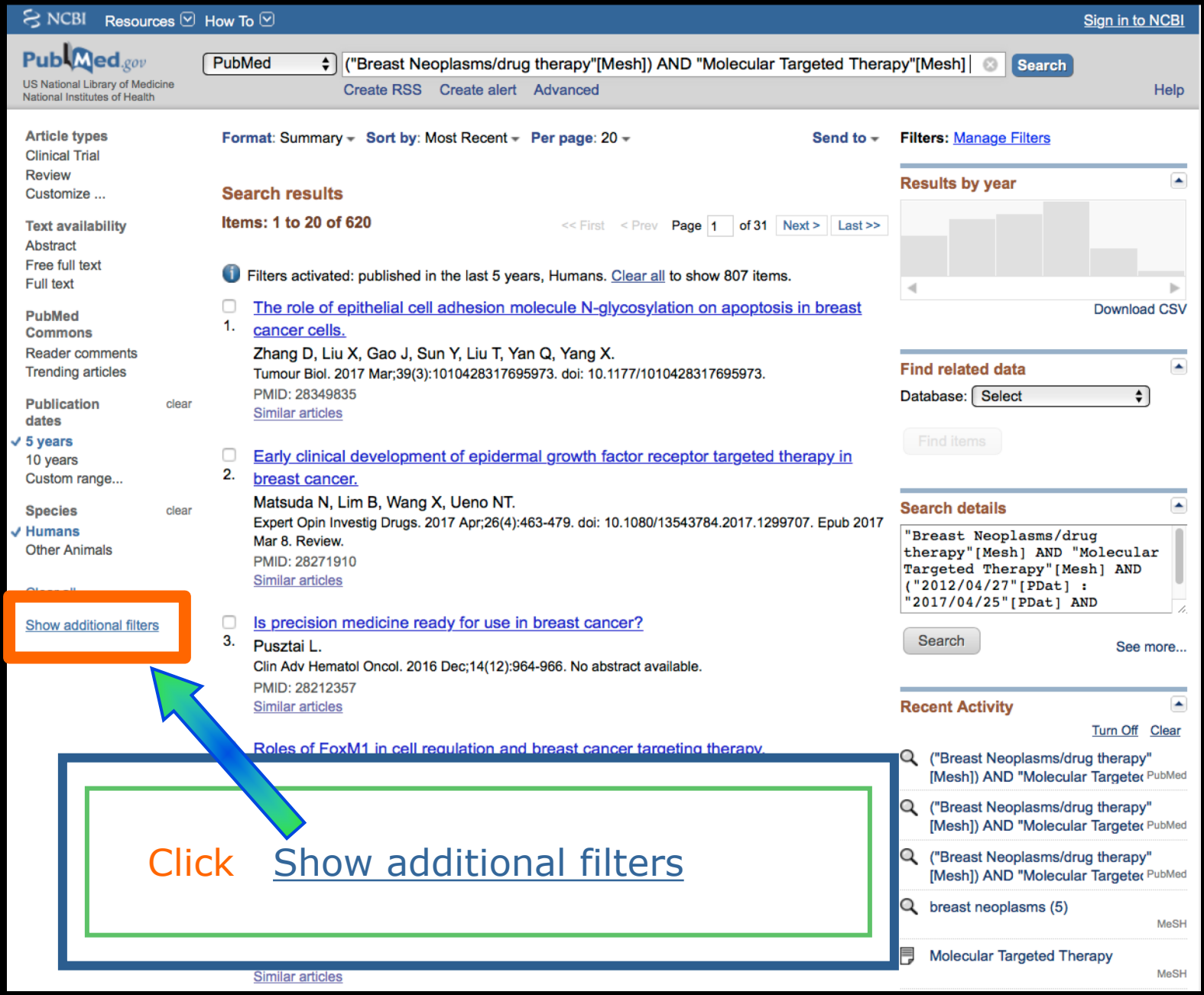
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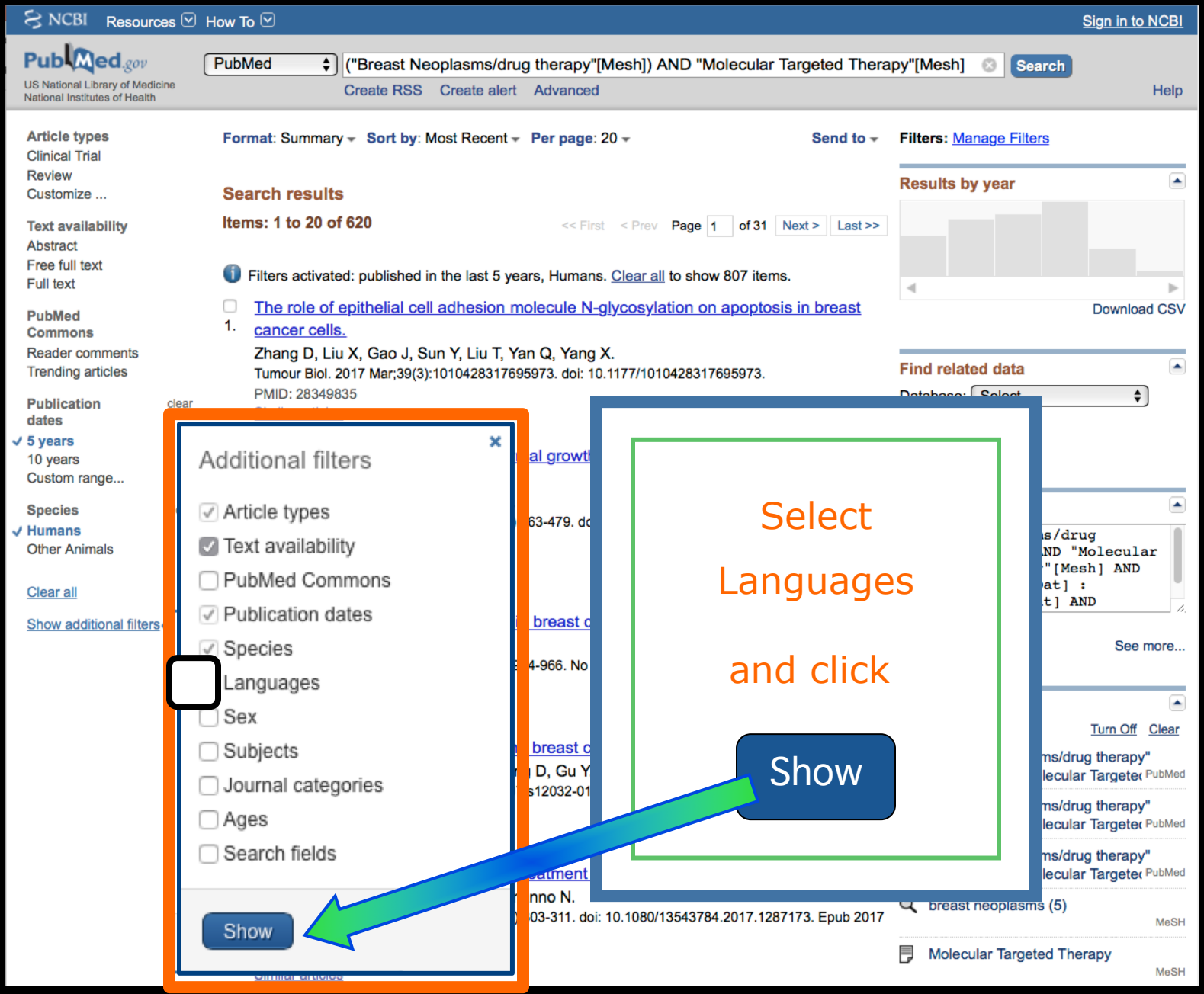
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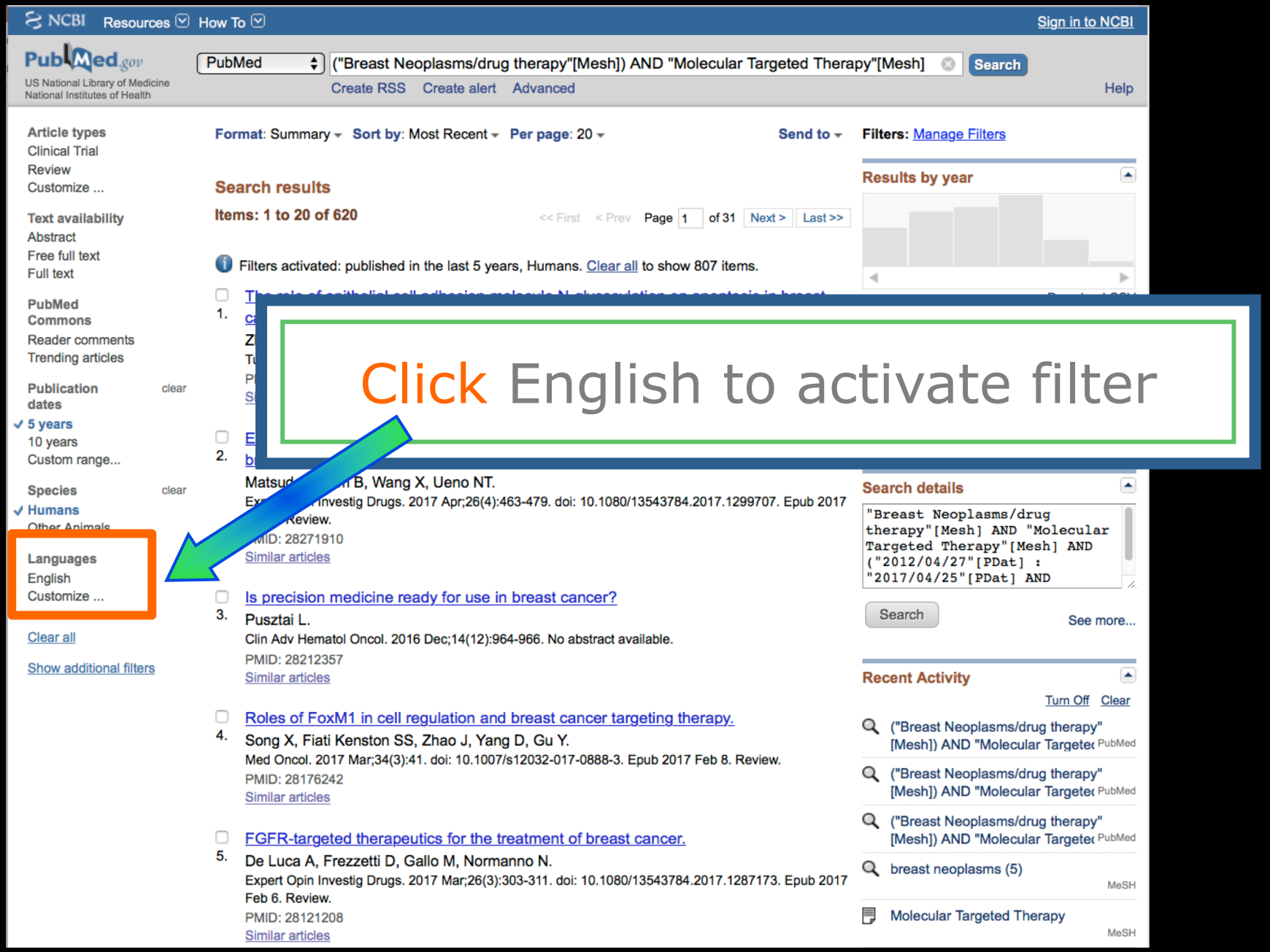
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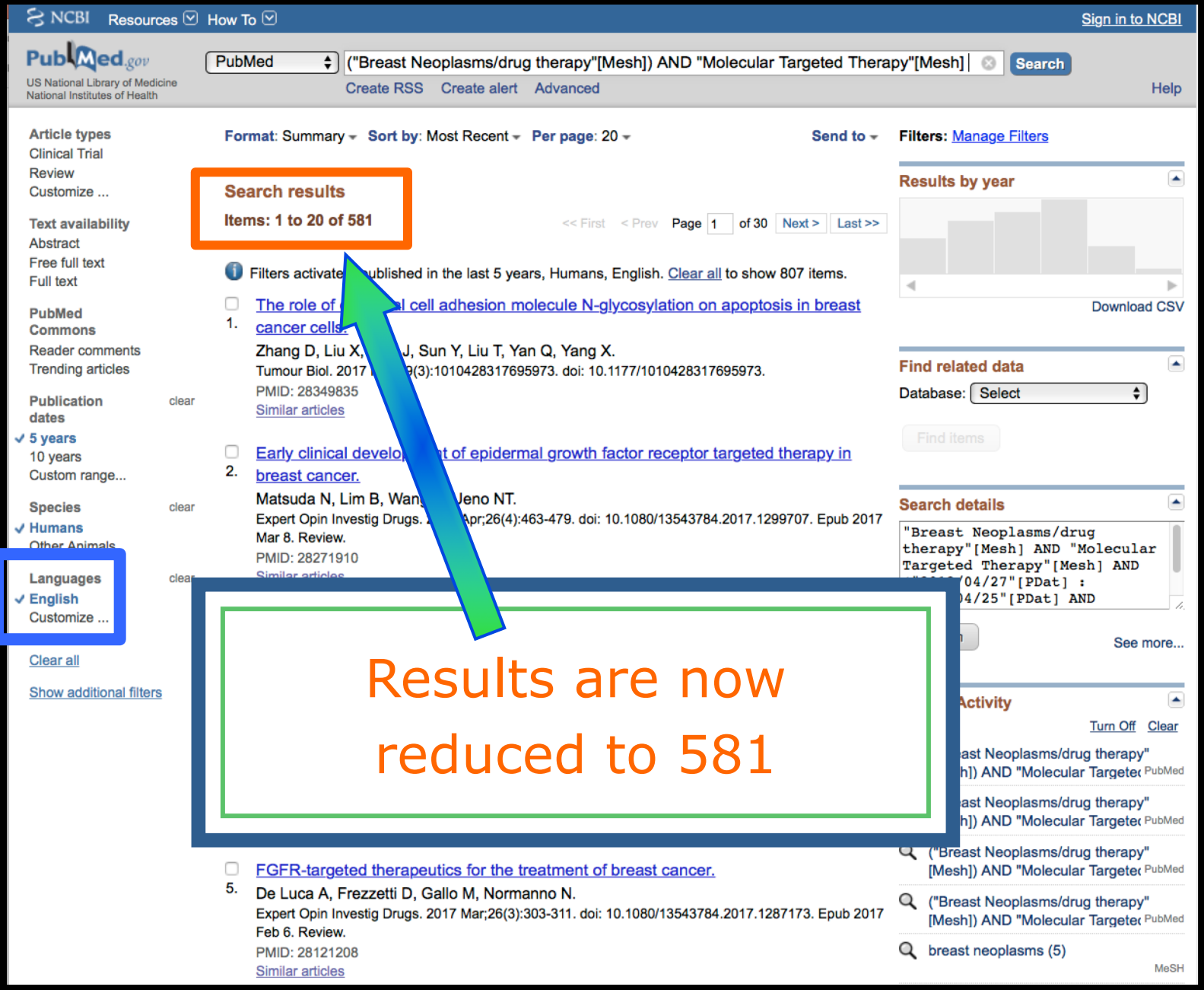
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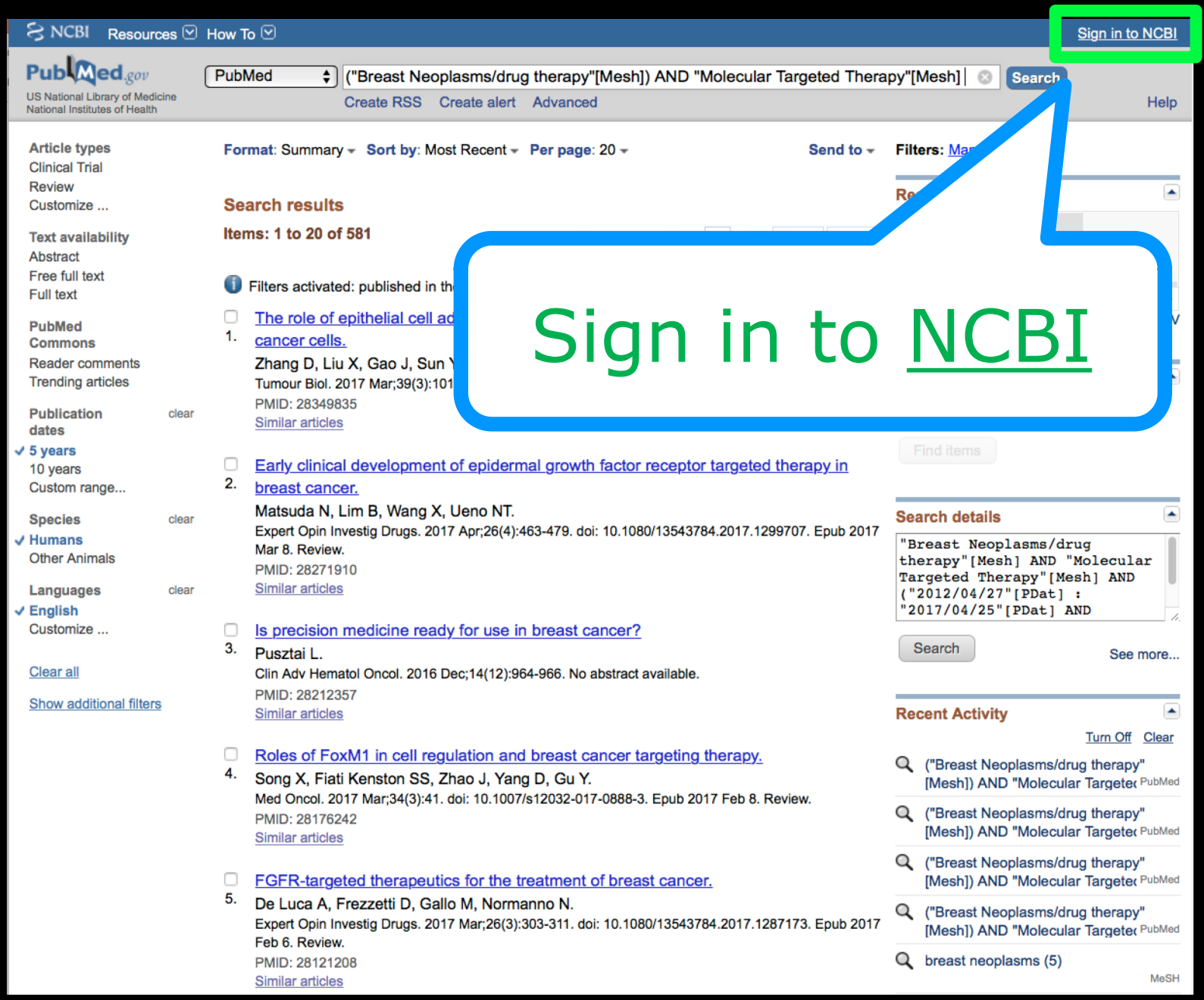
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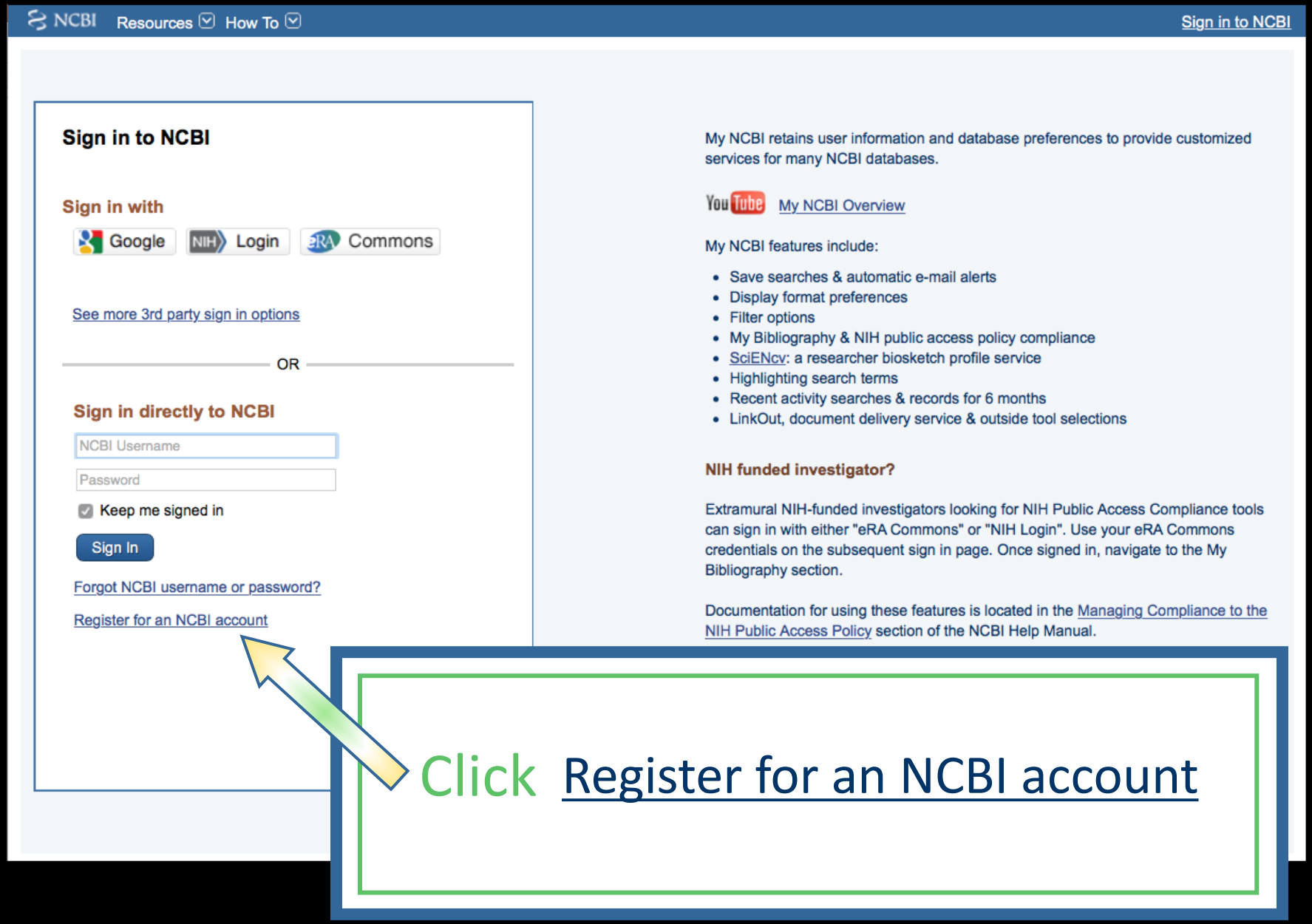
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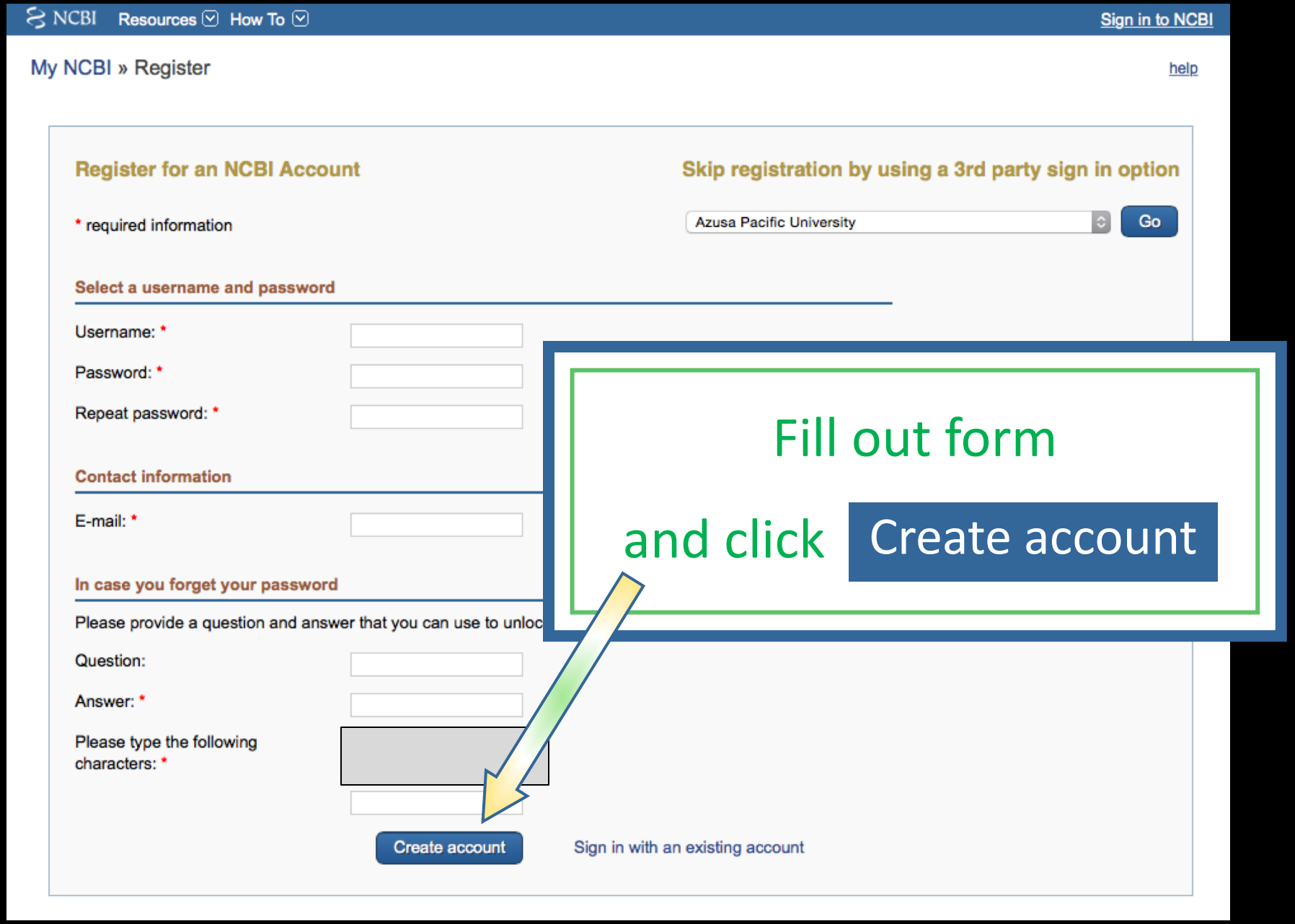
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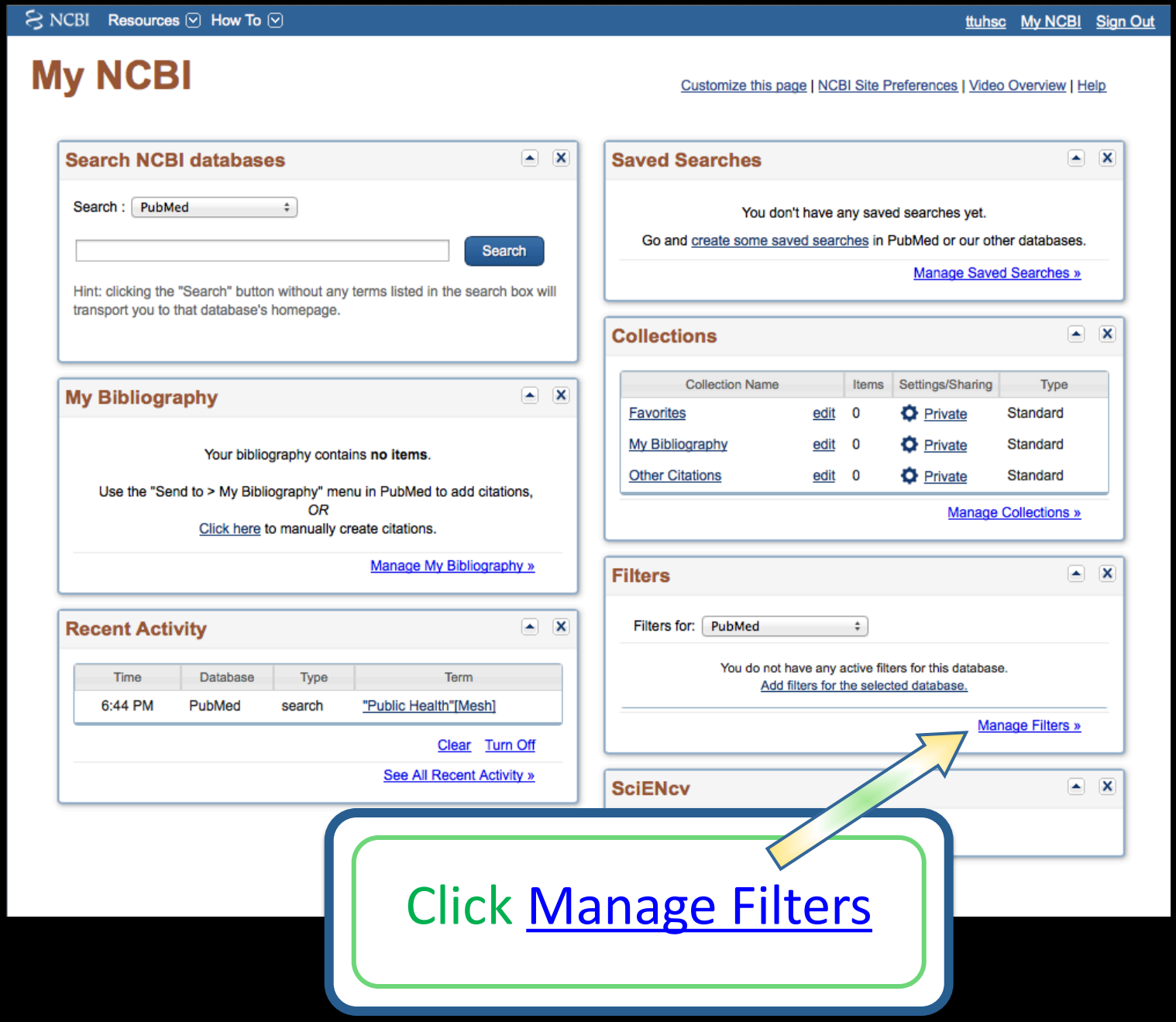
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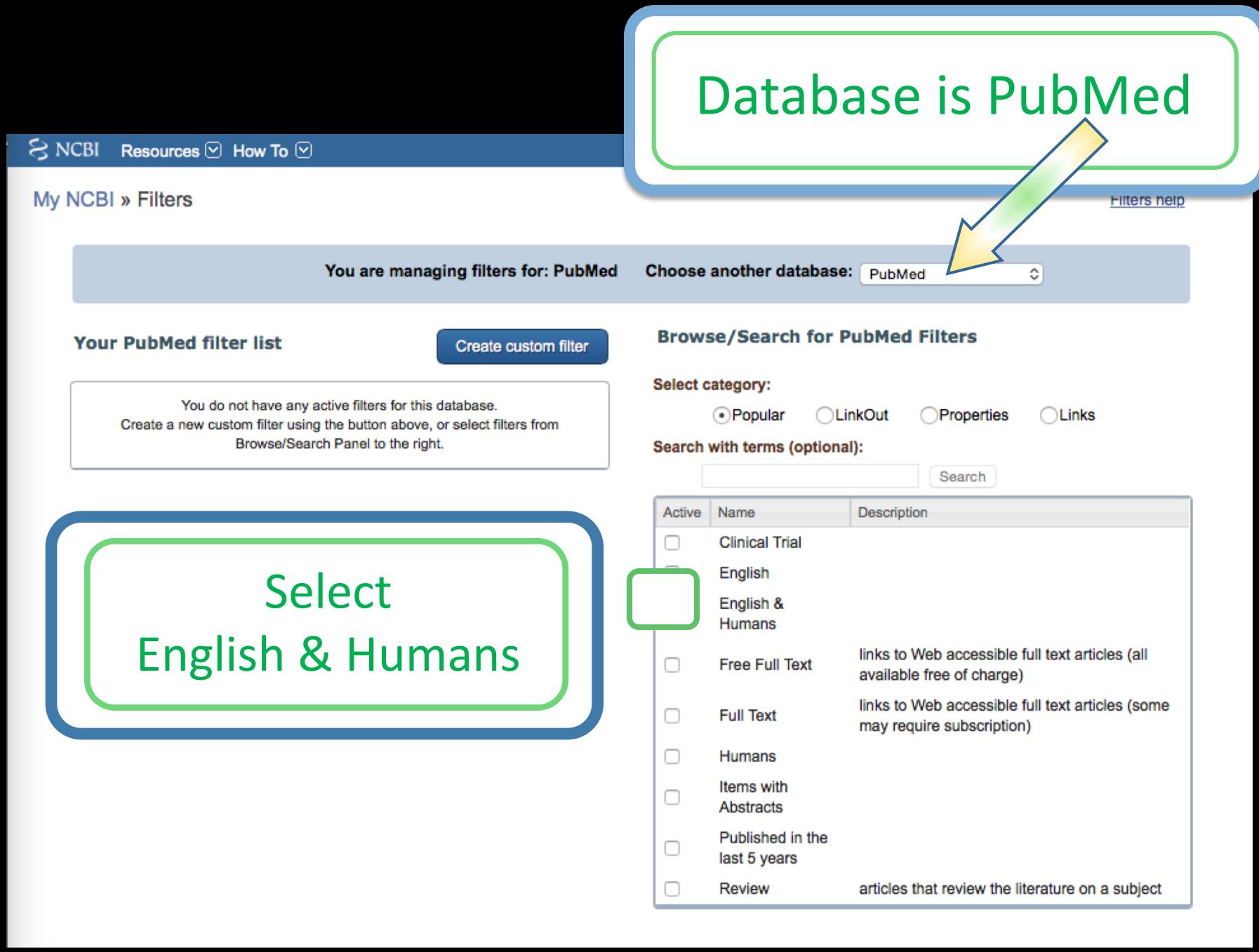
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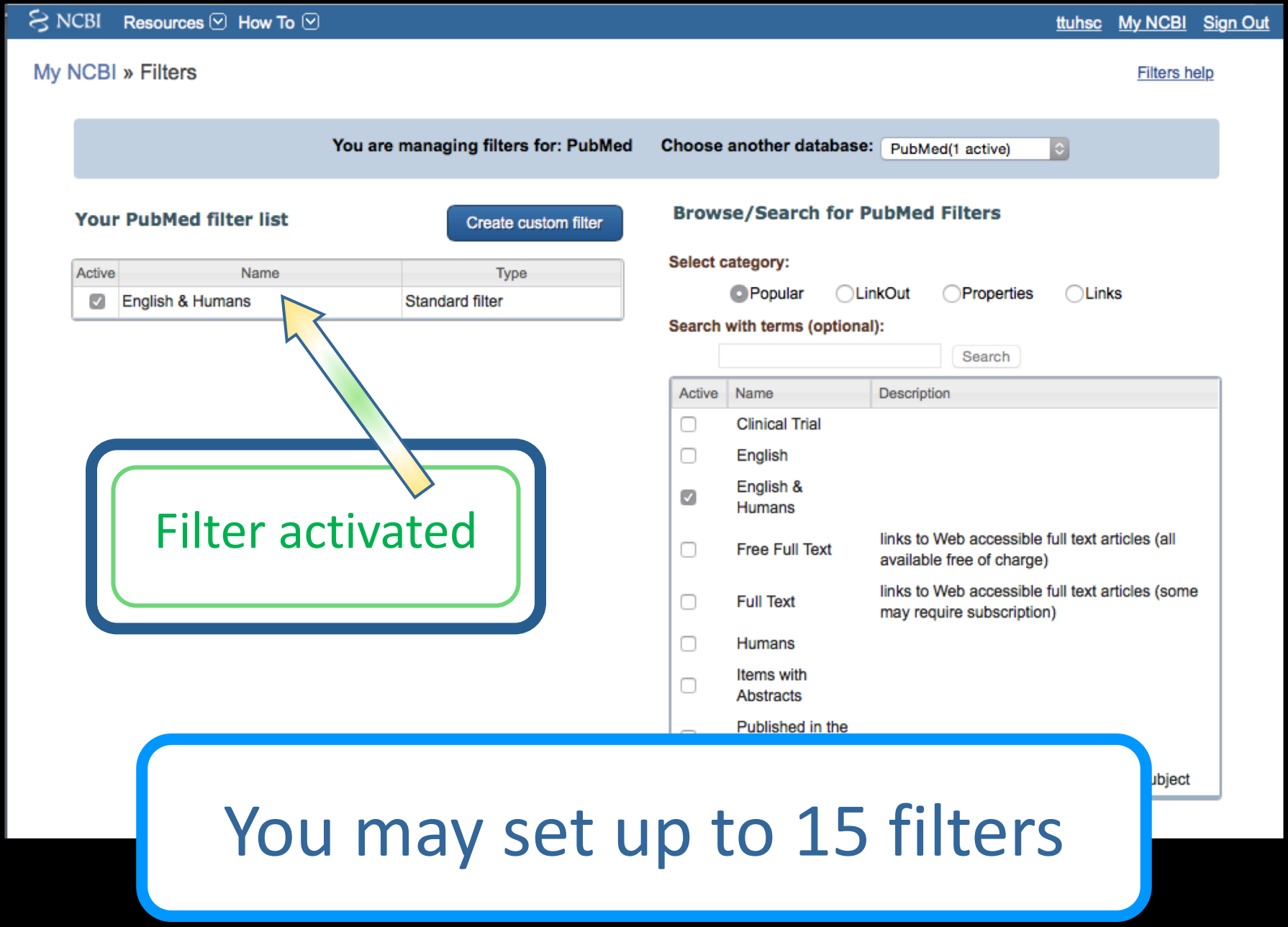
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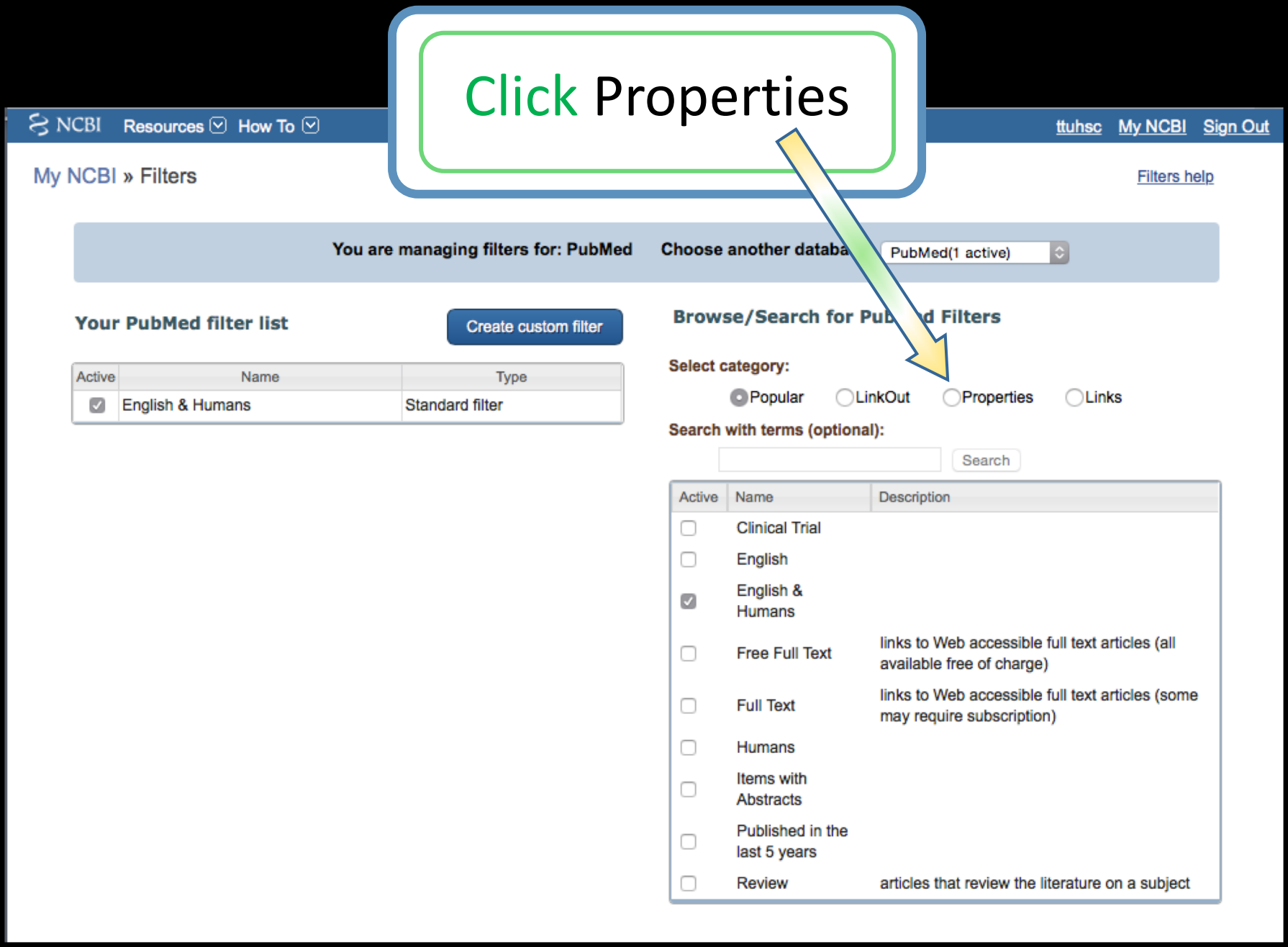
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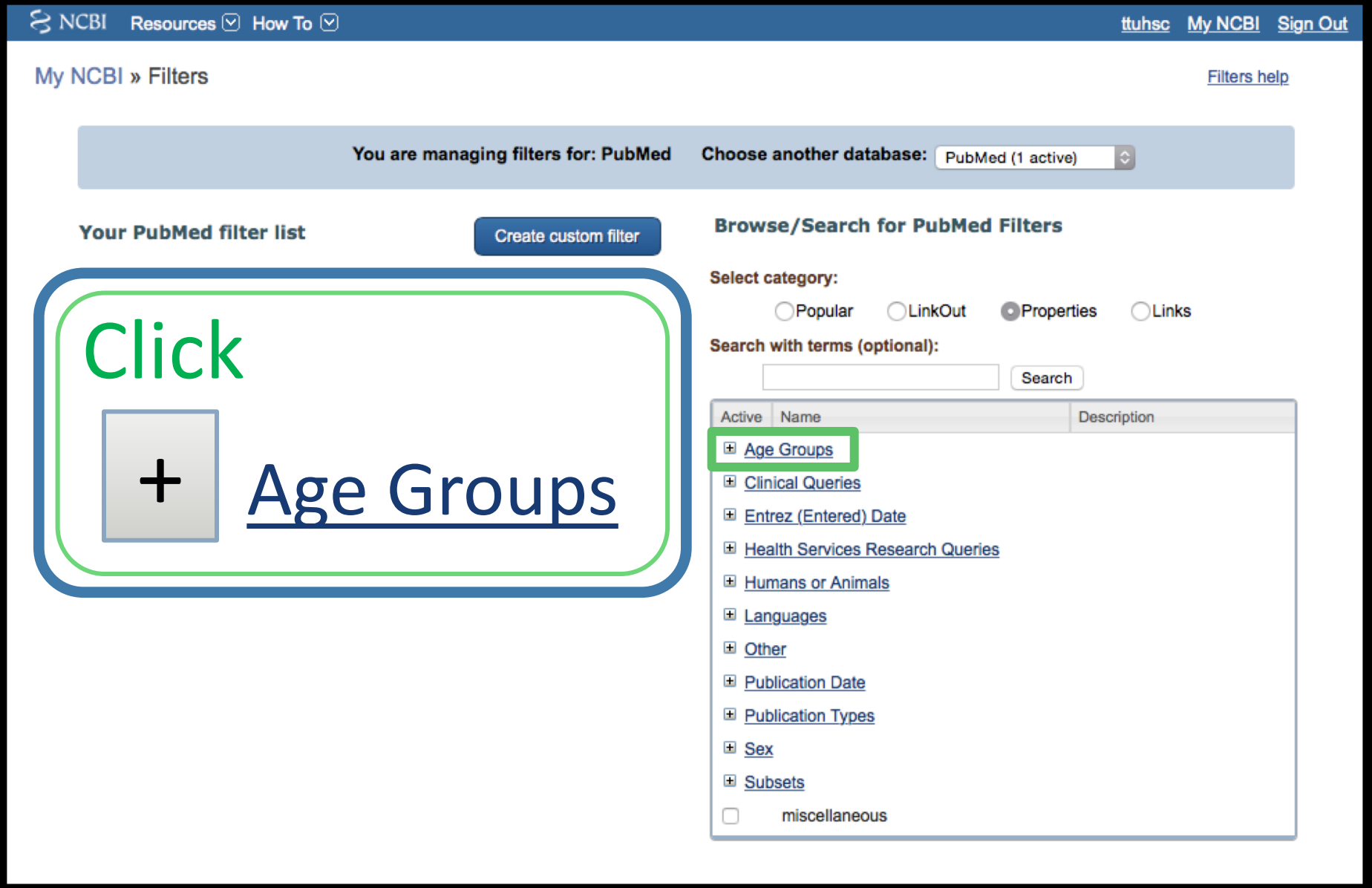
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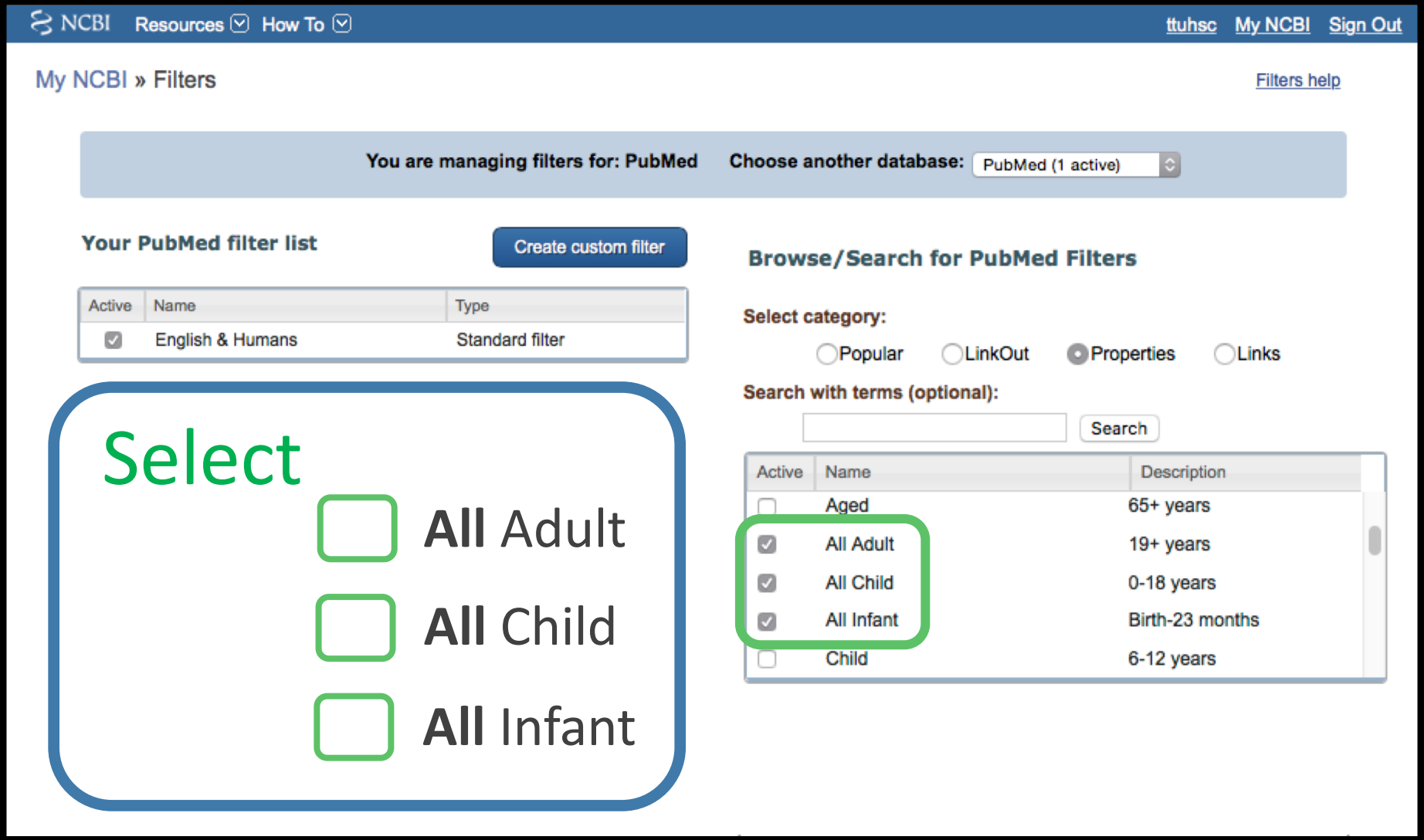
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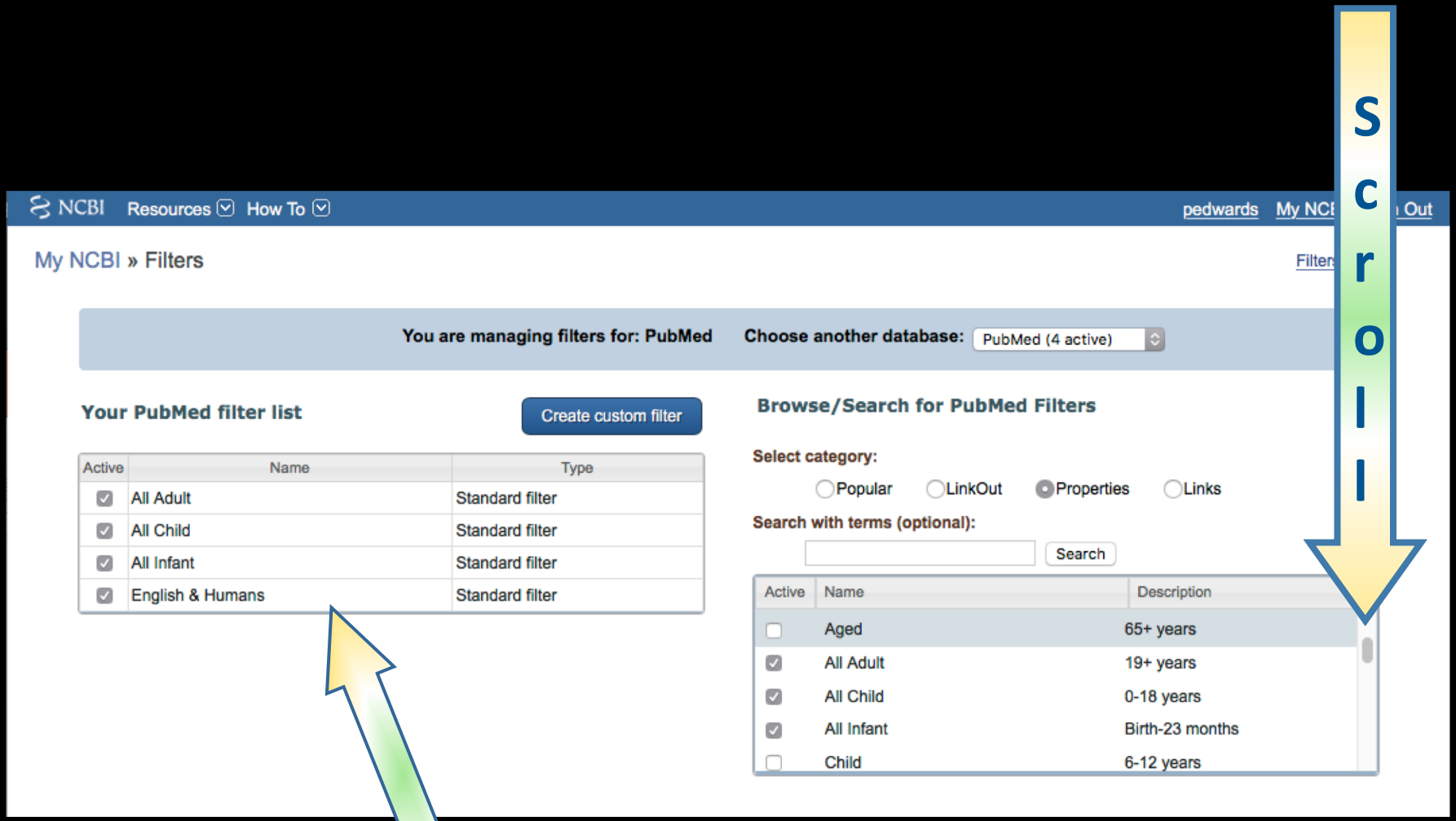

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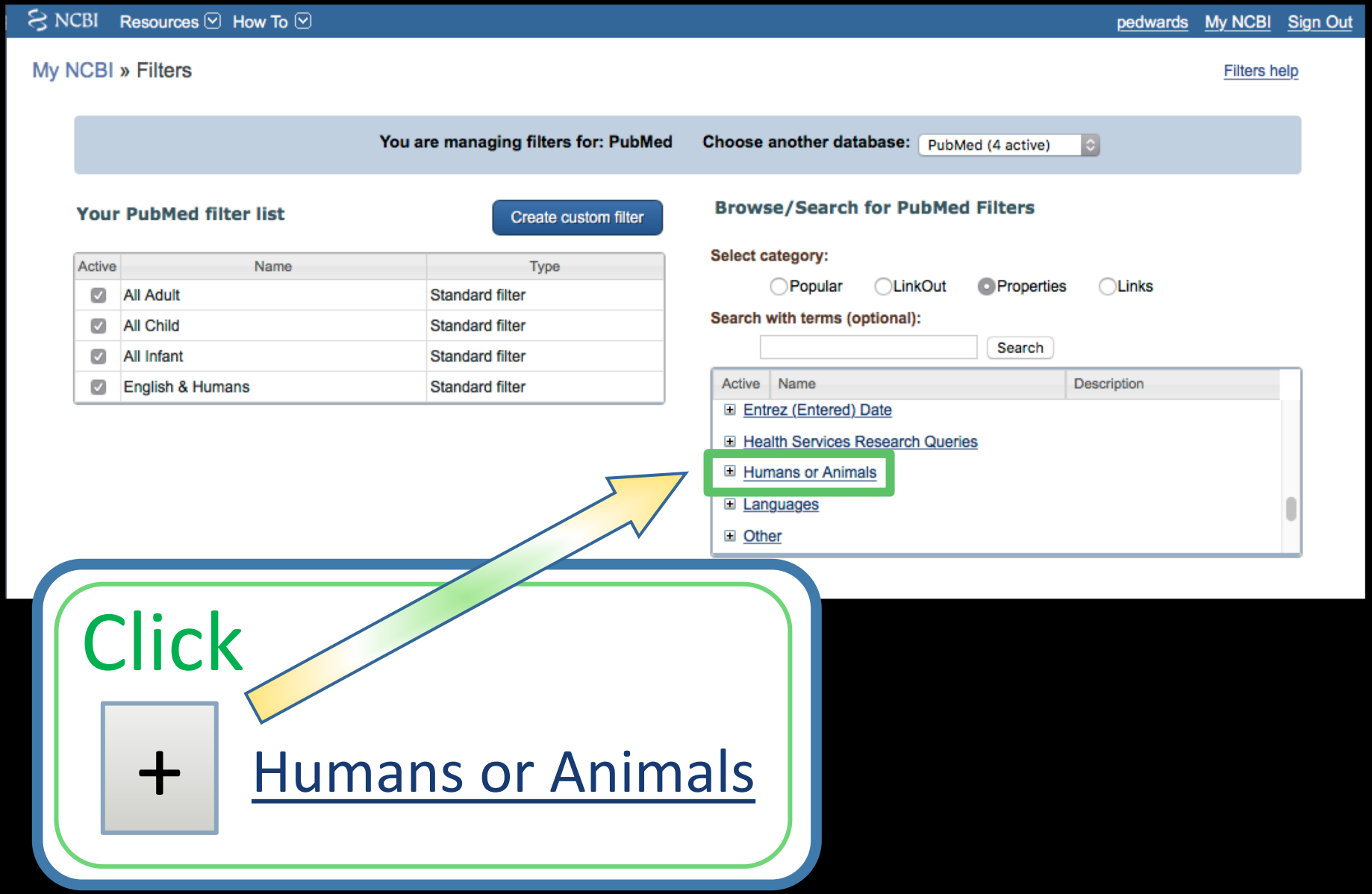
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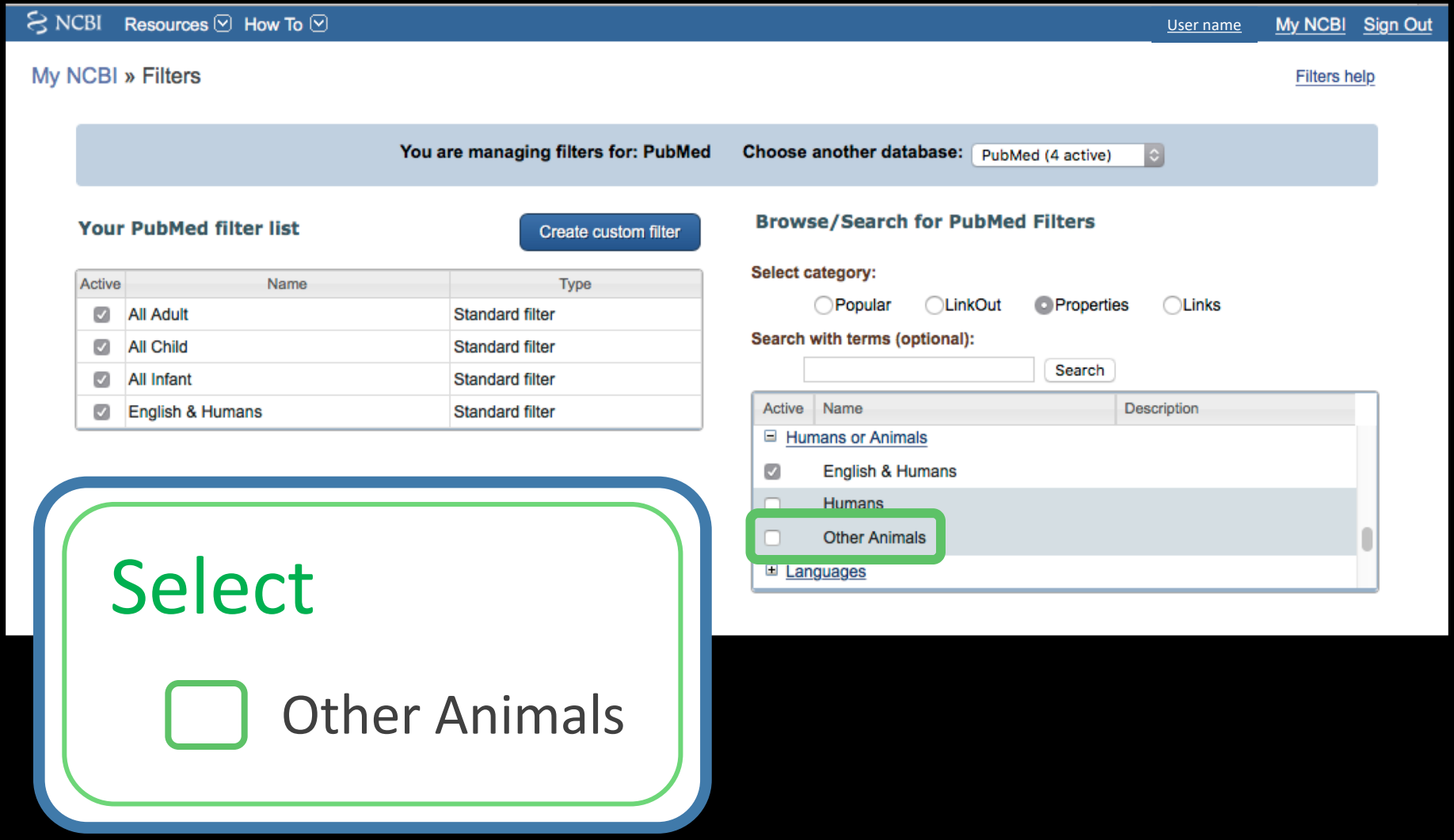
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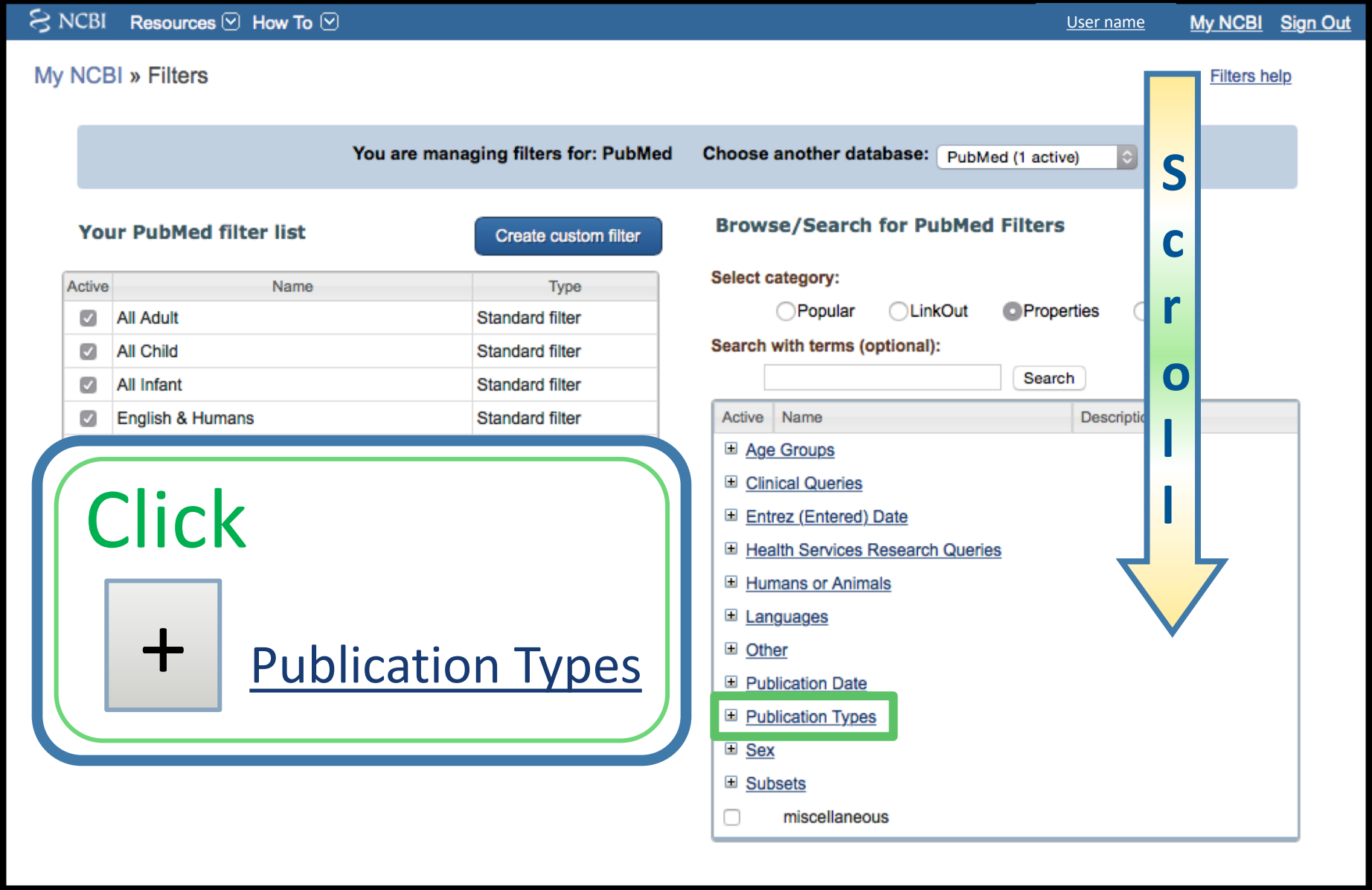
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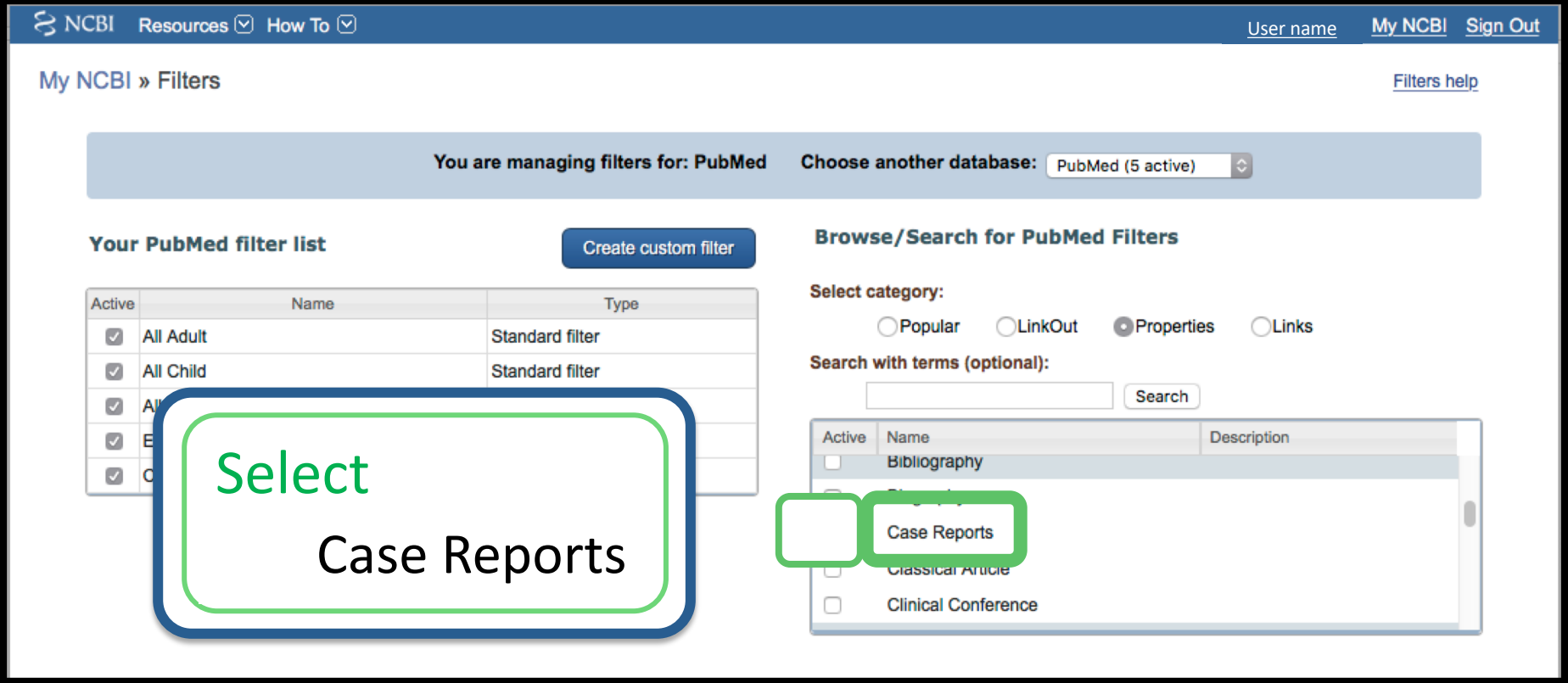
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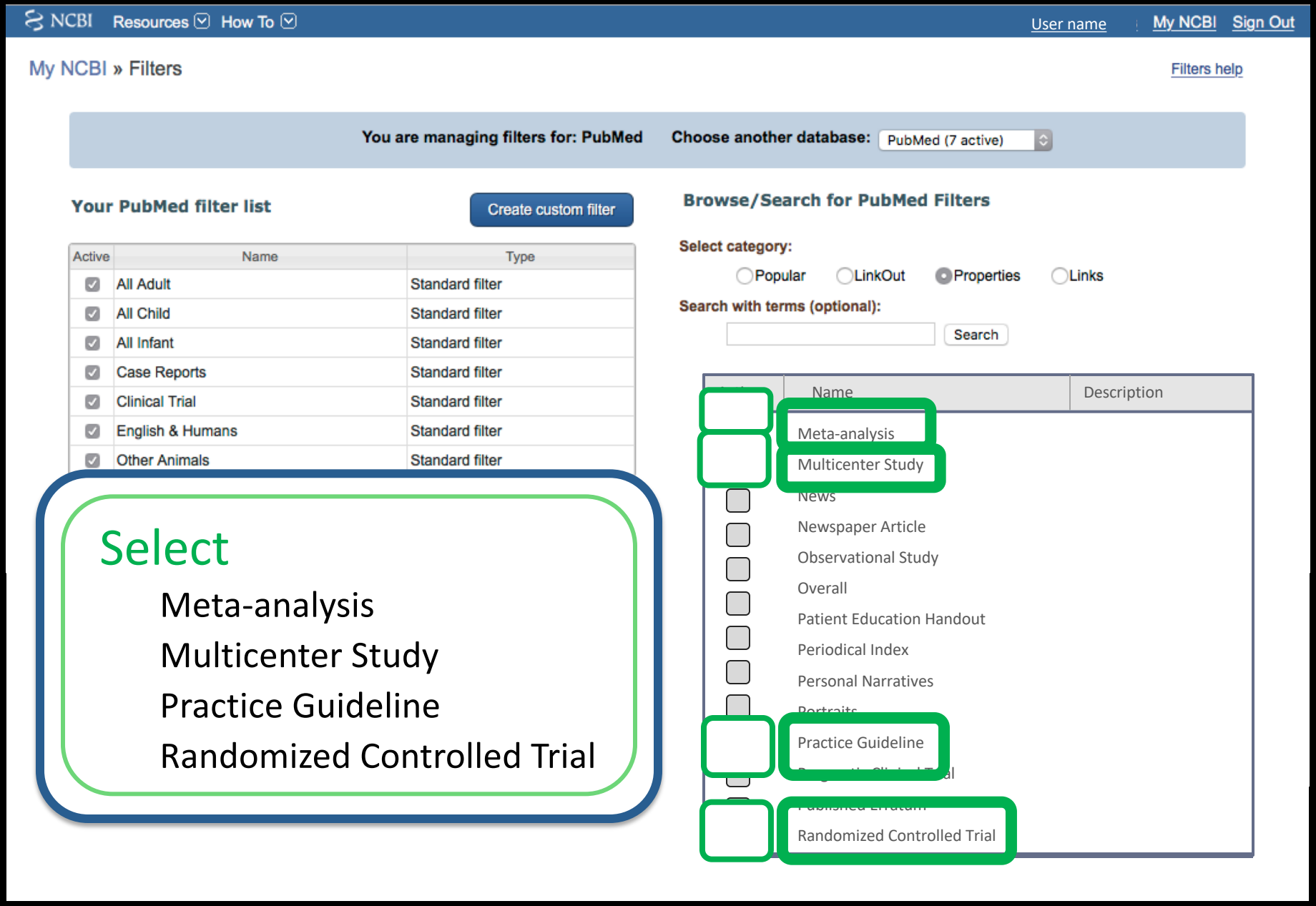
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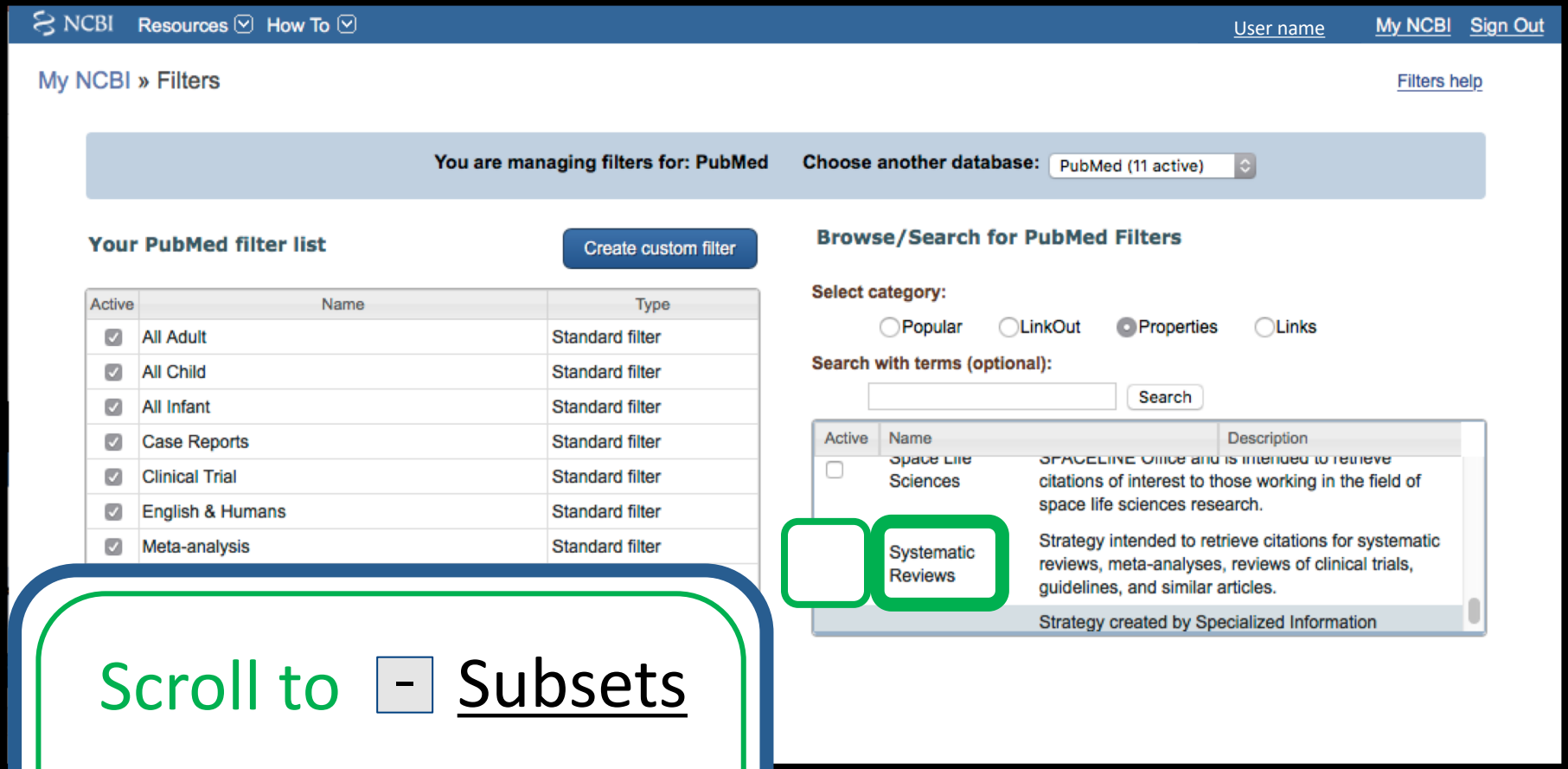

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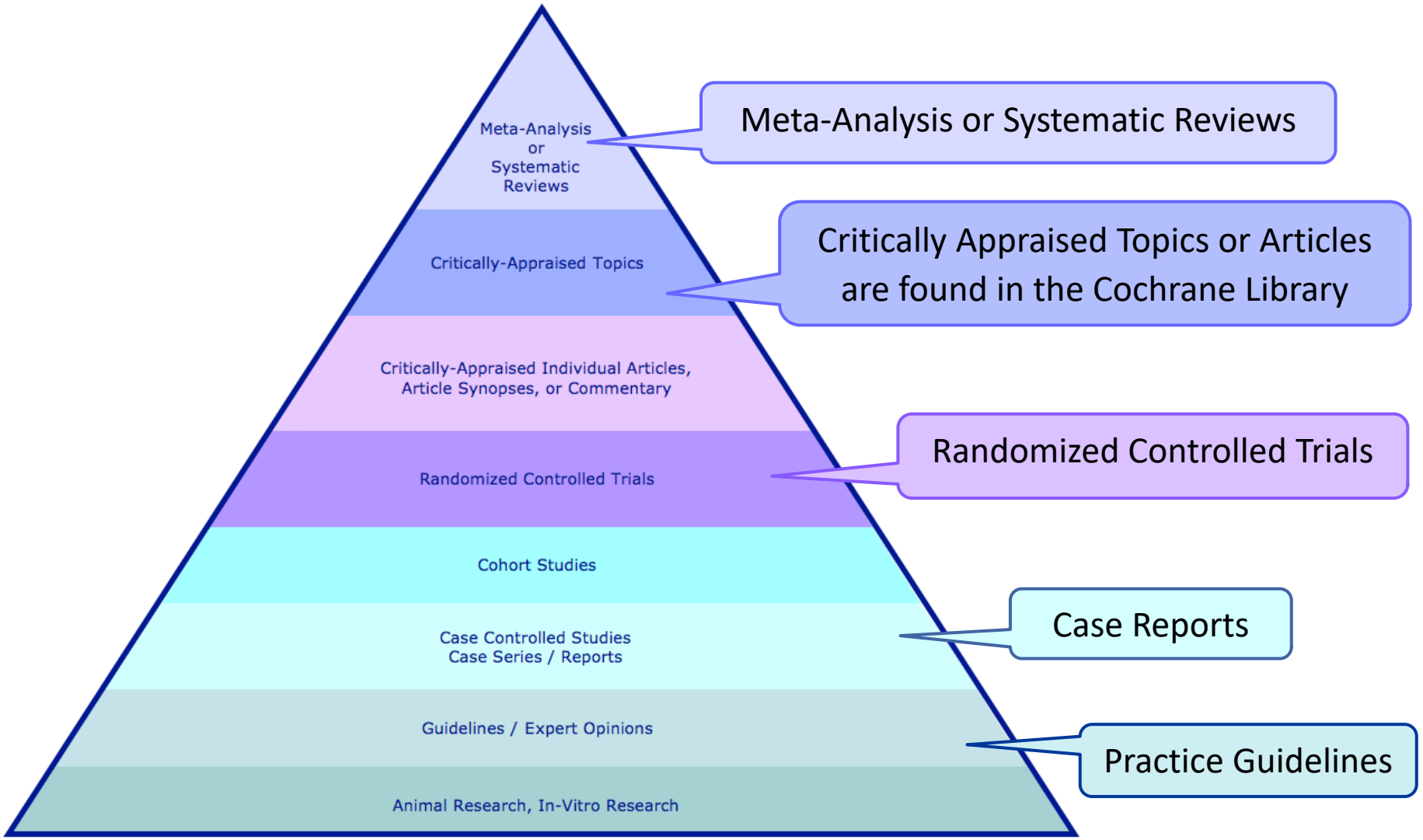

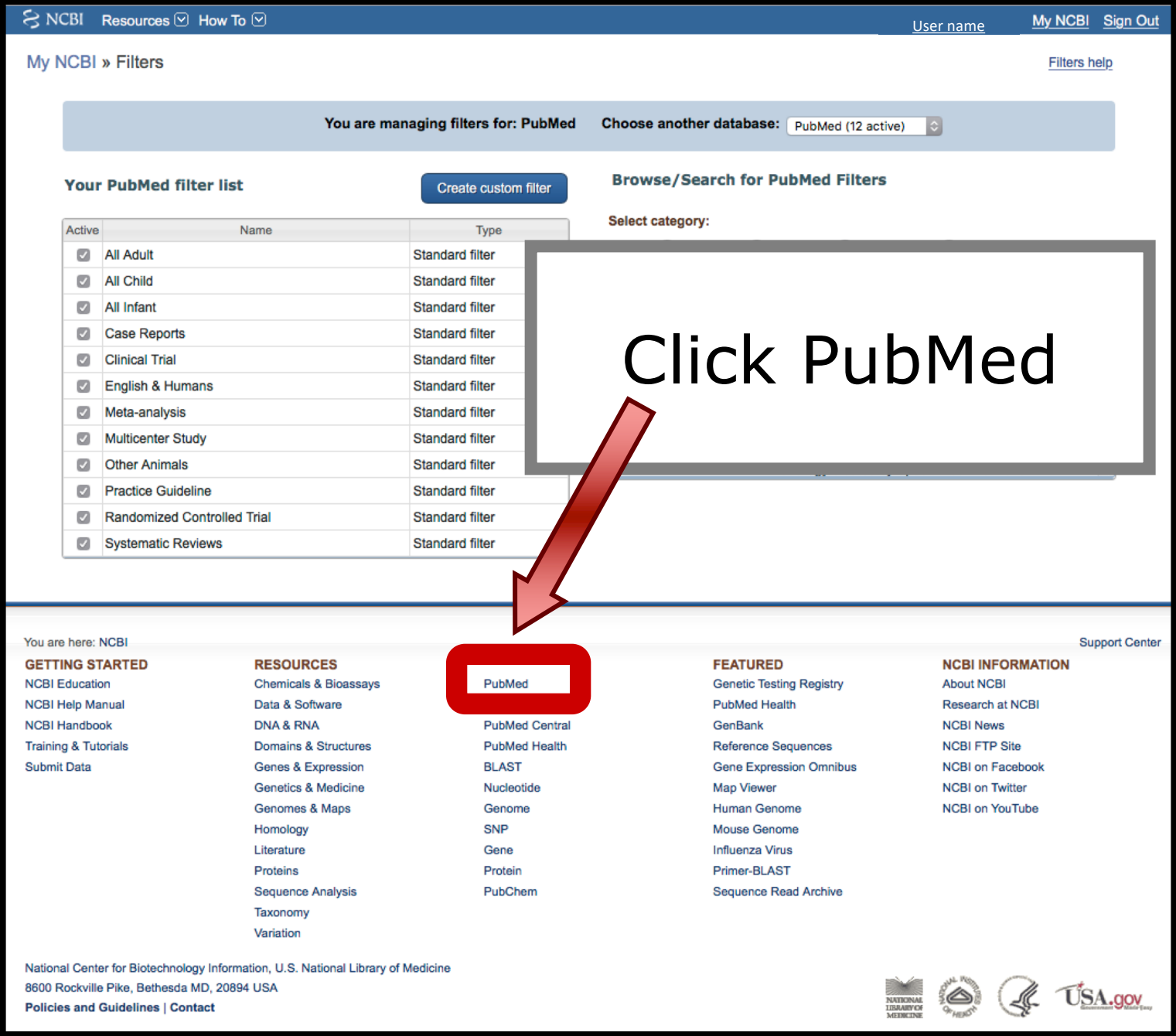
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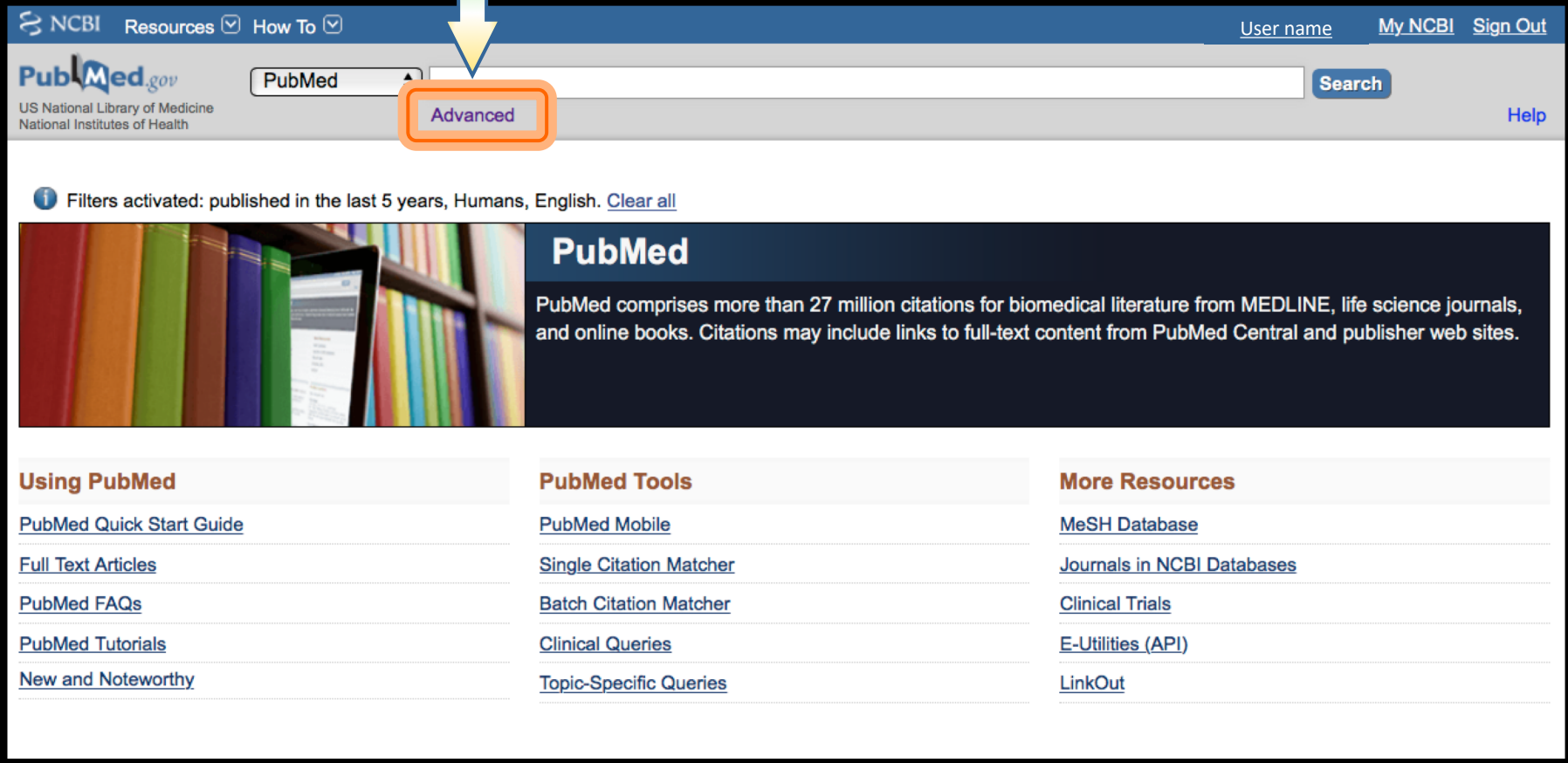

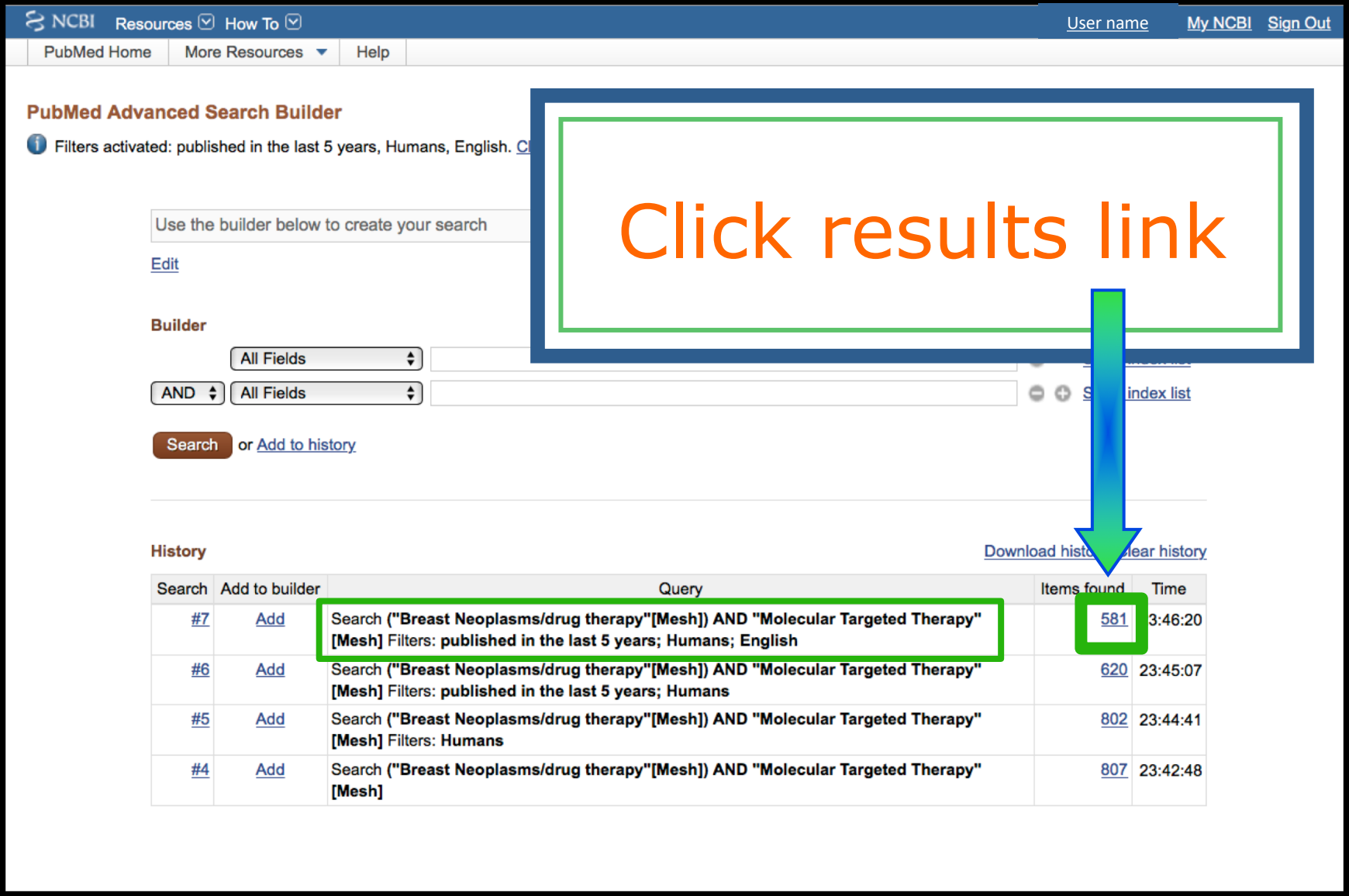
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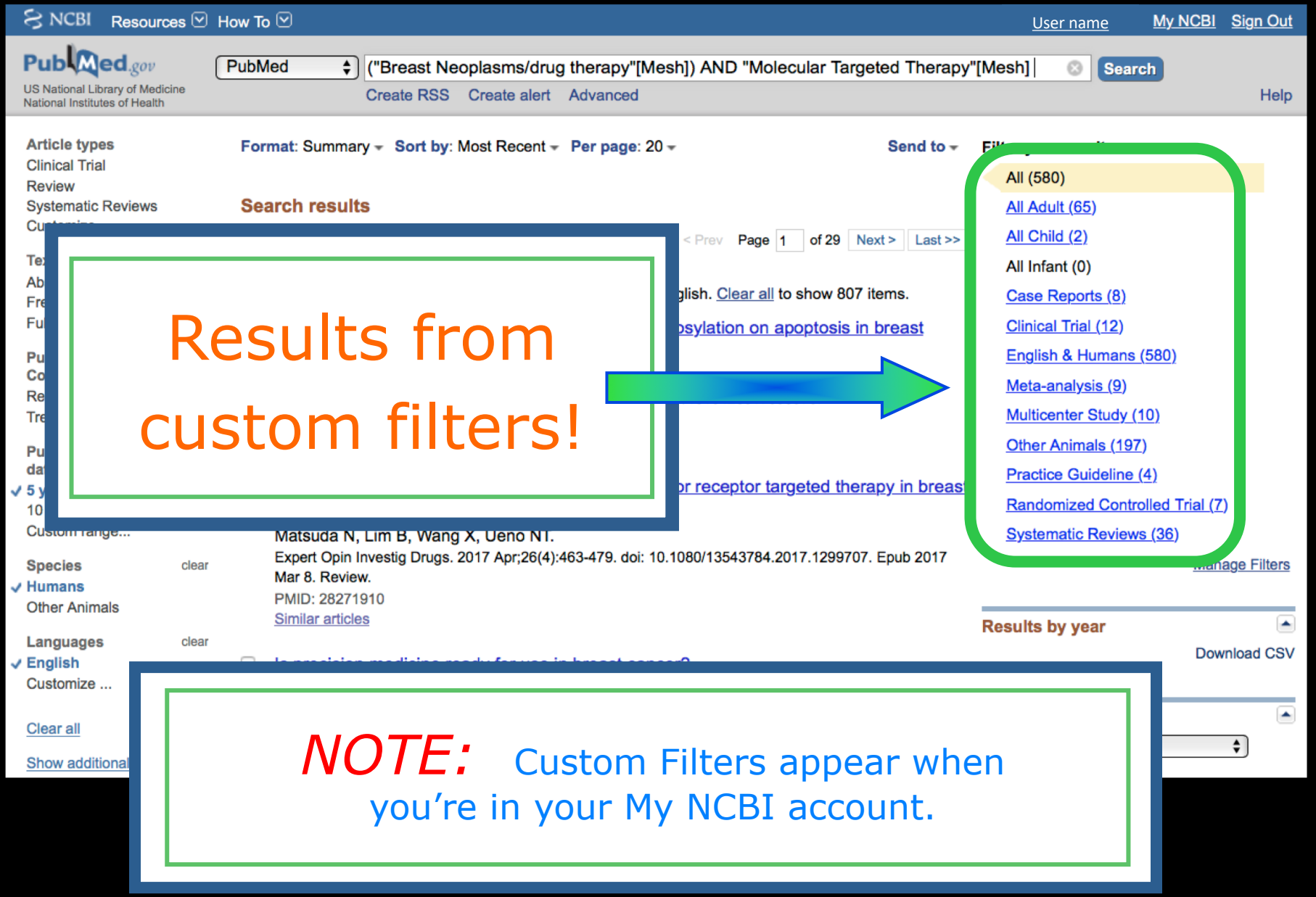
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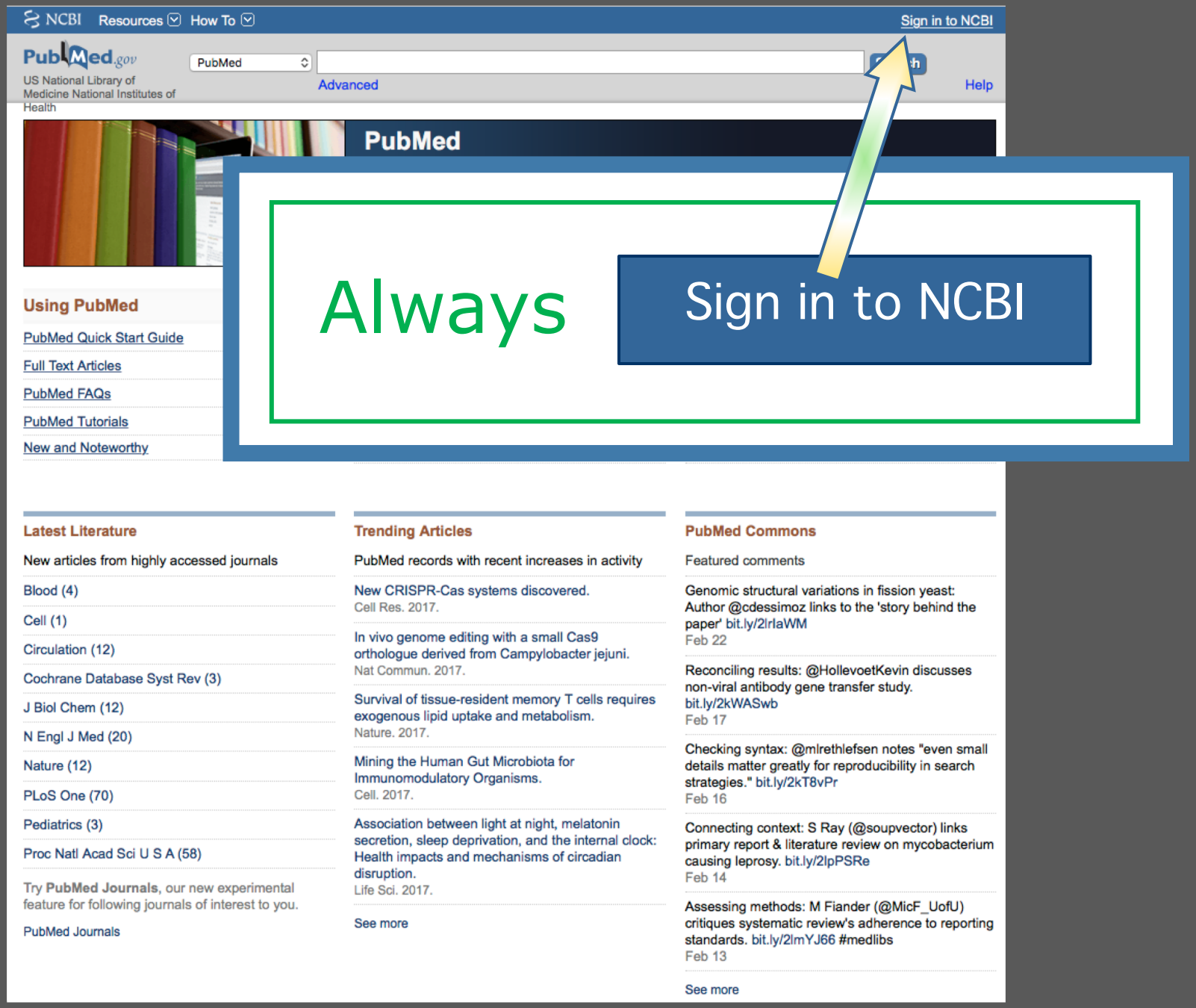
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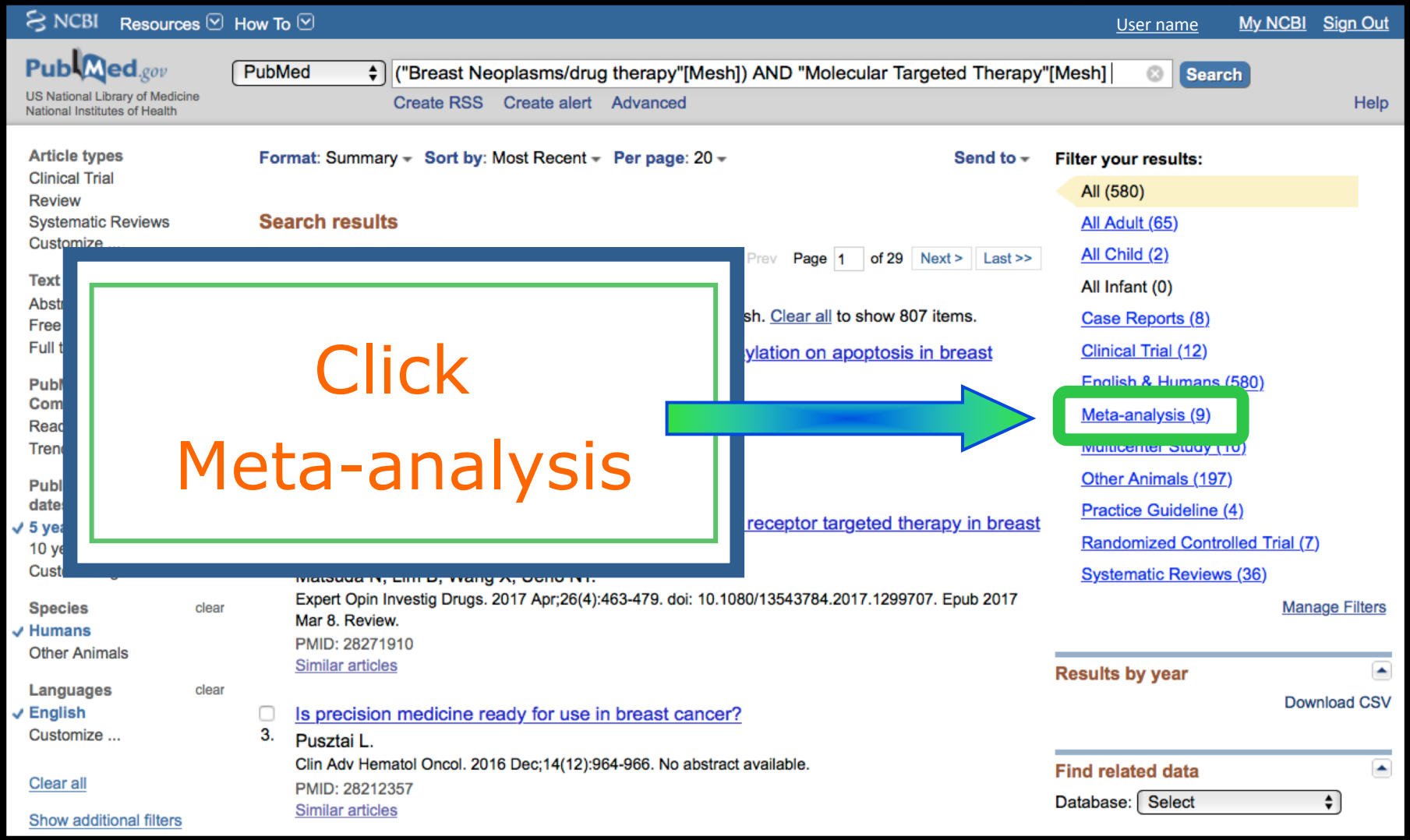
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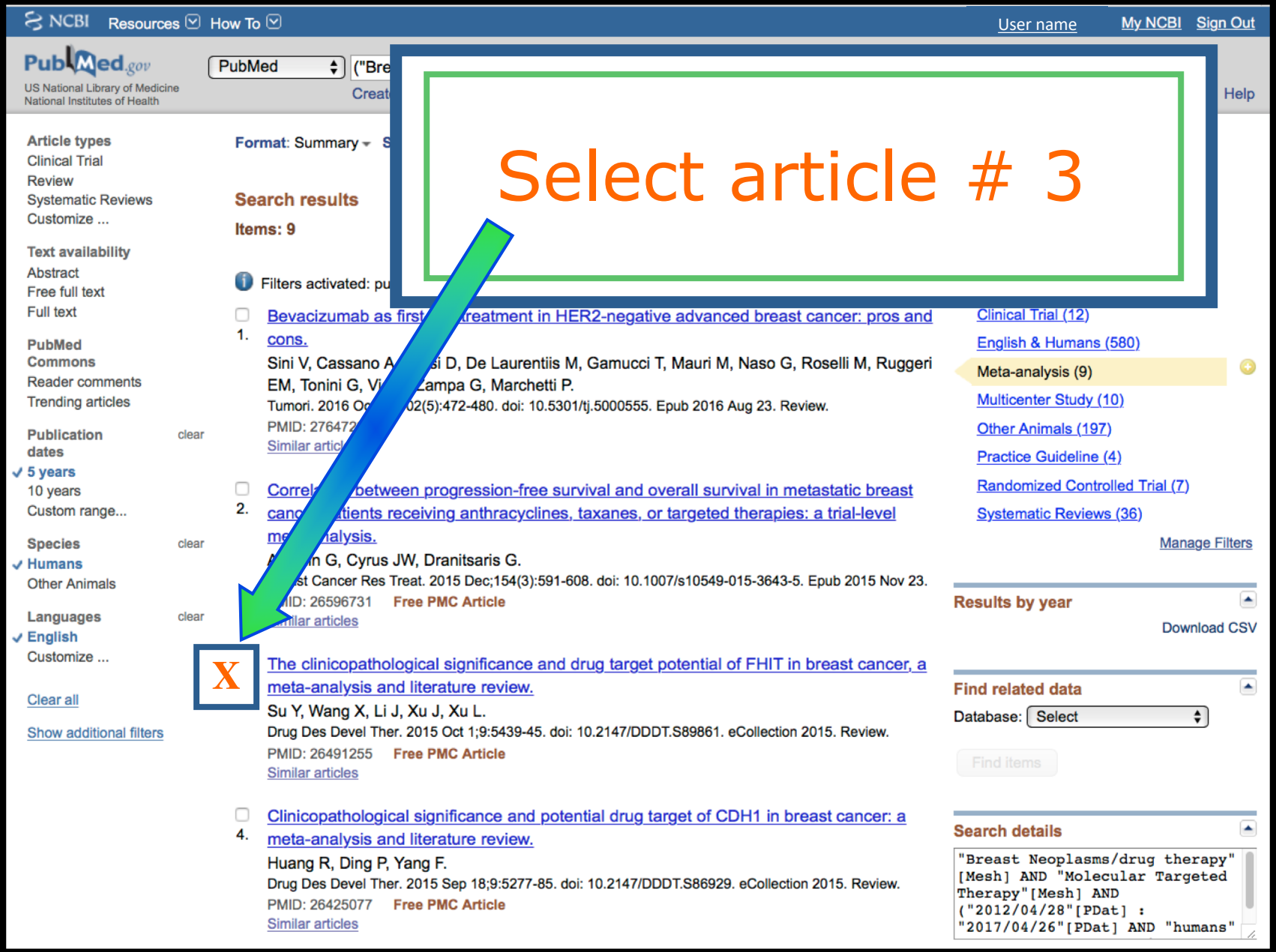
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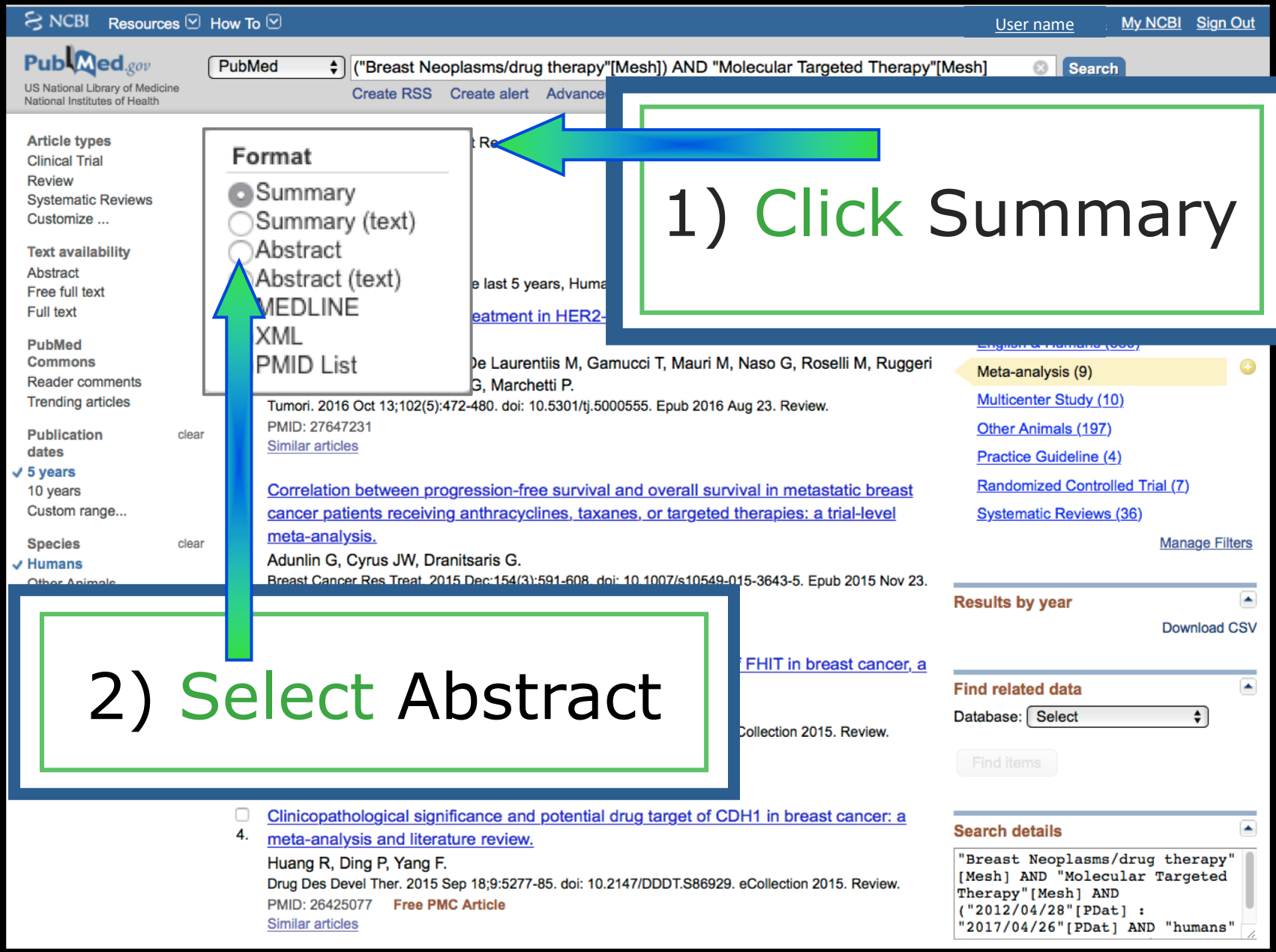
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Abstract

FHIT is a bona fide tumor-suppressor gene and its loss contributes to tumorigenesis of epithelial cancers including breast cancer (BC). However, the association and clinicopathological significance between FHIT promoter hypermethylation and BC remains unclear. The purpose of this study is to conduct a meta-analysis and literature review to investigate the clinicopathological significance of FHIT methylation in BC. A detailed literature search was performed in PubMed, EMBASE, Web of Science, and Google Scholar databases. The data were extracted and assessed by two reviewers independently. Odds ratios with 95% corresponding confidence intervals were calculated. A total of seven relevant articles were available for meta-analysis, which included 985 patients. The frequency of FHIT hypermethylation was significantly increased in invasive ductal carcinoma compared to benign breast disease, the pooled odds ratio was 8.43, P<0.00001. The rate of FHIT hypermethylation was not significantly different between stage I/II and stage III/IV, odds ratio was 2.98, P=0.06. In addition, FHIT hypermethylation was not significantly associated with ER and PR status. FHIT hypermethylation was not significantly correlated with premenopausal and postmenopausal patients with invasive ductal carcinoma. In summary, our meta-analysis indicated that the frequency of FHIT hypermethylation was significantly increased in BC compared to benign breast disease. The rate of FHIT hypermethylation in advanced stages of BC was higher than in earlier stages; however, the difference was not statistically significant. Our data suggested that FHIT methylation could be a diagnostic biomarker of BC carcinogenesis. FHIT is a potential drug target for development of demethylation treatment for patients with BC.

KEYWORDS: FHIT; drug target; meta-analysis; methylation; odds ratio; tumor suppressor gene

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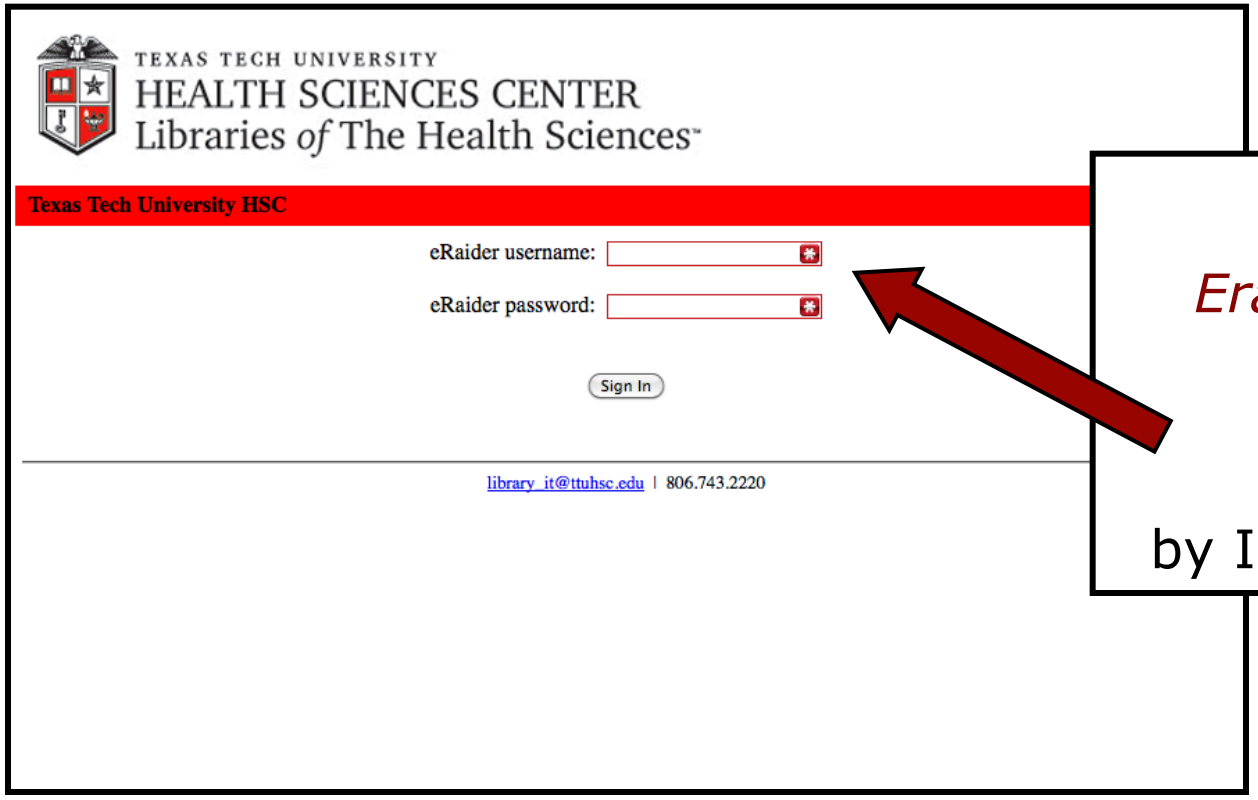

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The clinicopathological significance and drug target potential of FHIT in breast cancer, a meta-analysis and literature review

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Xiaoli Wang[1,2]
Jun Li[1]
Junming Xu[3]
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Abstract: *FHIT* is a bona fide tumor-suppressor gene and its loss contributes to tumorigenesis of epithelial cancers including breast cancer (BC). However, the association and clinicopathological significance between *FHIT* promoter hypermethylation and BC remains unclear. The purpose of this study is to conduct a meta-analysis and literature review to investigate the clinicopathological significance of *FHIT* methylation in BC. A detailed literature search was performed in PubMed, EMBASE, Web of Science, and Google Scholar databases. The data were extracted and assessed by two reviewers independently. Odds ratios with 95% corresponding confidence intervals were calculated. A total of seven relevant articles were available for meta-analysis, which included 985 patients. The frequency of *FHIT* hypermethylation was significantly increased in invasive ductal carcinoma compared to benign breast disease, the pooled odds ratio was 8.43, $P<0.00001$. The rate of *FHIT* hypermethylation was not significantly different between stage I/II and stage III/IV, odds ratio was 2.98, $P=0.06$. In addition, *FHIT* hypermethylation was not significantly associated with ER and PR status. *FHIT* hypermethylation was not significantly correlated with premenopausal and postmenopausal patients with invasive ductal carcinoma. In summary, our meta-analysis indicated that the frequency of *FHIT* hypermethylation was significantly increased in BC compared to benign breast disease. The rate of *FHIT* hypermethylation in advanced stages of BC was higher than in earlier stages; however, the difference was not statistically significant. Our data suggested that *FHIT* methylation could be a diagnostic biomarker of BC carcinogenesis. FHIT is a potential drug target for development of demethylation treatment for patients with BC.

Keywords: FHIT, methylation, tumor suppressor gene, meta-analysis, odds ratio, drug target

Introduction

Breast cancer (BC) is the most frequently diagnosed cancer in women and the major cause of cancer-related female mortality in the USA.[1] A series of epigenetic alterations and genetic abnormalities contribute to this process of BC onset and progression. Epigenetic alterations, which occur in transformed cells, involve changes in DNA methylation, including global hypomethylation, focal hypermethylation, histone modifications, and nucleosomal remodeling.[2] Specifically, abnormal promoter region methylation in tumor suppressor genes results in loss of gene function which contributes to tumorigenesis of epithelial cancers.[3] Therefore, it is critical to identify biomarkers for diagnosis and new molecular targets for development of personalized therapy. Common fragile sites are large chromosomal regions that are hot spots for alterations, especially in cancer cells. The three most frequently expressed common fragile site regions are FRA3B, FRA16D, and FRA6E which contain *FHIT*, *WWOX*, and *PARK2*.[4,5]

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Author information

Abstract

FHIT is a bona fide tumor-suppressor gene and its loss contributes to tumorigenesis of epithelial cancers including breast cancer (BC). However, the association and clinicopathological significance between FHIT promoter hypermethylation and BC remains unclear. The purpose of this study is to conduct a meta-analysis and literature review to investigate the clinicopathological significance of FHIT methylation in BC. A detailed literature search was performed in PubMed, EMBASE, Web of Science, and Google Scholar databases. The data were extracted and assessed by two reviewers independently. Odds ratios with 95% corresponding confidence intervals were calculated. A total of seven relevant articles were available for meta-analysis, which included 985 patients. The frequency of FHIT hypermethylation was significantly increased in invasive ductal carcinoma compared to benign breast disease, the pooled odds ratio was 8.43, P<0.00001. The rate of FHIT hypermethylation was not significantly different between stage I/II and stage III/IV, odds ratio was 2.98, P=0.06. In addition, FHIT hypermethylation was not significantly associated with ER and PR status. FHIT hypermethylation was not significantly correlated with premenopausal and postmenopausal patients with invasive ductal carcinoma. In summary, our meta-analysis indicated that the frequency of FHIT hypermethylation was significantly increased in BC compared to benign breast disease. The rate of FHIT hypermethylation in advanced stages of BC was higher than in earlier stages; however, the difference was not statistically significant. Our data suggested that FHIT methylation could be a diagnostic biomarker of BC carcinogenesis. FHIT is a potential drug target for development of demethylation treatment for patients with BC.

KEYWORDS: FHIT; drug target; meta-analysis; methylation; odds ratio; tumor suppressor gene

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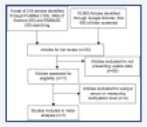

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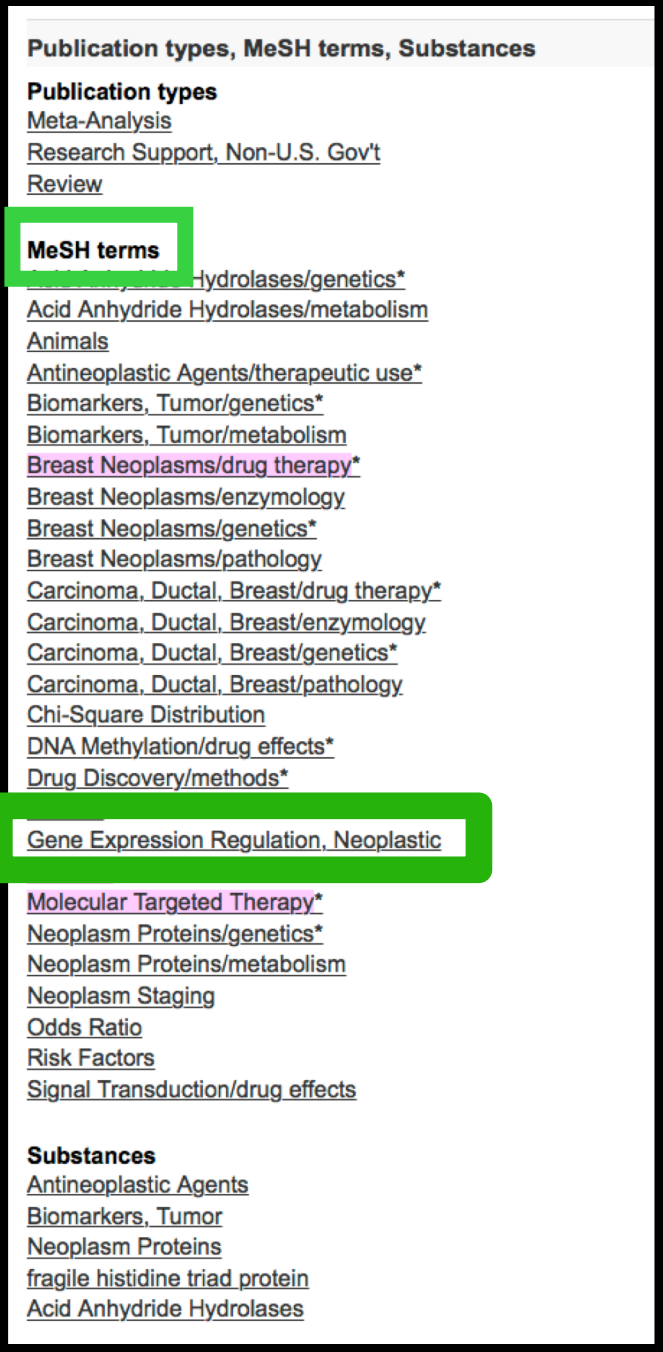

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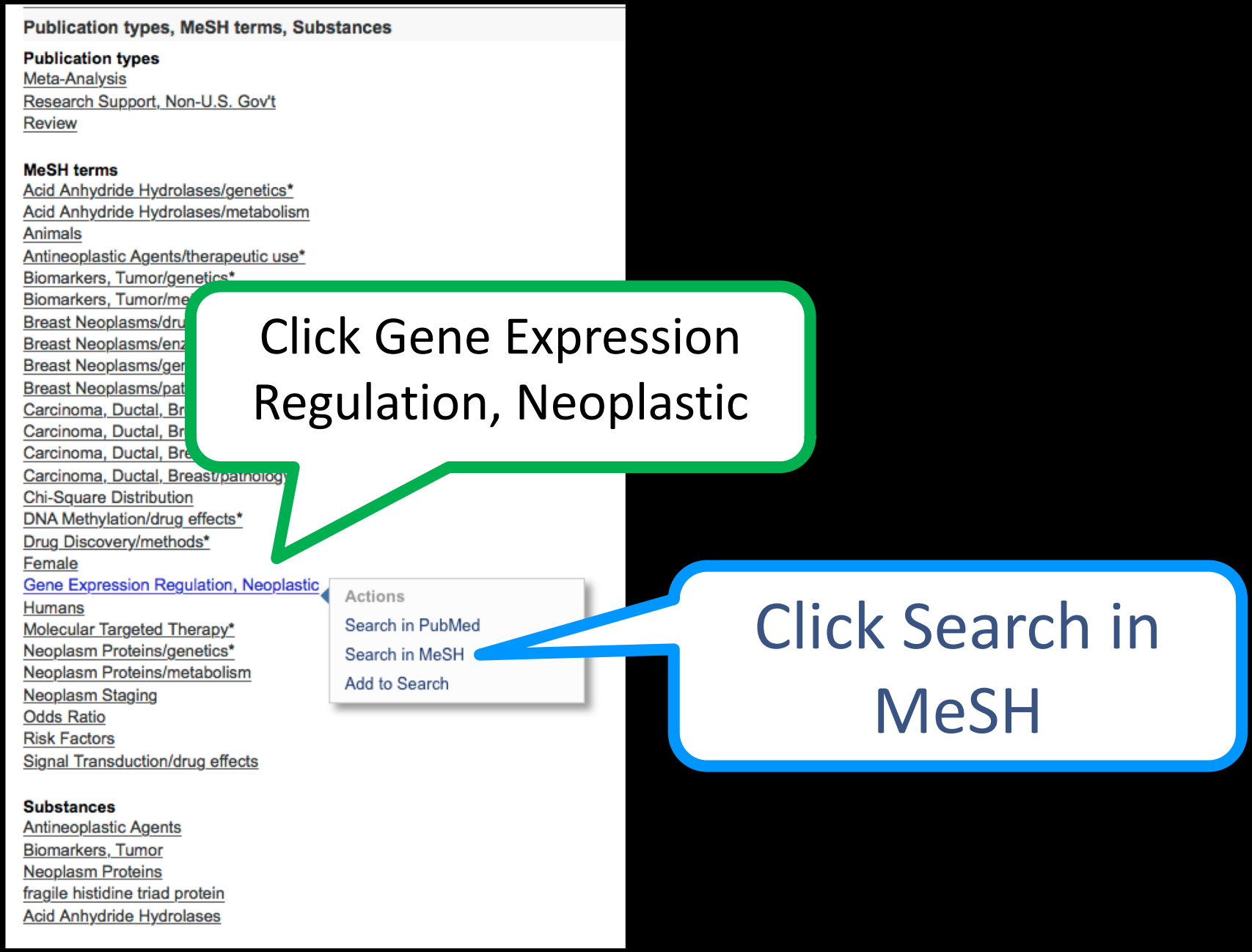
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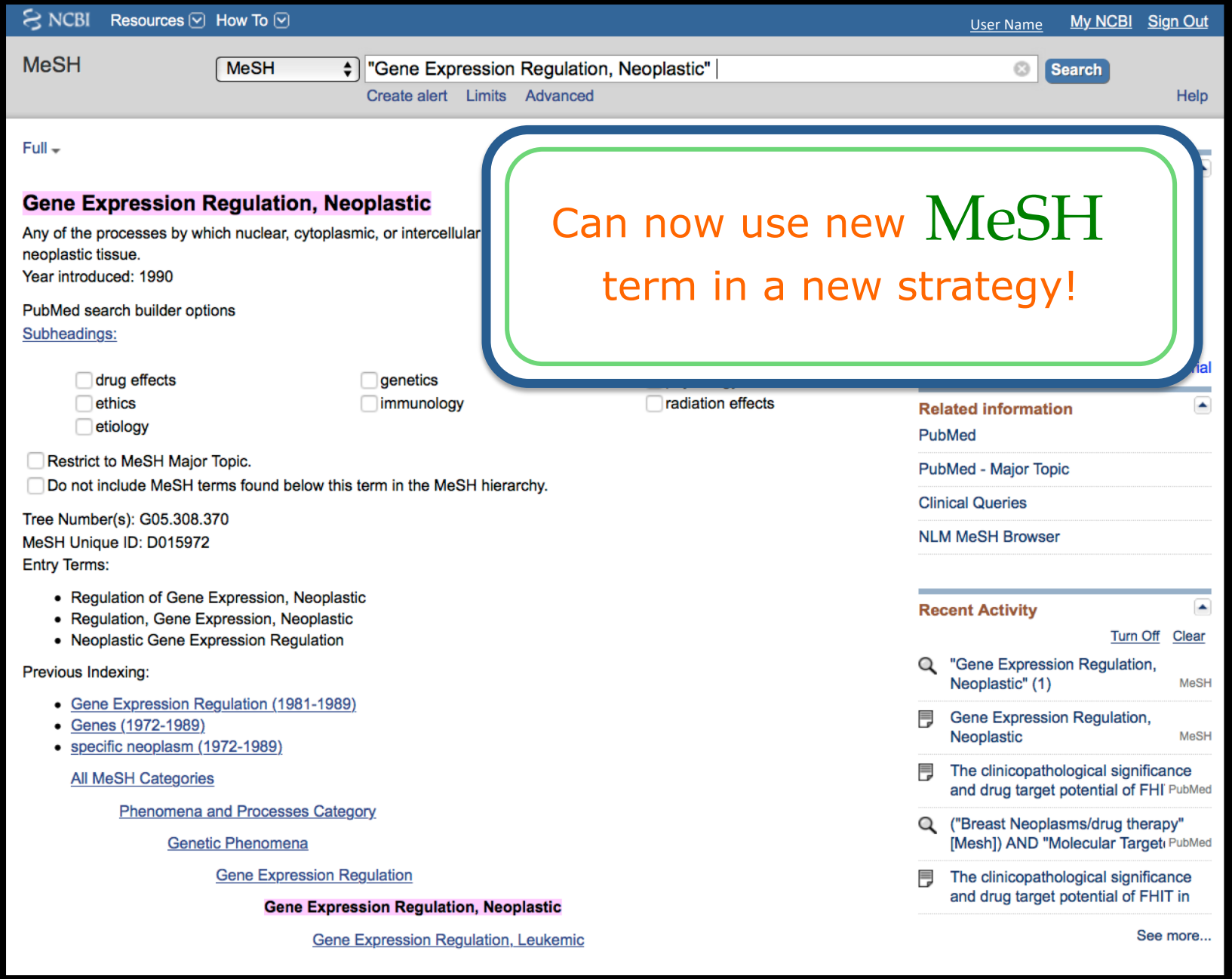
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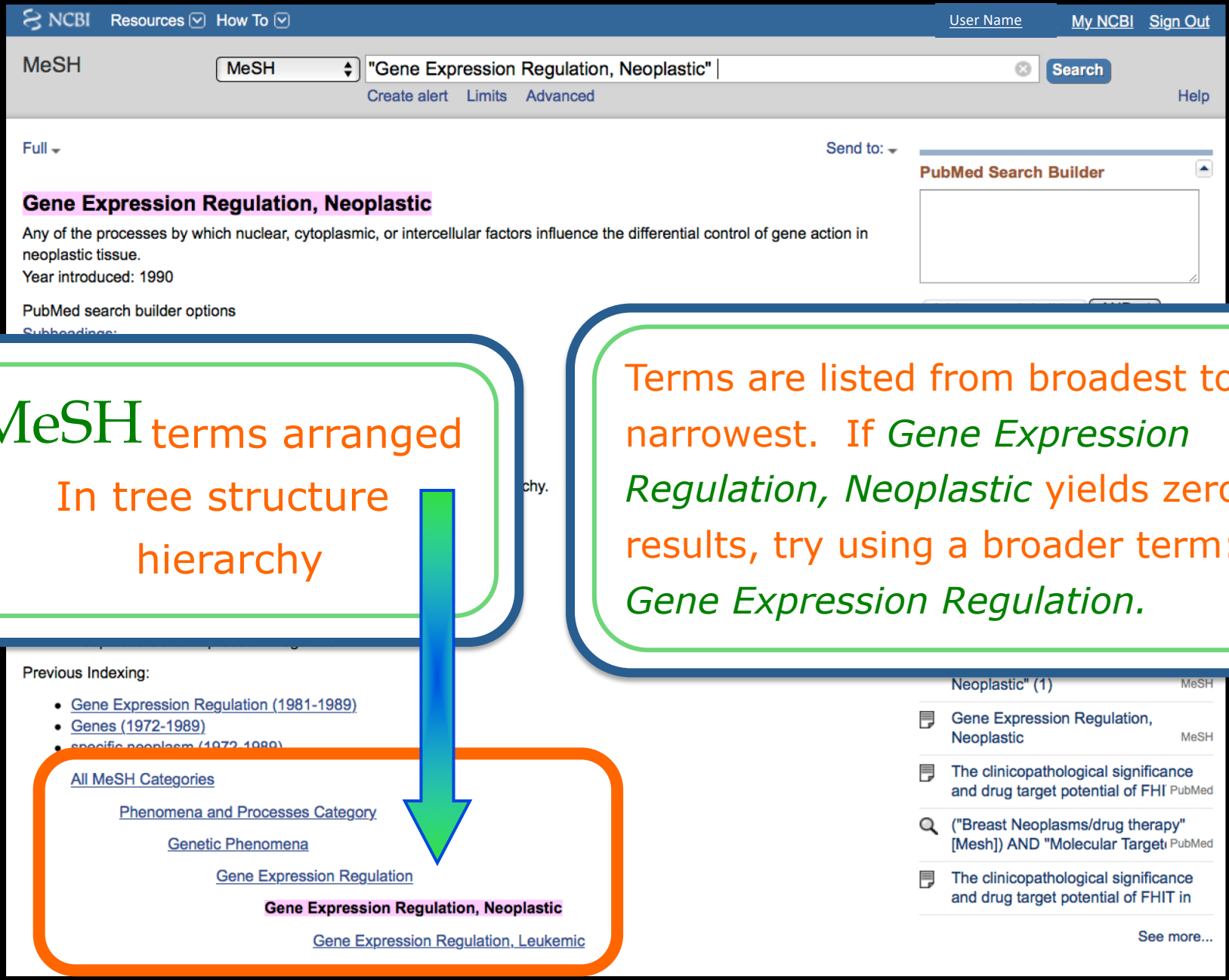
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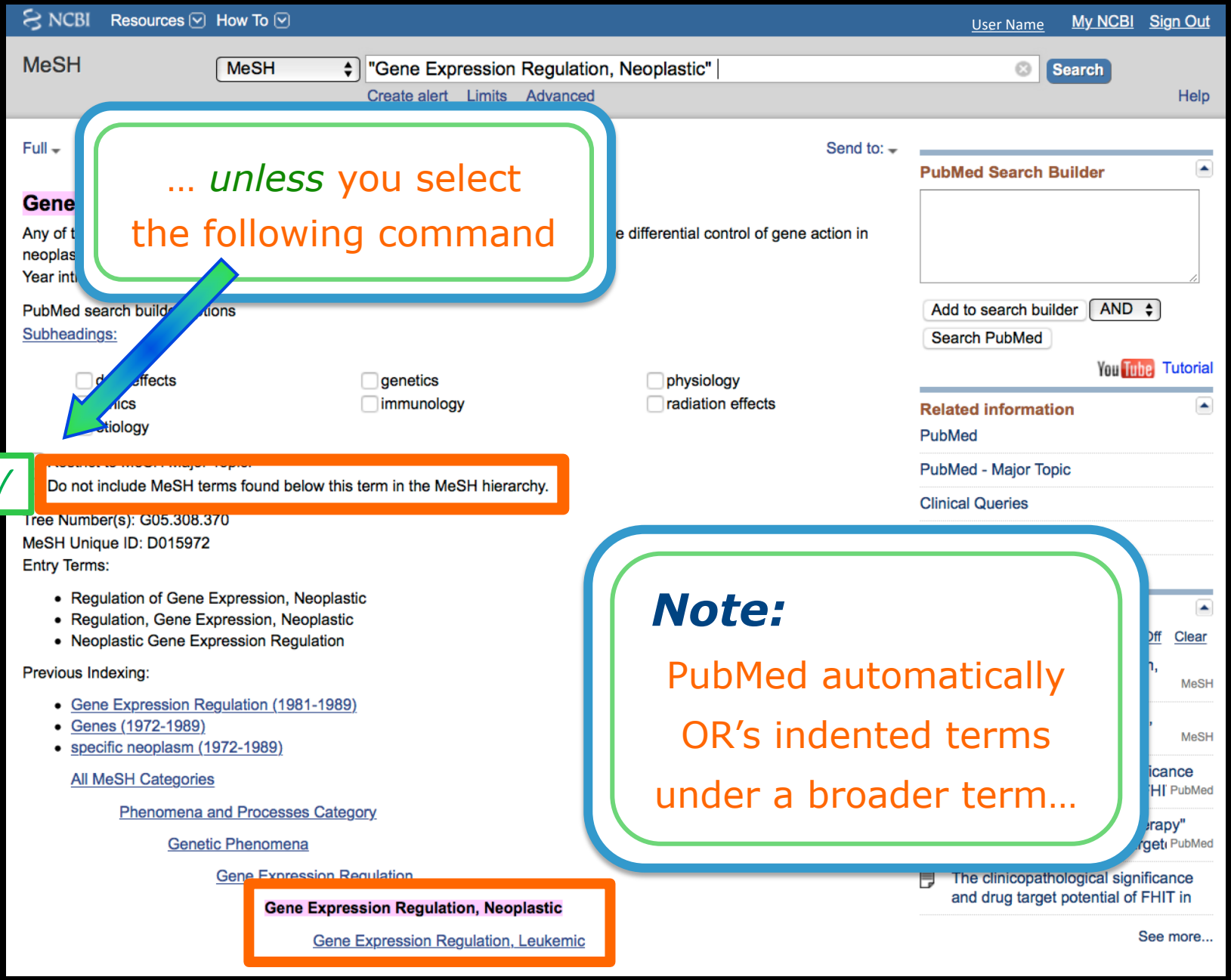
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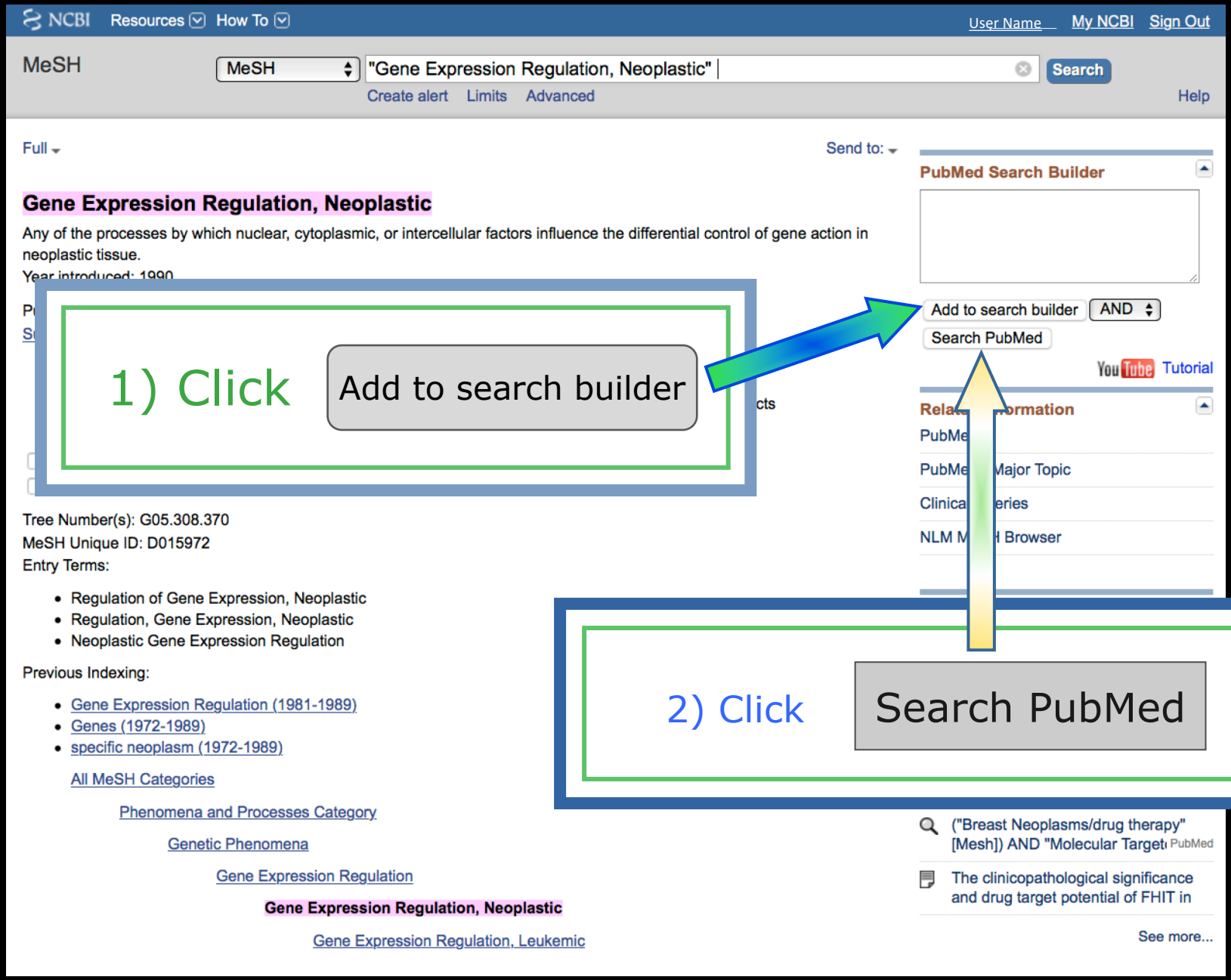
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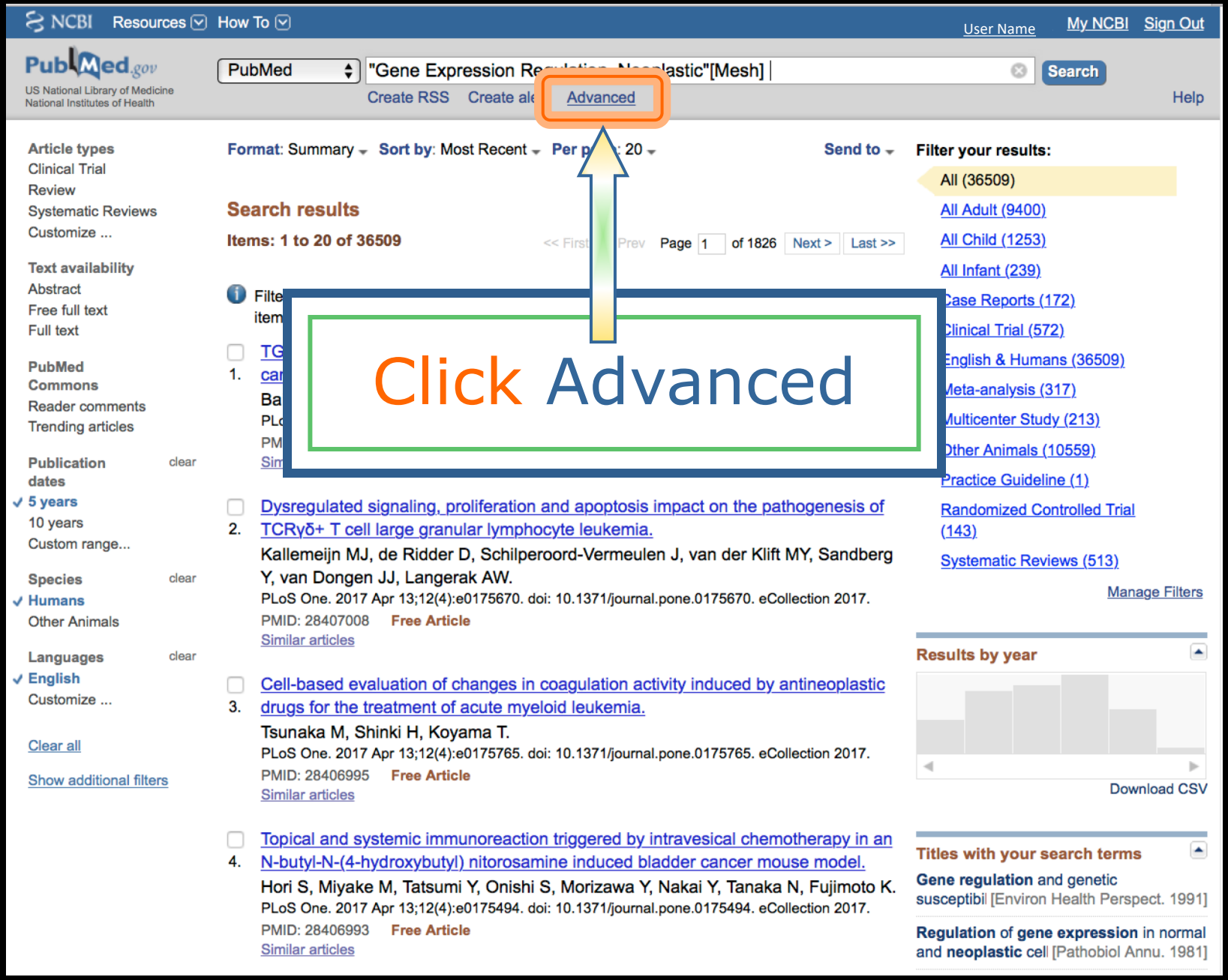
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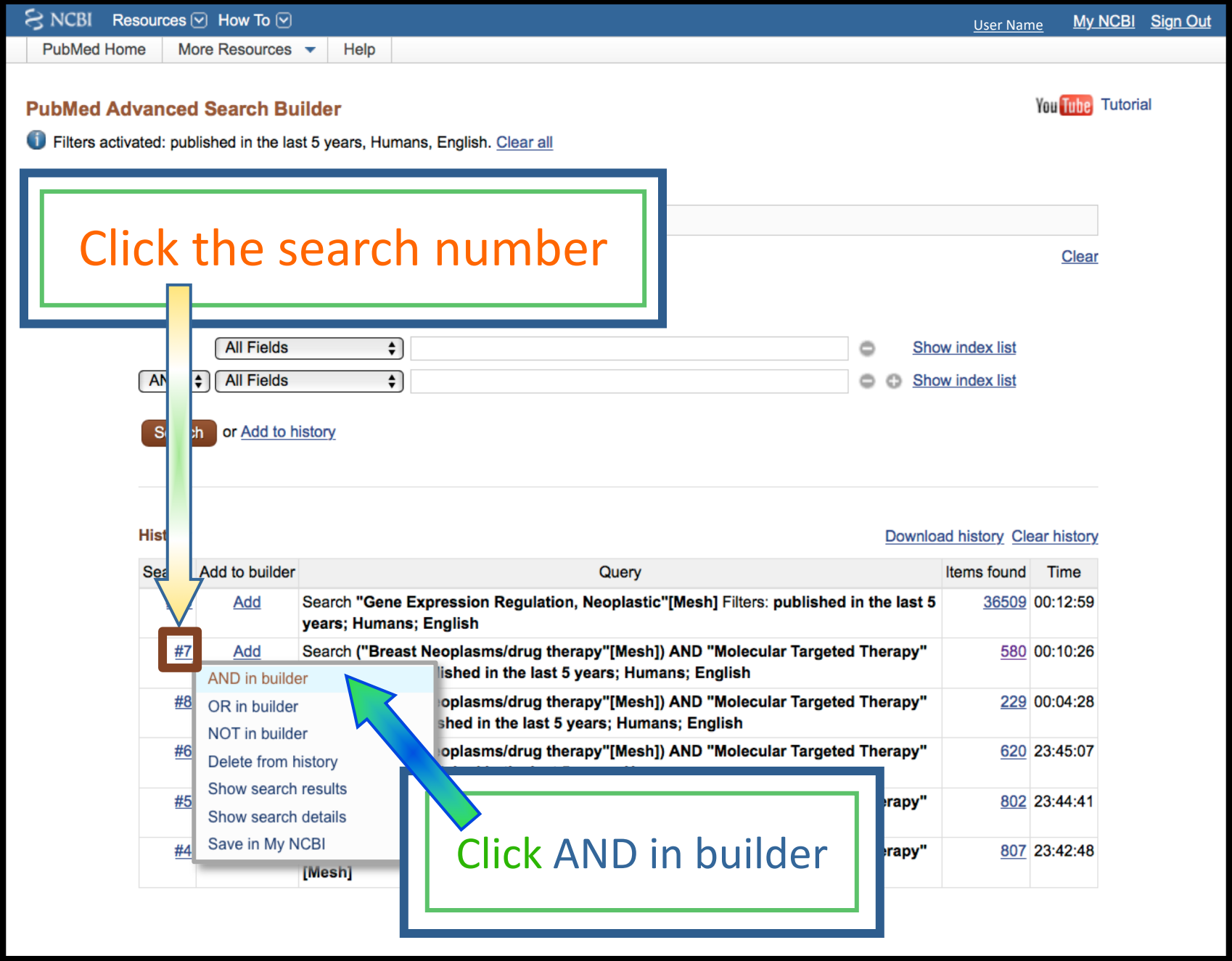
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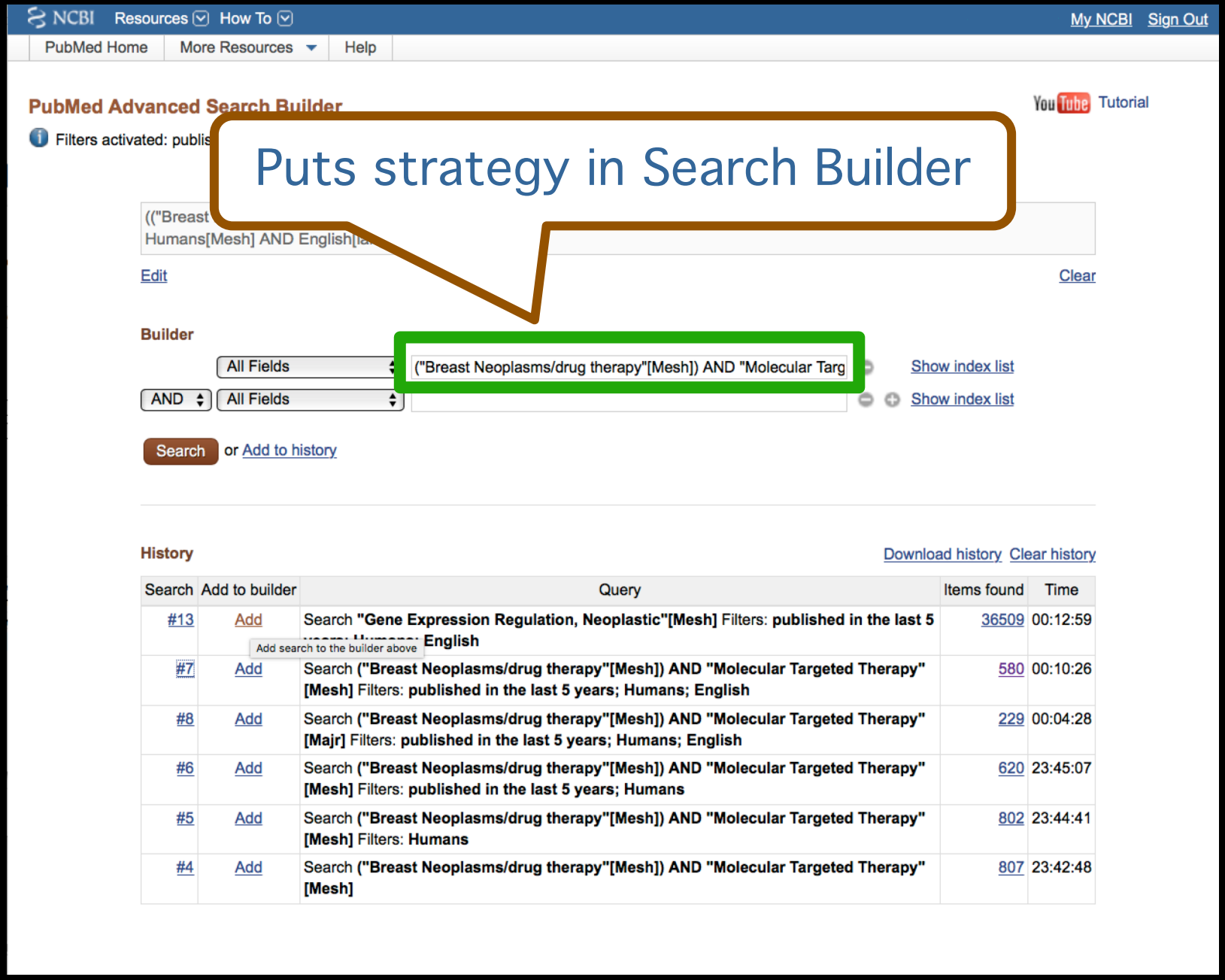
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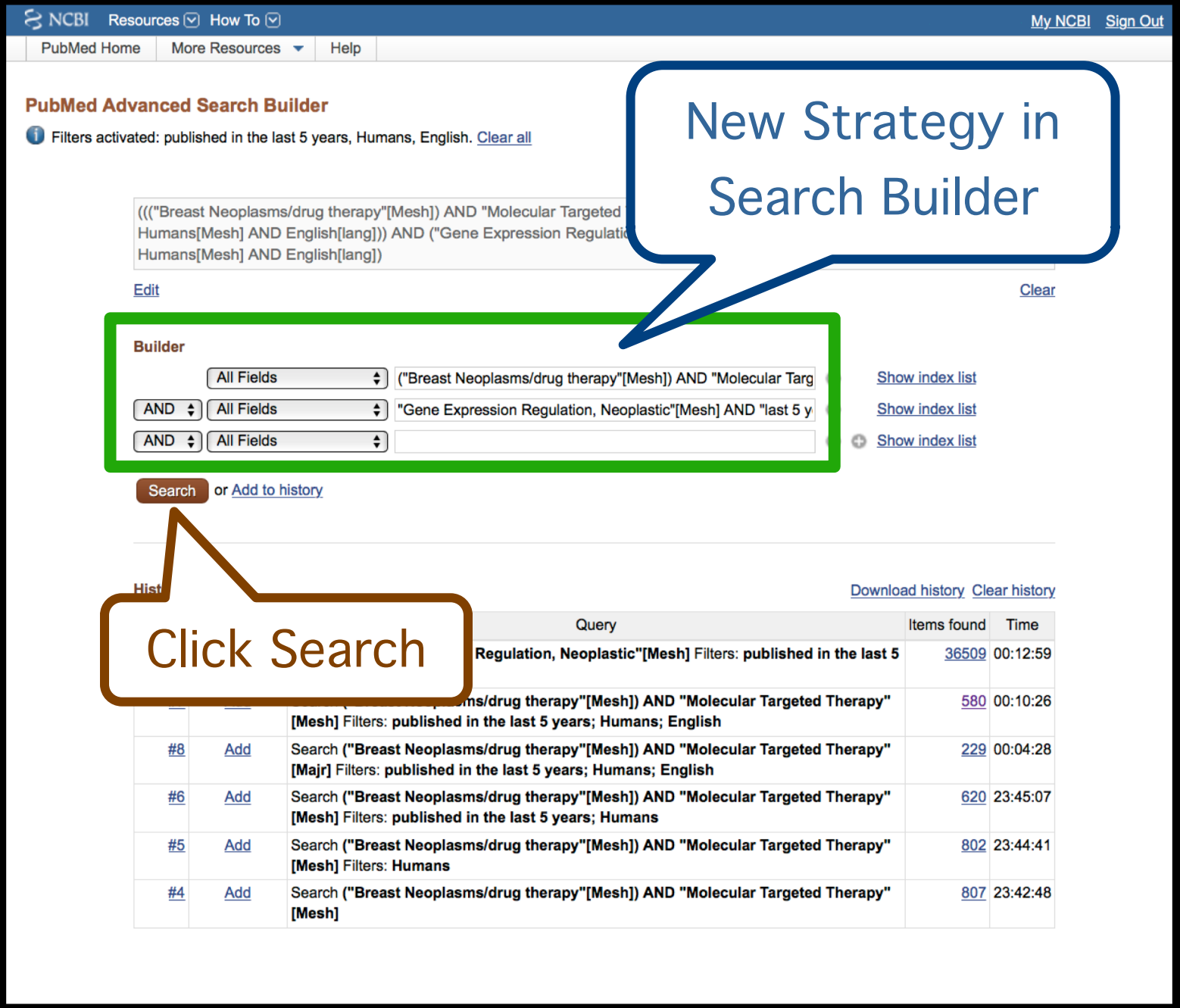
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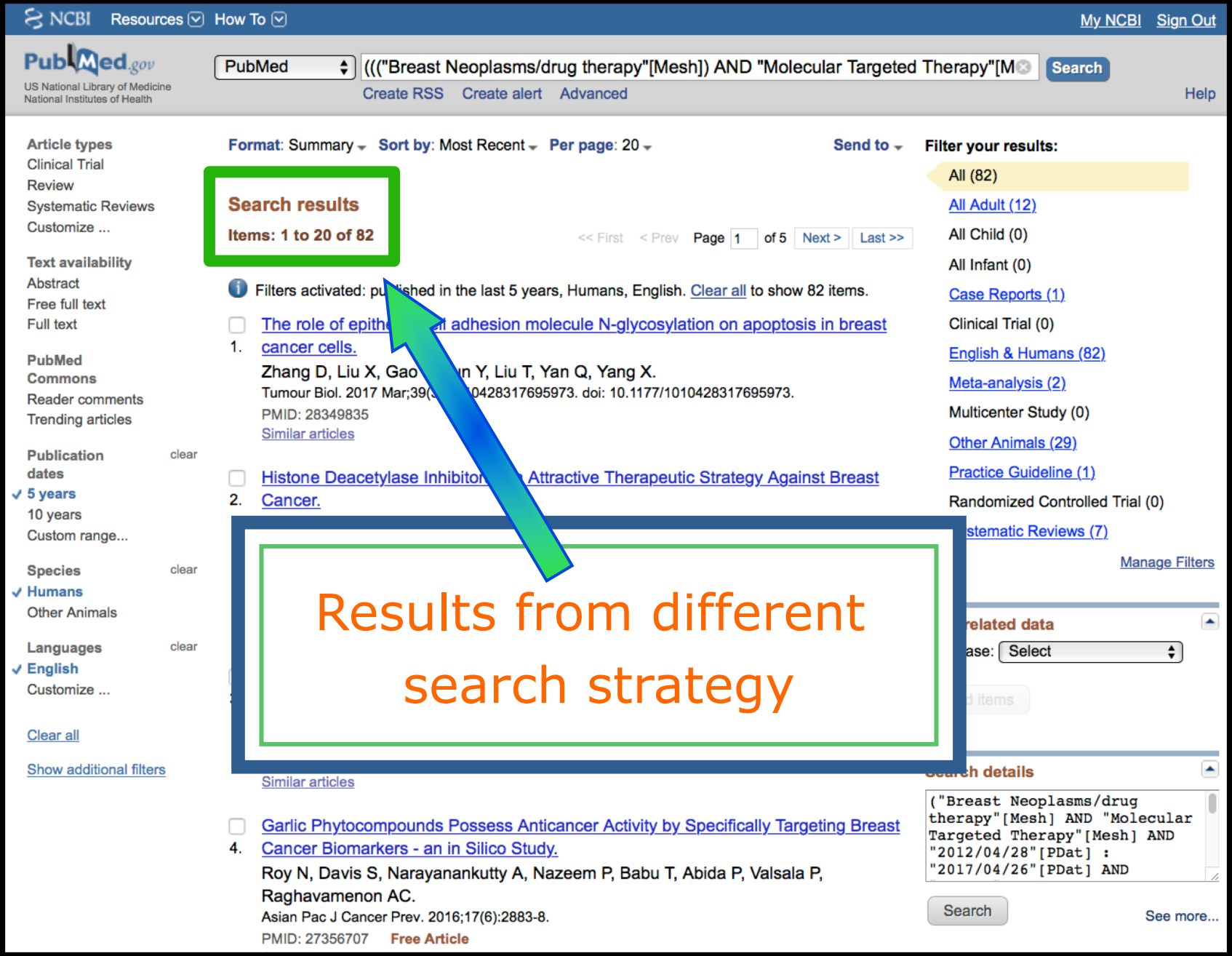
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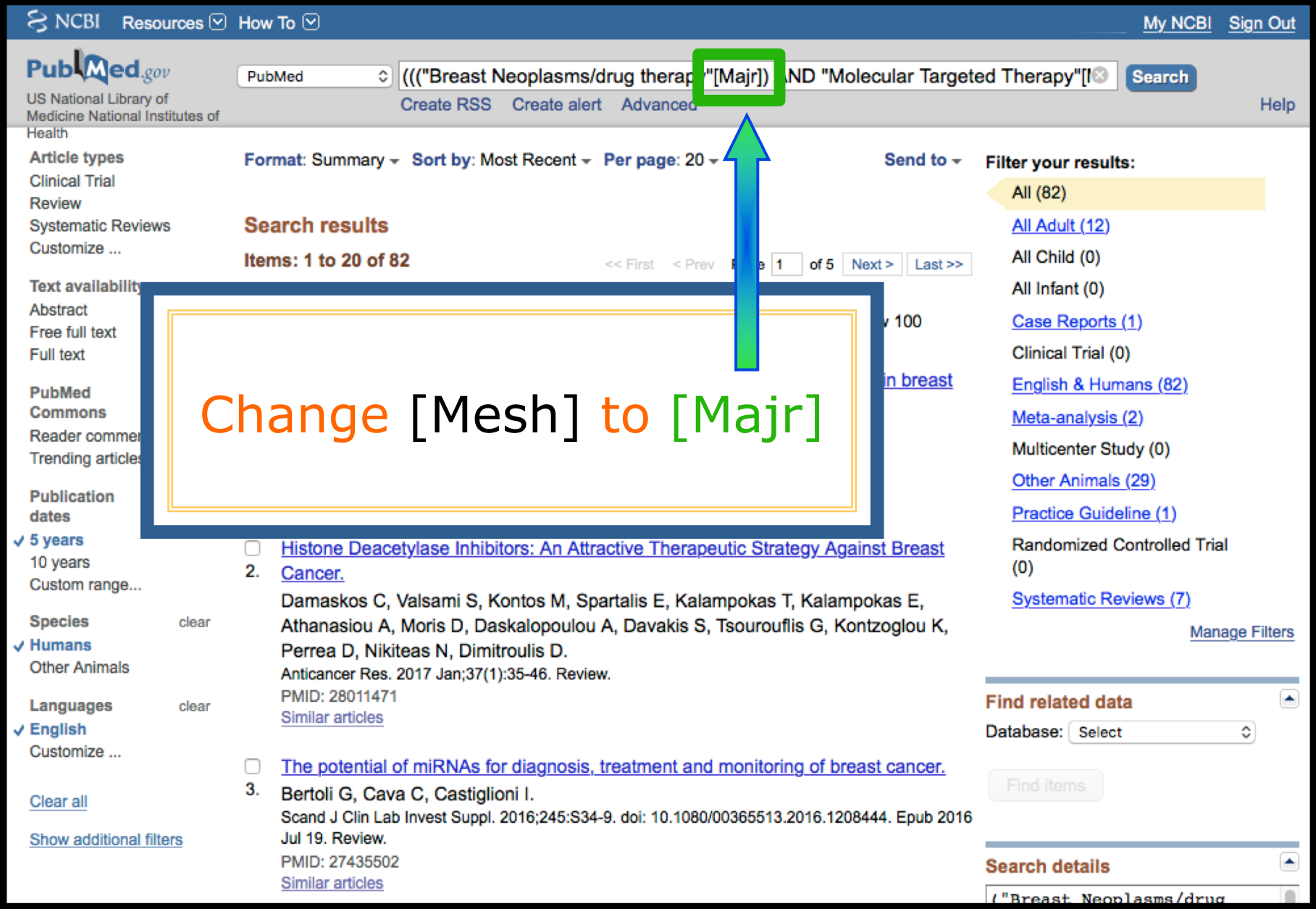
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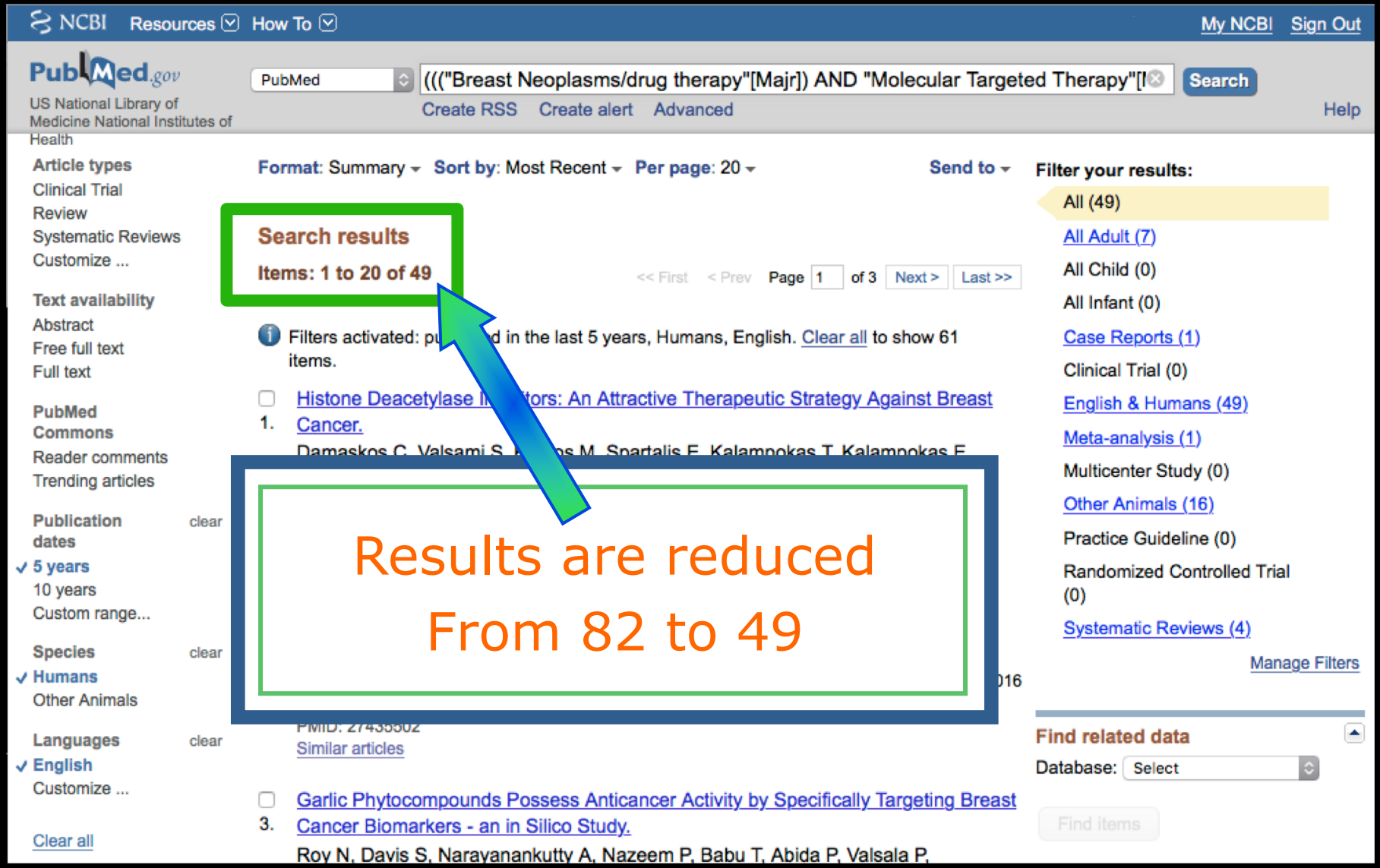
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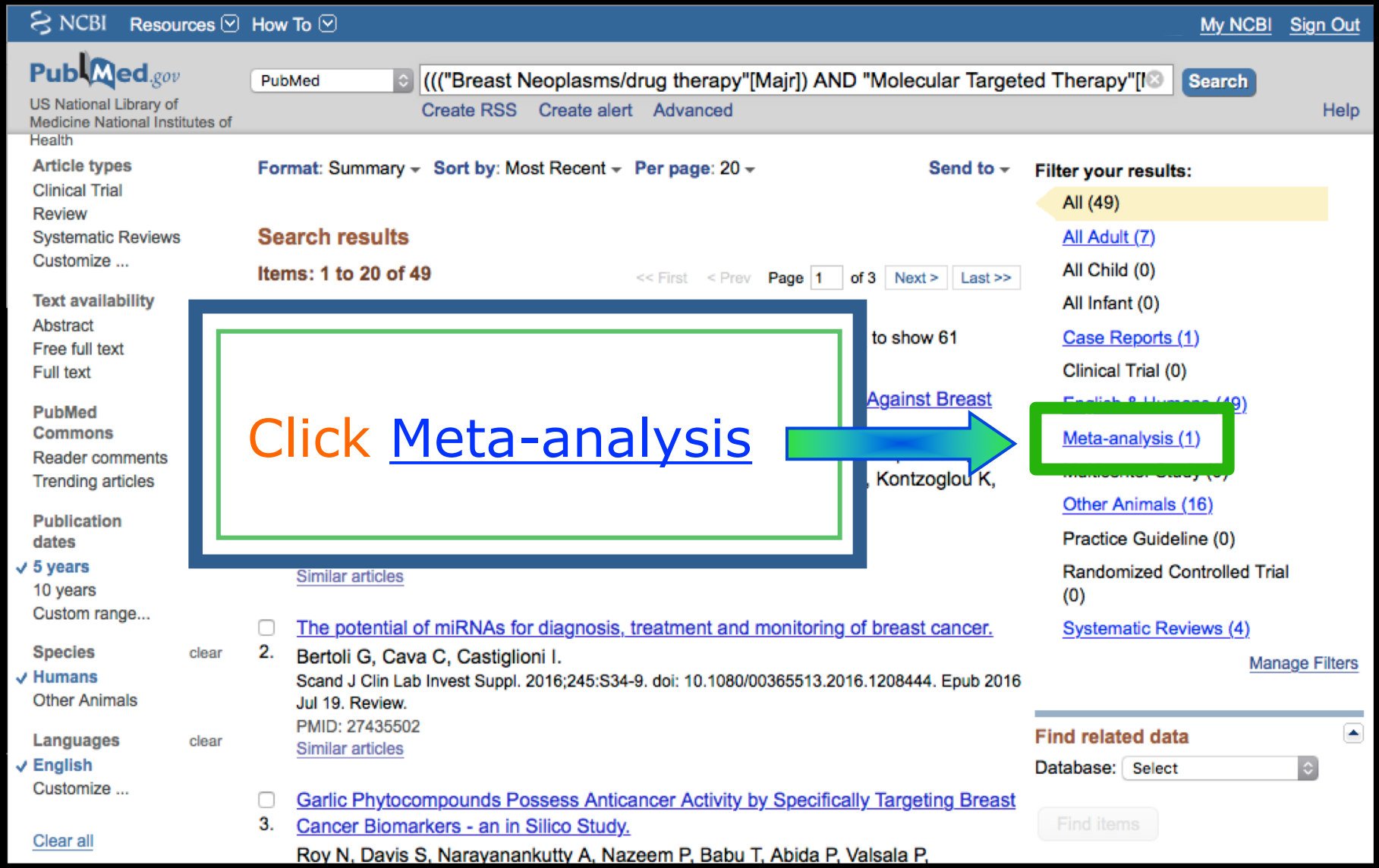
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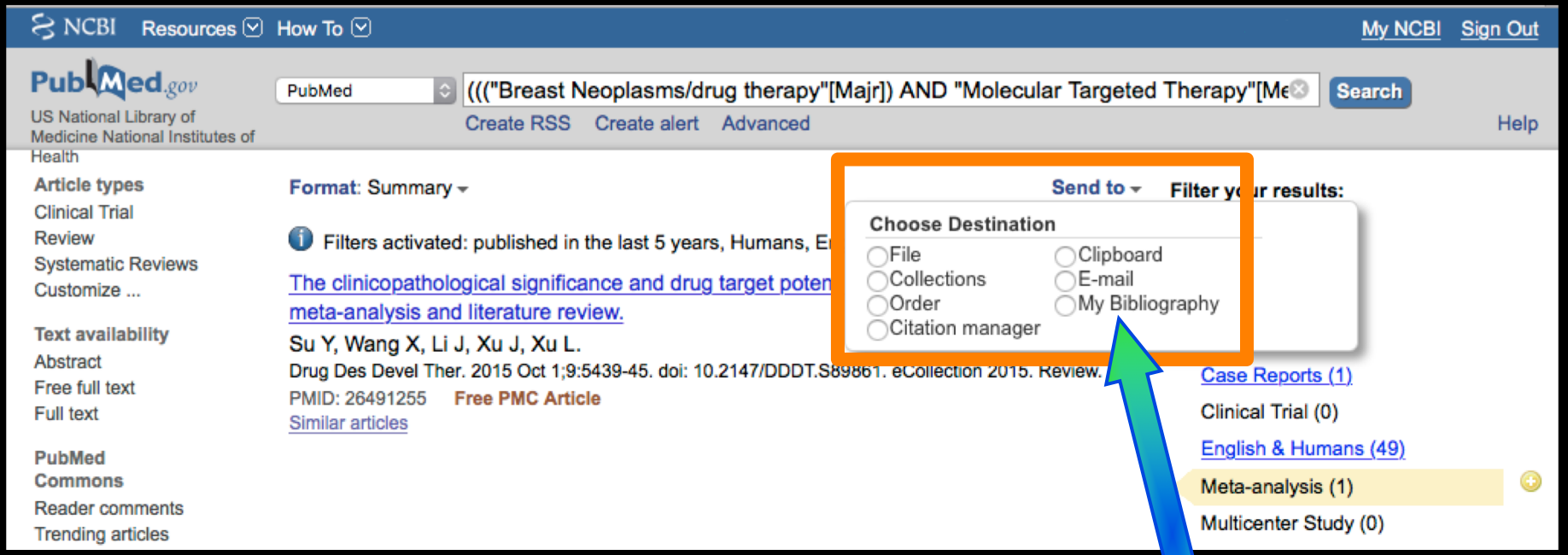

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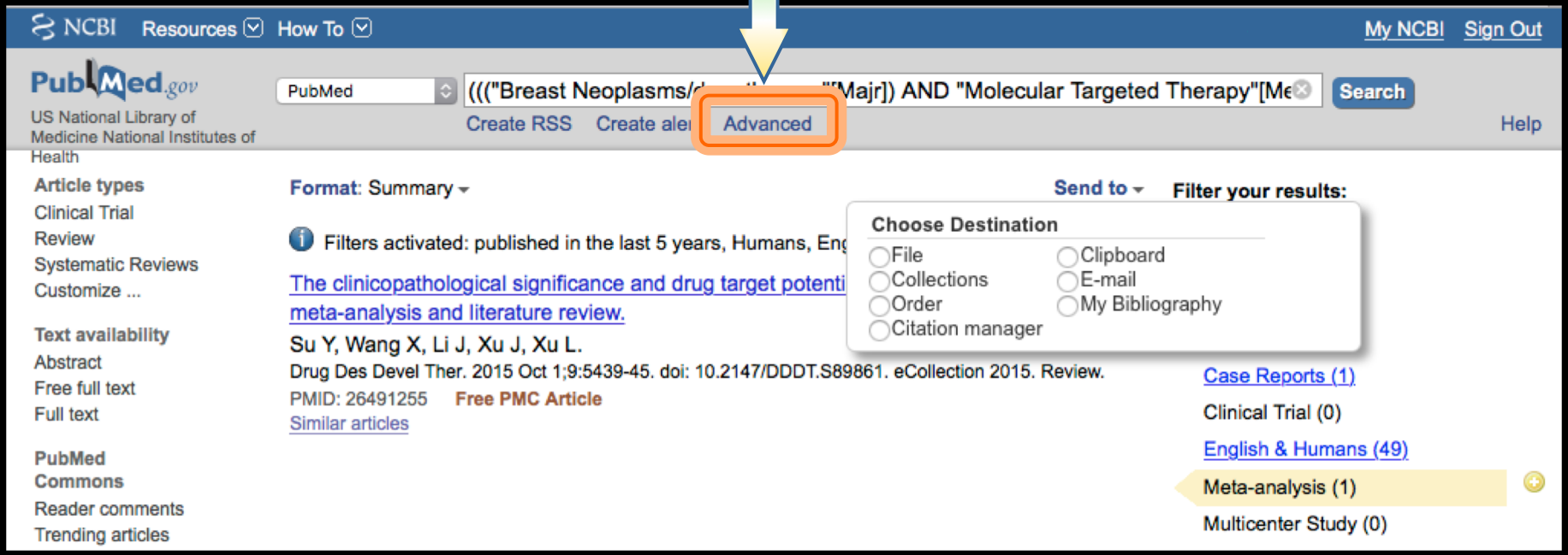

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#16	Add	Search **"Gene Expression Regulation"[Mesh]** Filters: **published in the last 5 years; Humans; English**	[illegible]	0:21:00
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#13	Add	Search **"Gene Expression Regulation, Neoplastic"[Mesh]** Filters: **published in the last 5 years; Humans; English**	36509	00:12:59
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#6	Add	Search **("Breast Neoplasms/drug therapy"[Mesh]) AND "Molecular Targeted Therapy"[Mesh]** Filters: **published in the last 5 years; Humans**	620	23:45:07
#5	Add	Search **("Breast Neoplasms/drug therapy"[Mesh]) AND "Molecular Targeted Therapy"[Mesh]** Filters: **Humans**	802	23:44:41
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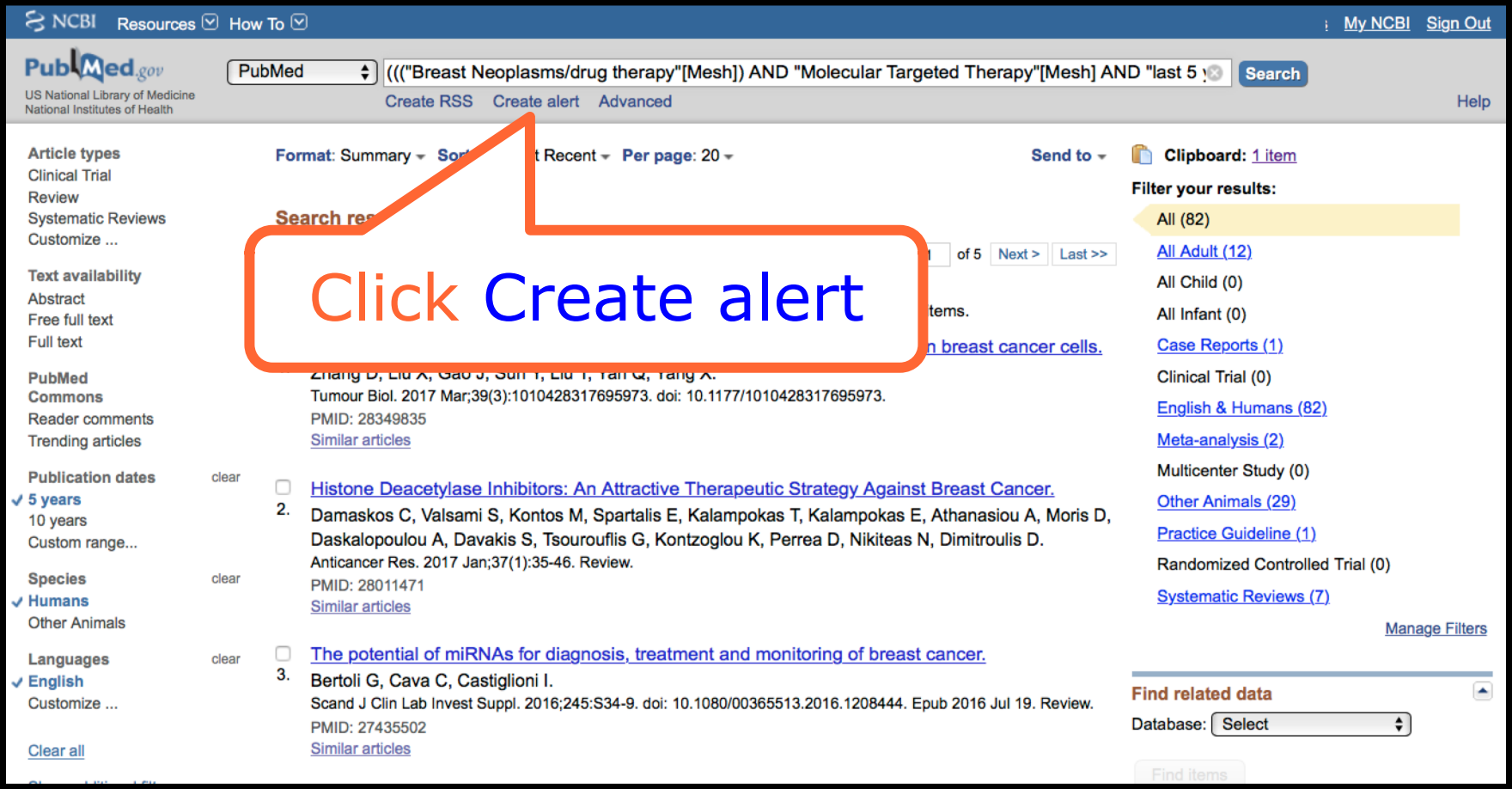
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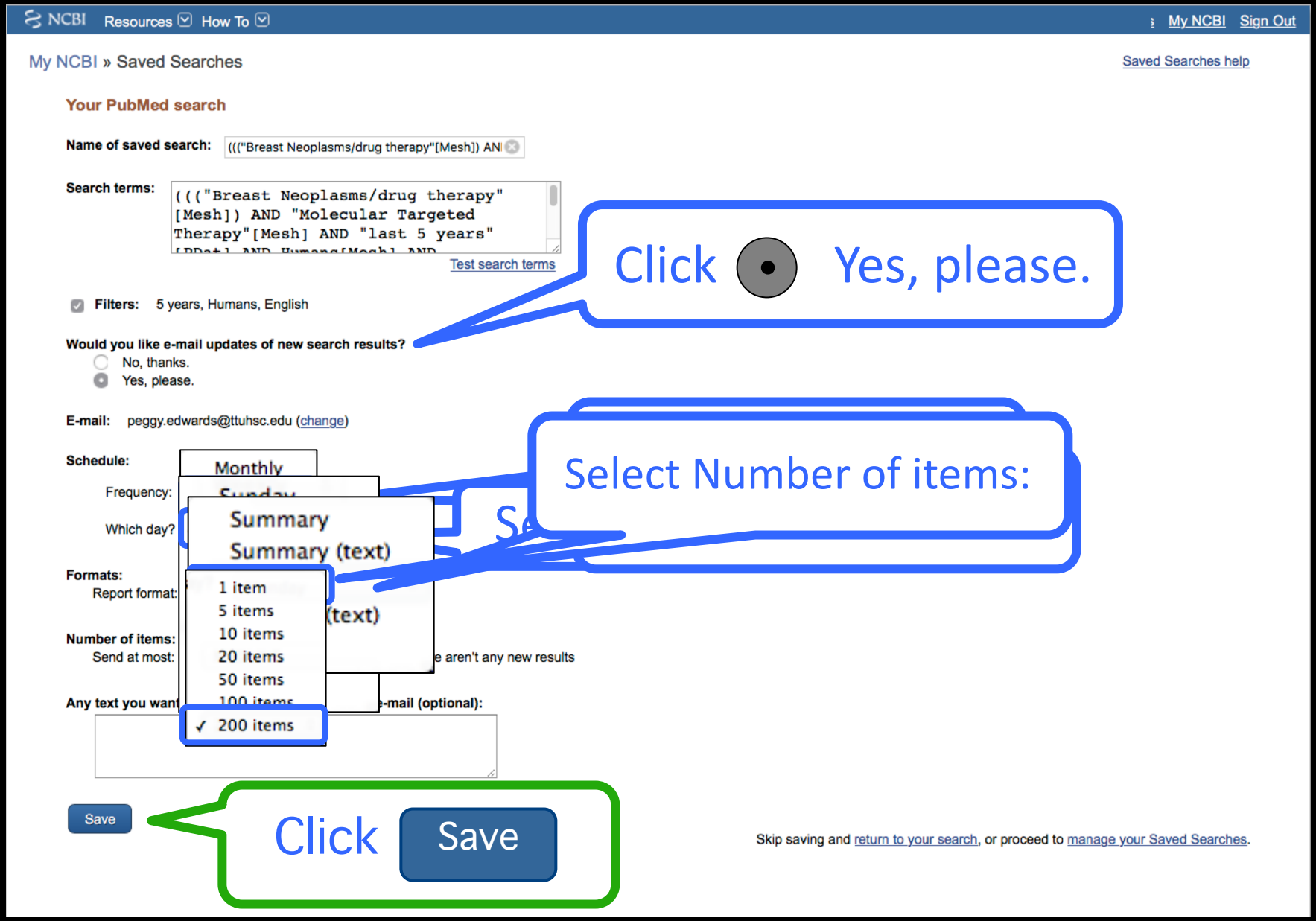
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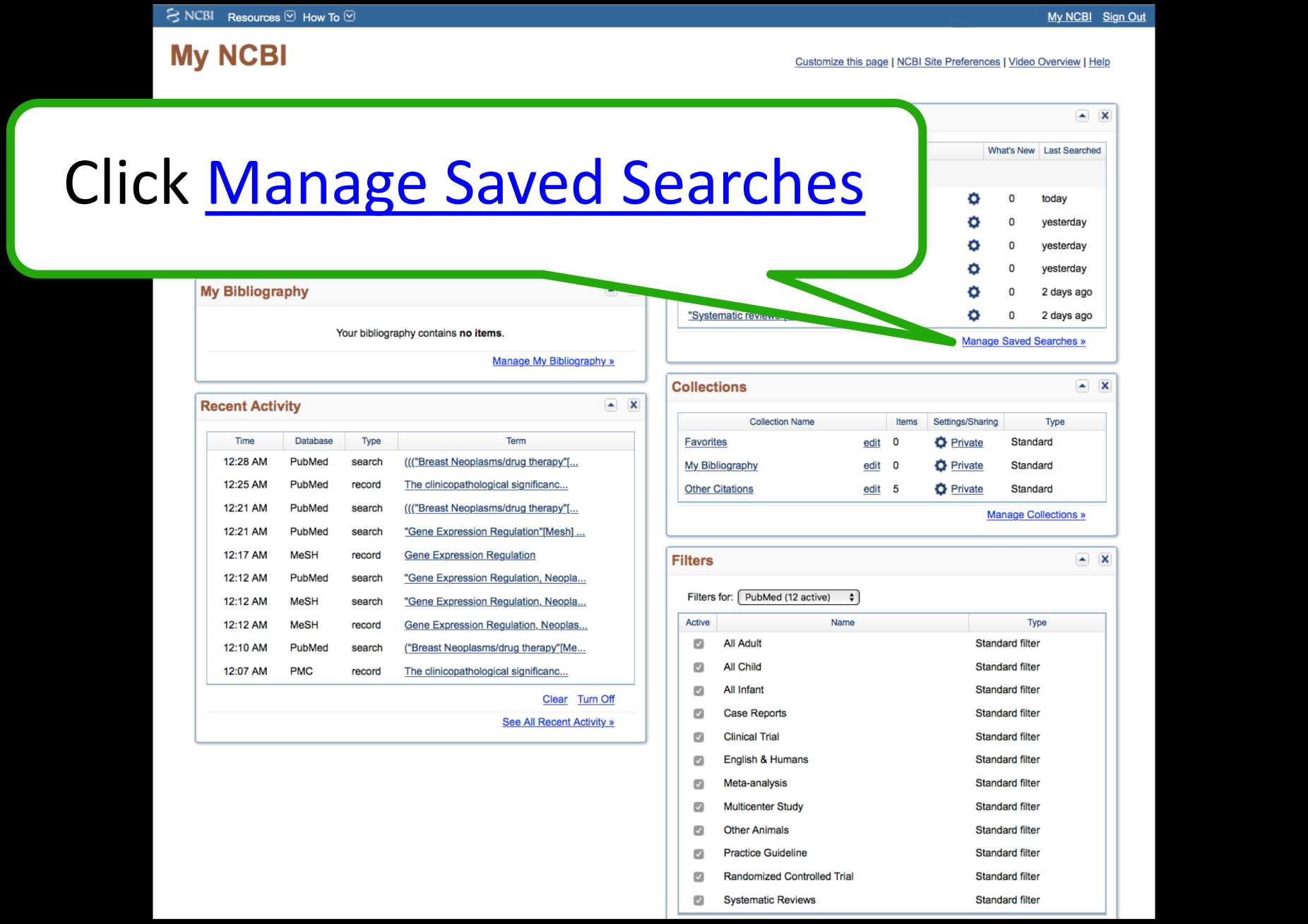
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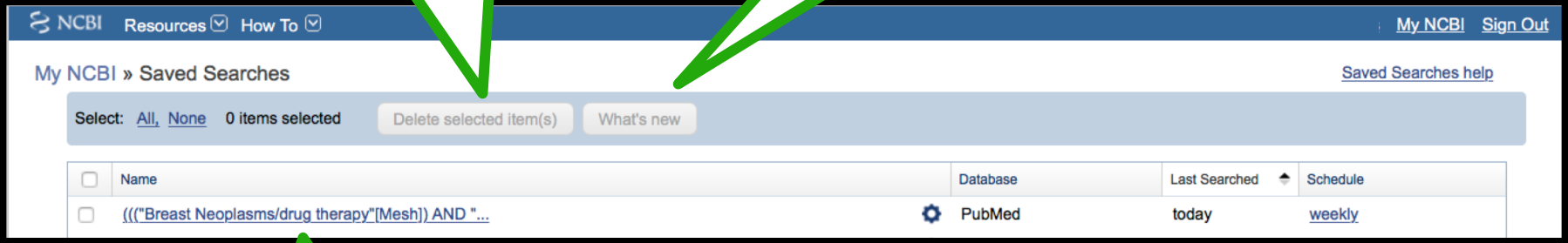

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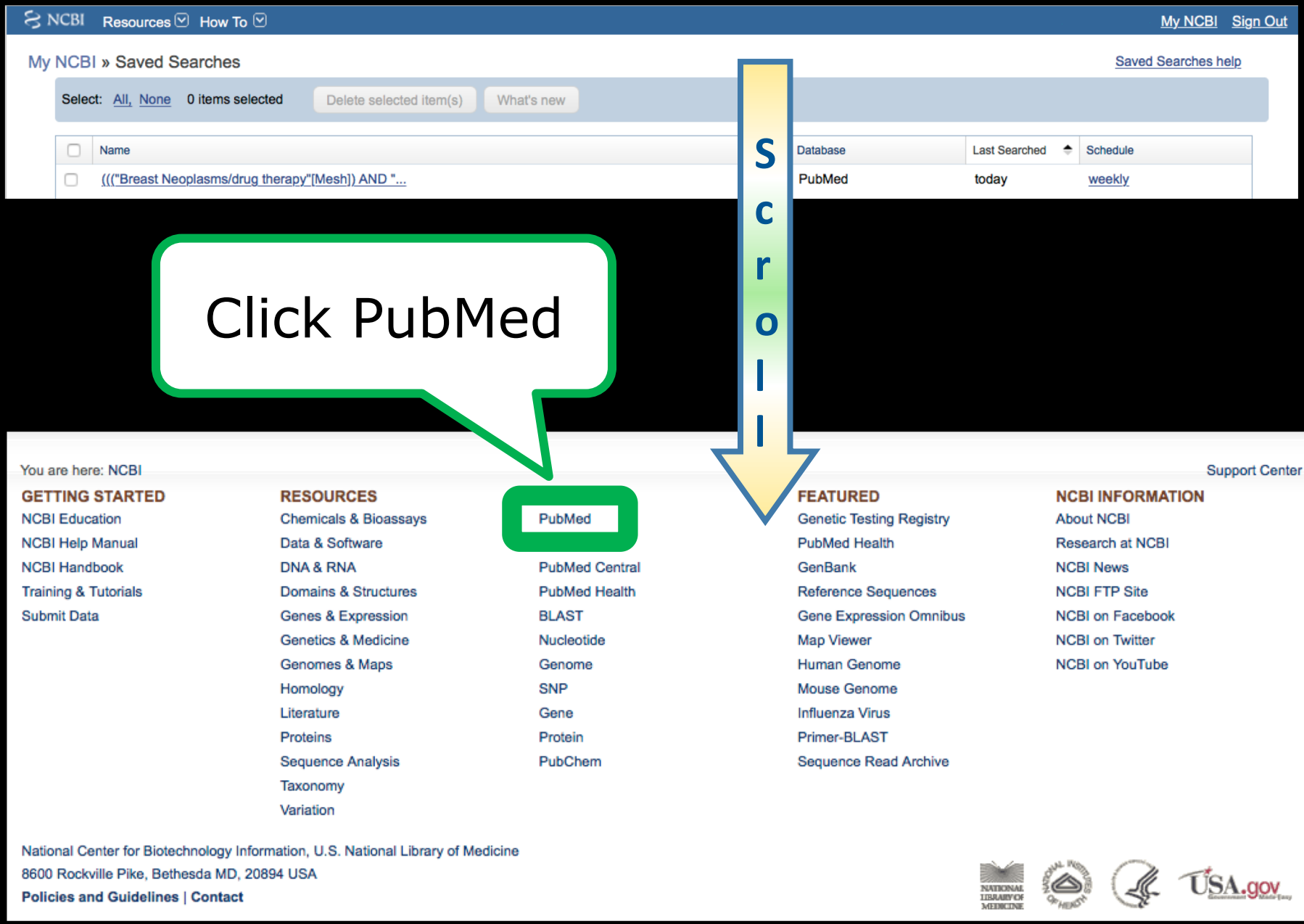
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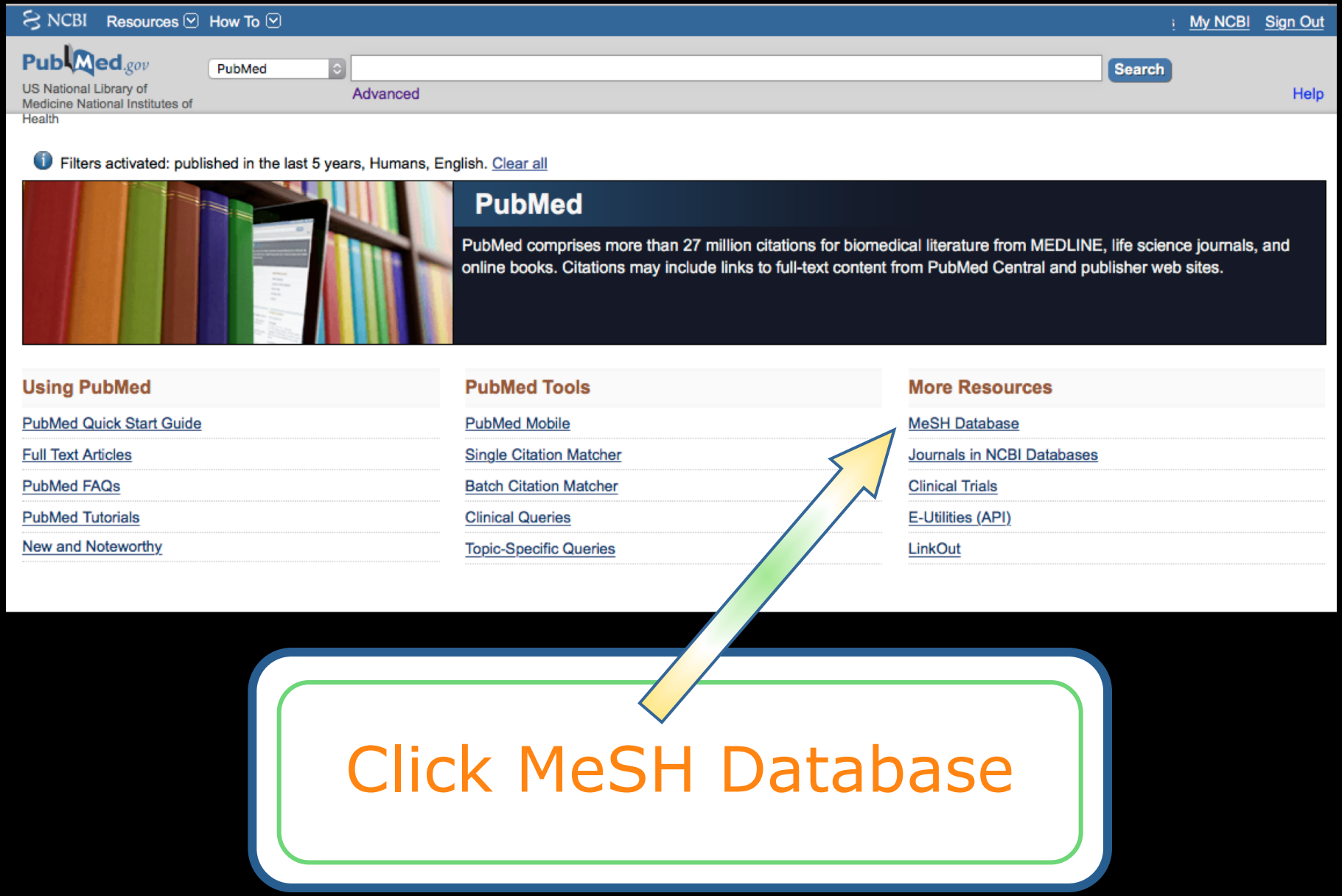
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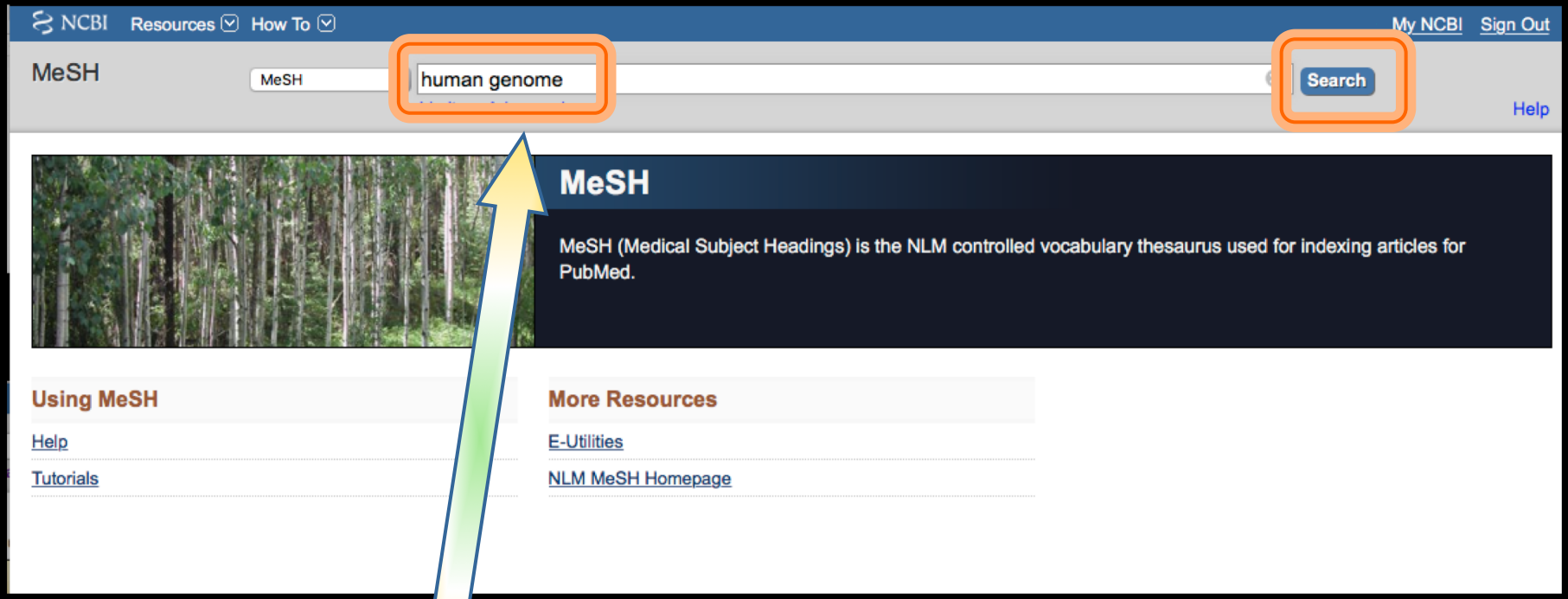

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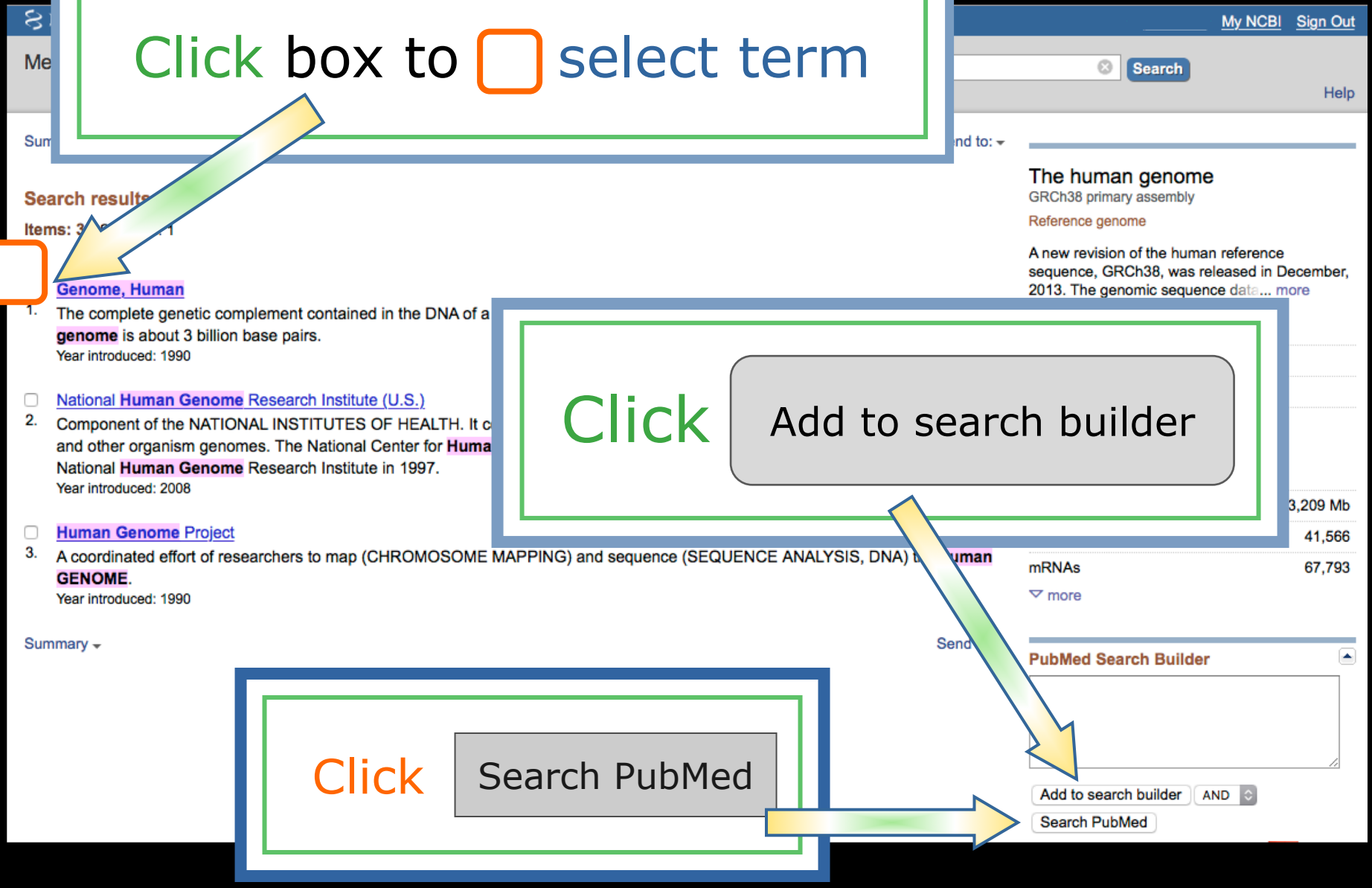
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Year introduced: 1990
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2. Component of the NATIONAL INSTITUTES OF HEALTH. It c and other organism genomes. The National Center for Huma National Human Genome Research Institute in 1997.
Year introduced: 2008
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3. A coordinated effort of researchers to map (CHROMOSOME MAPPING) and sequence (SEQUENCE ANALYSIS, DNA) t uman GENOME.
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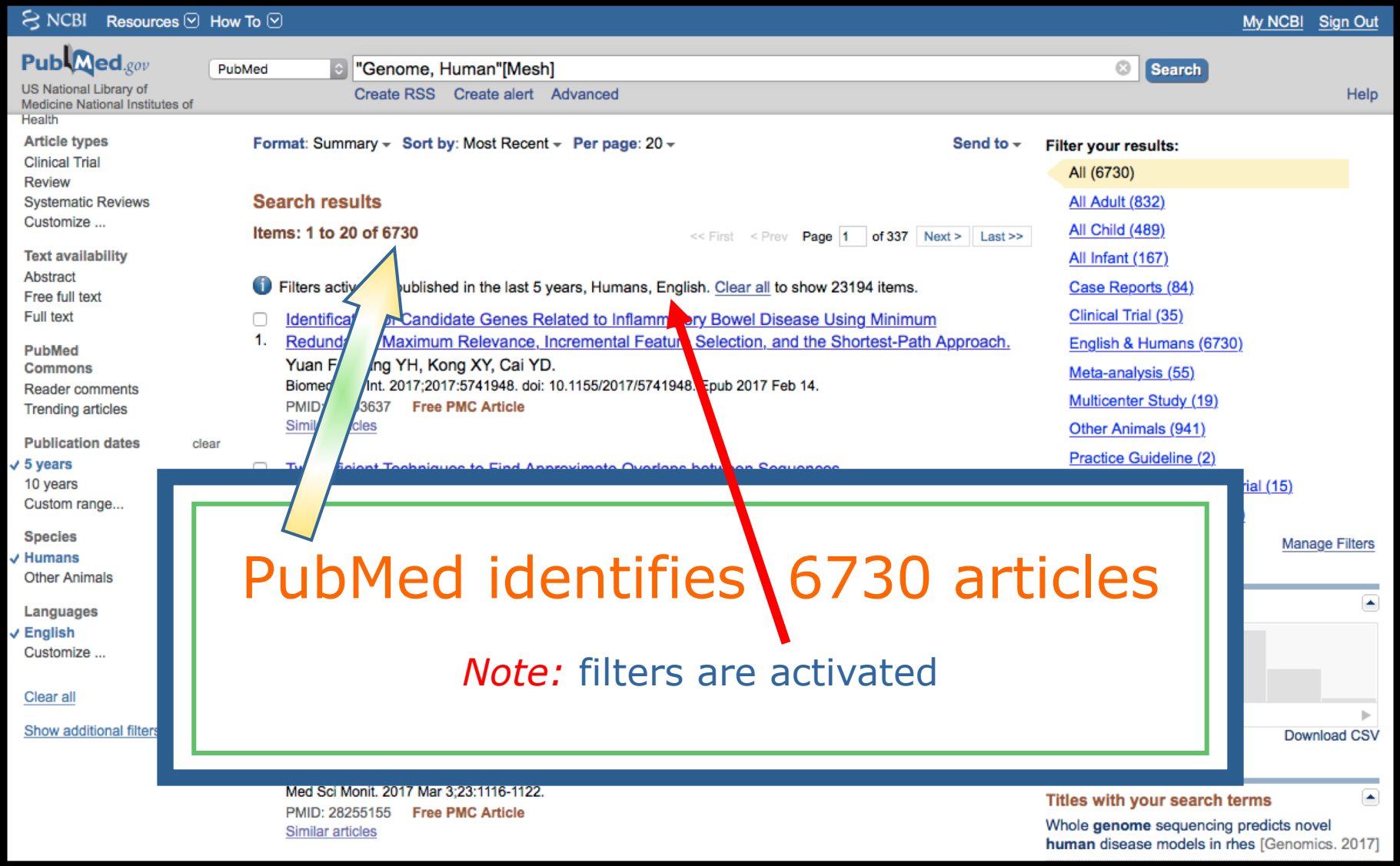
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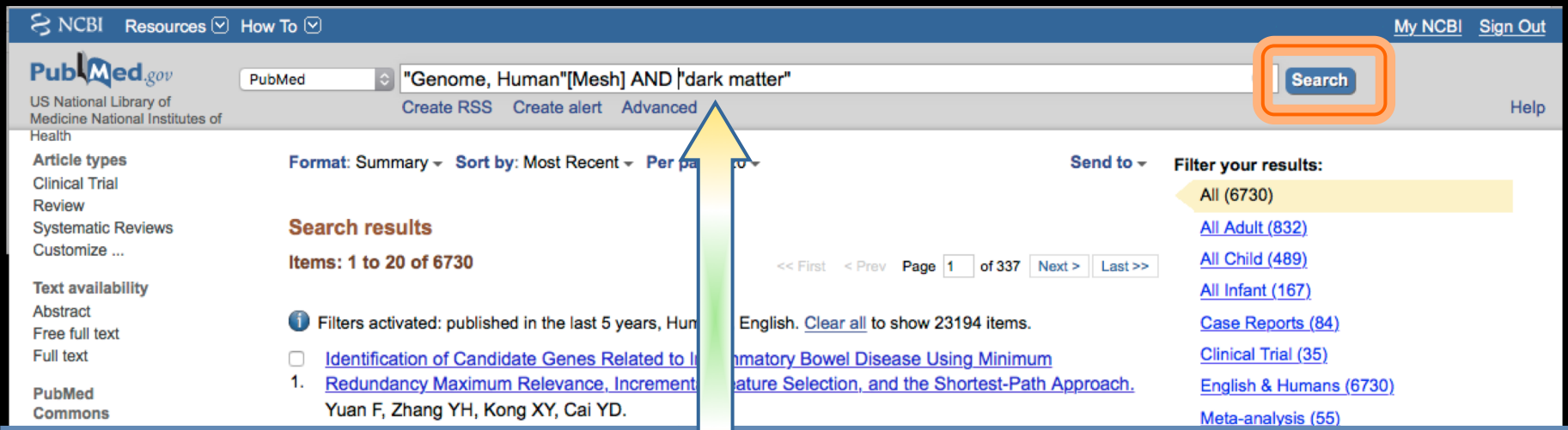

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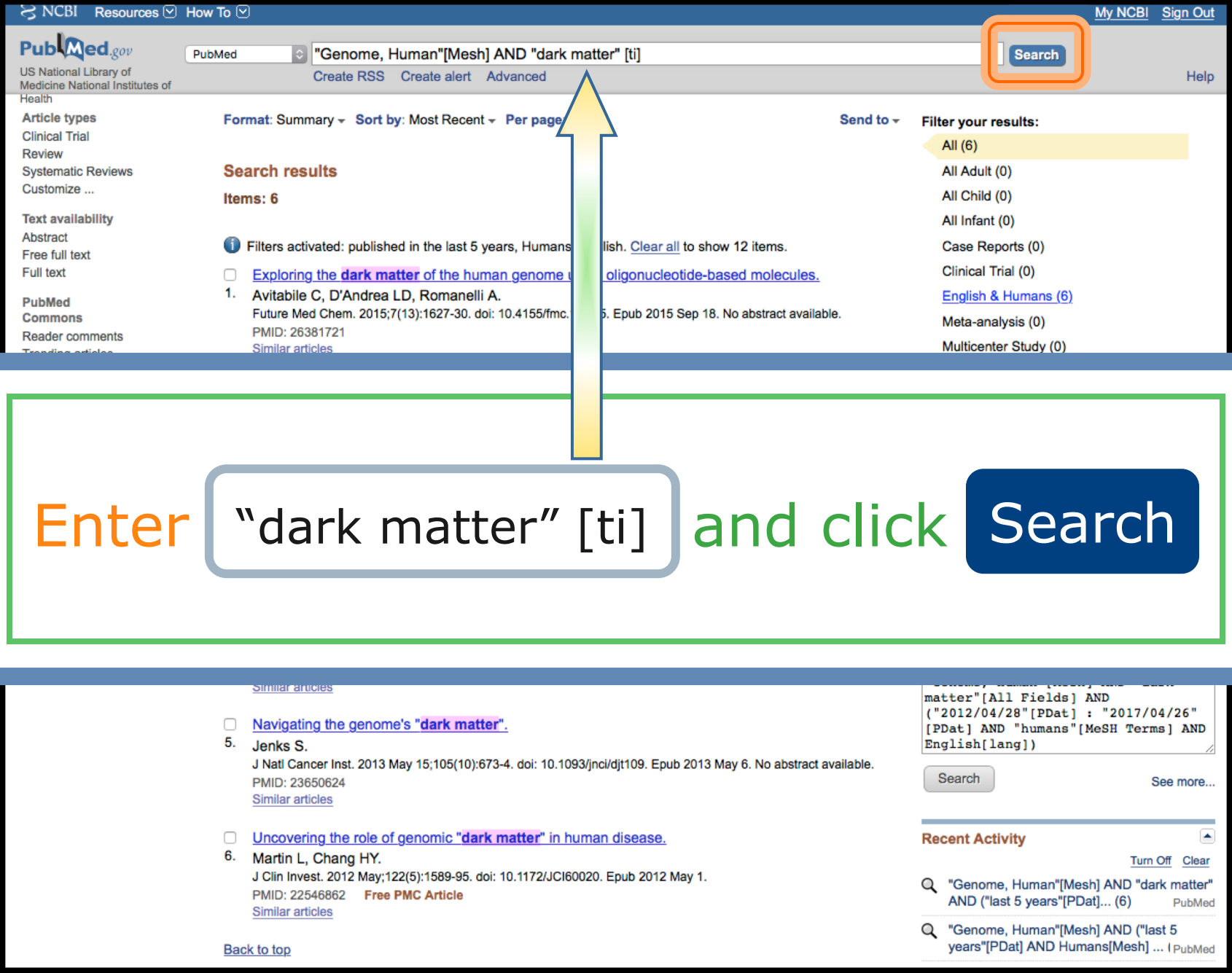
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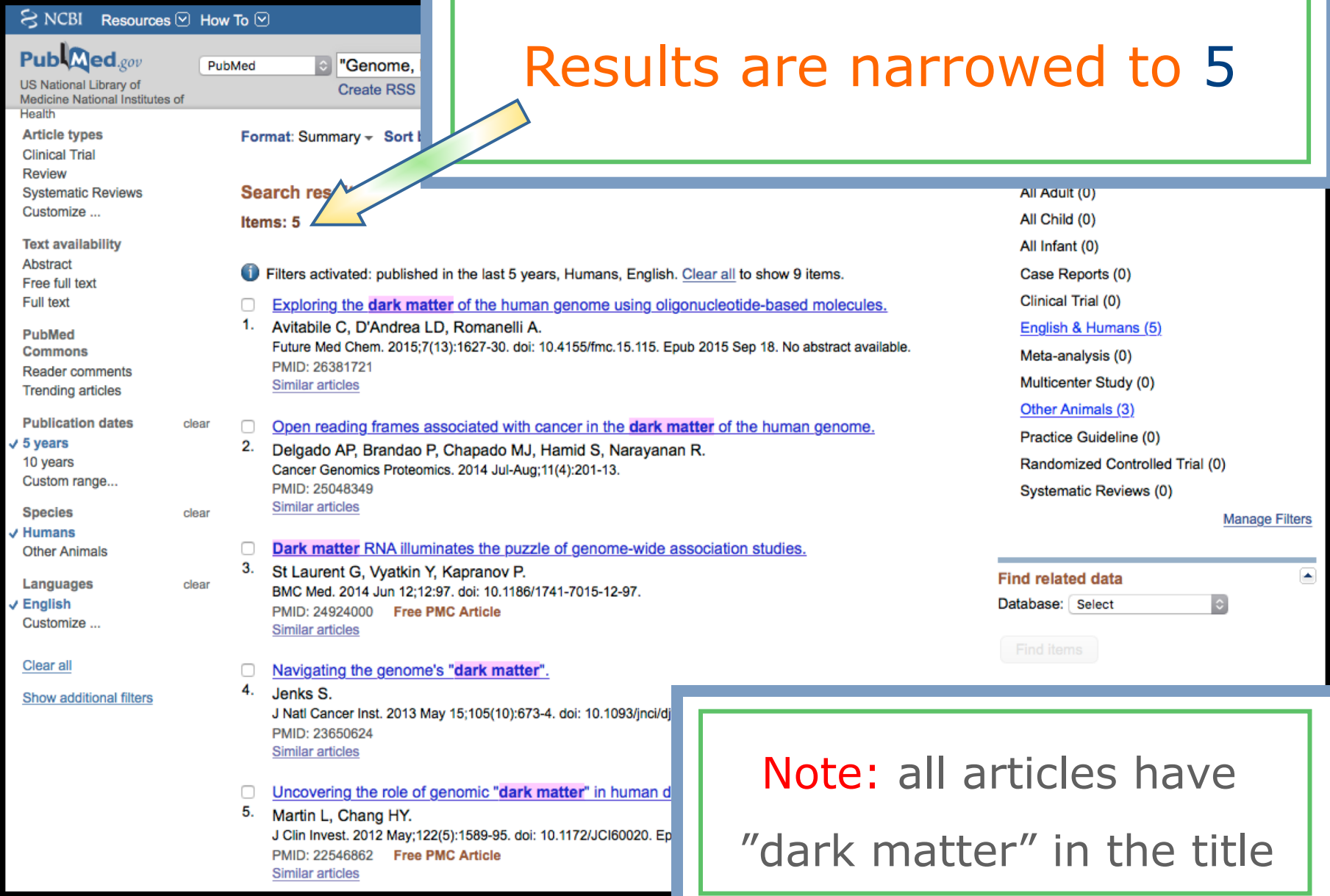

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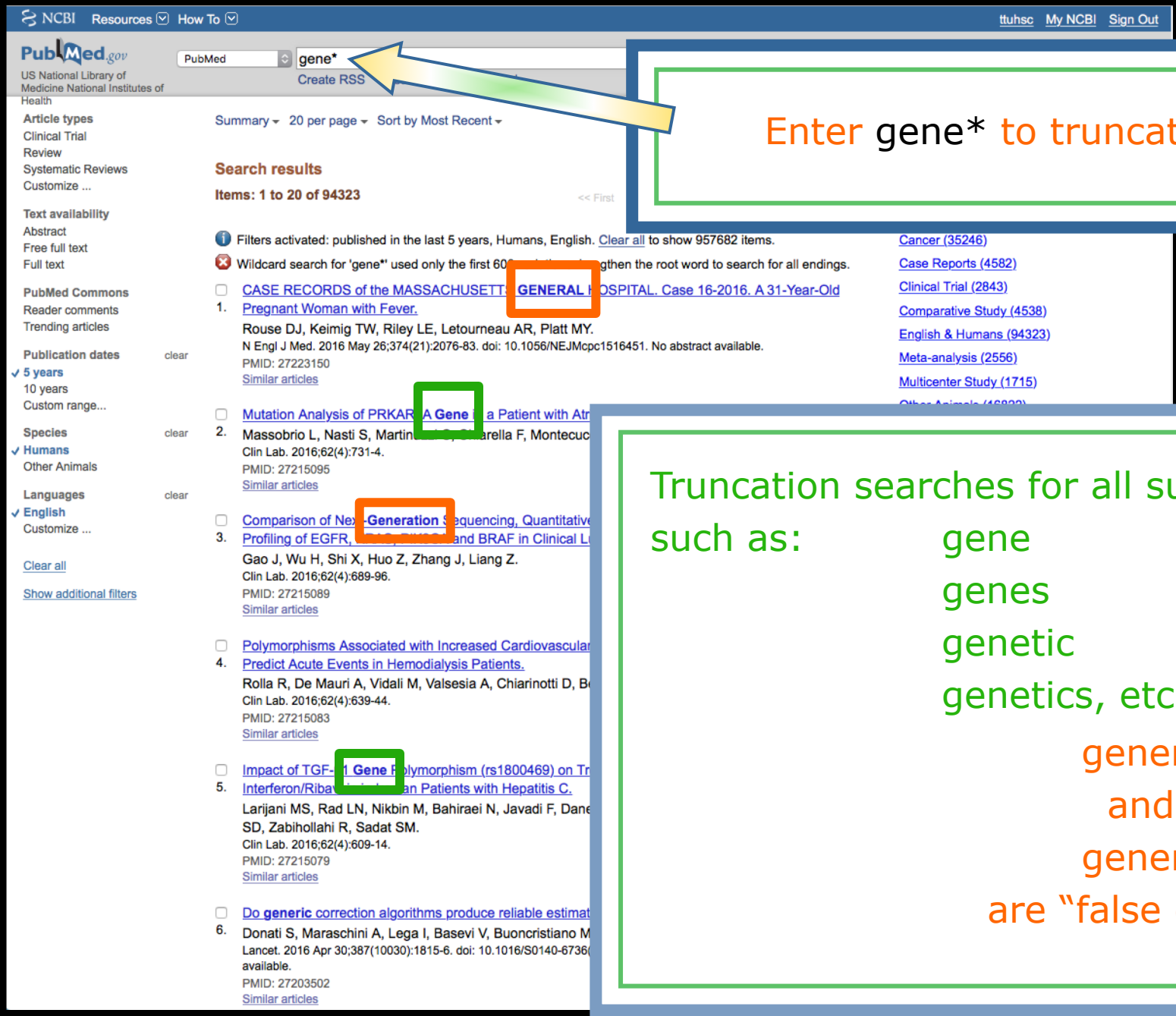
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gthen the root word to search for all endings.
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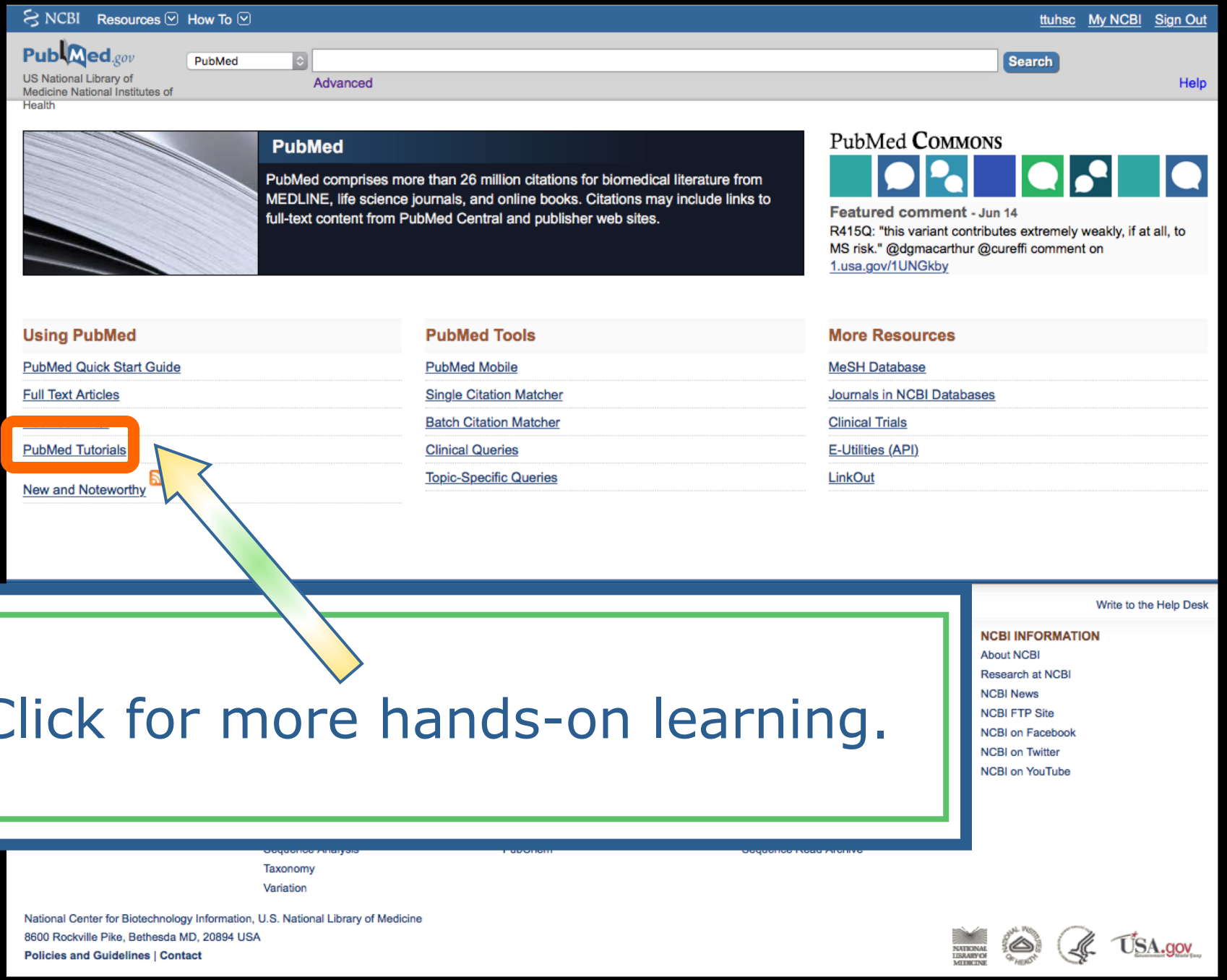
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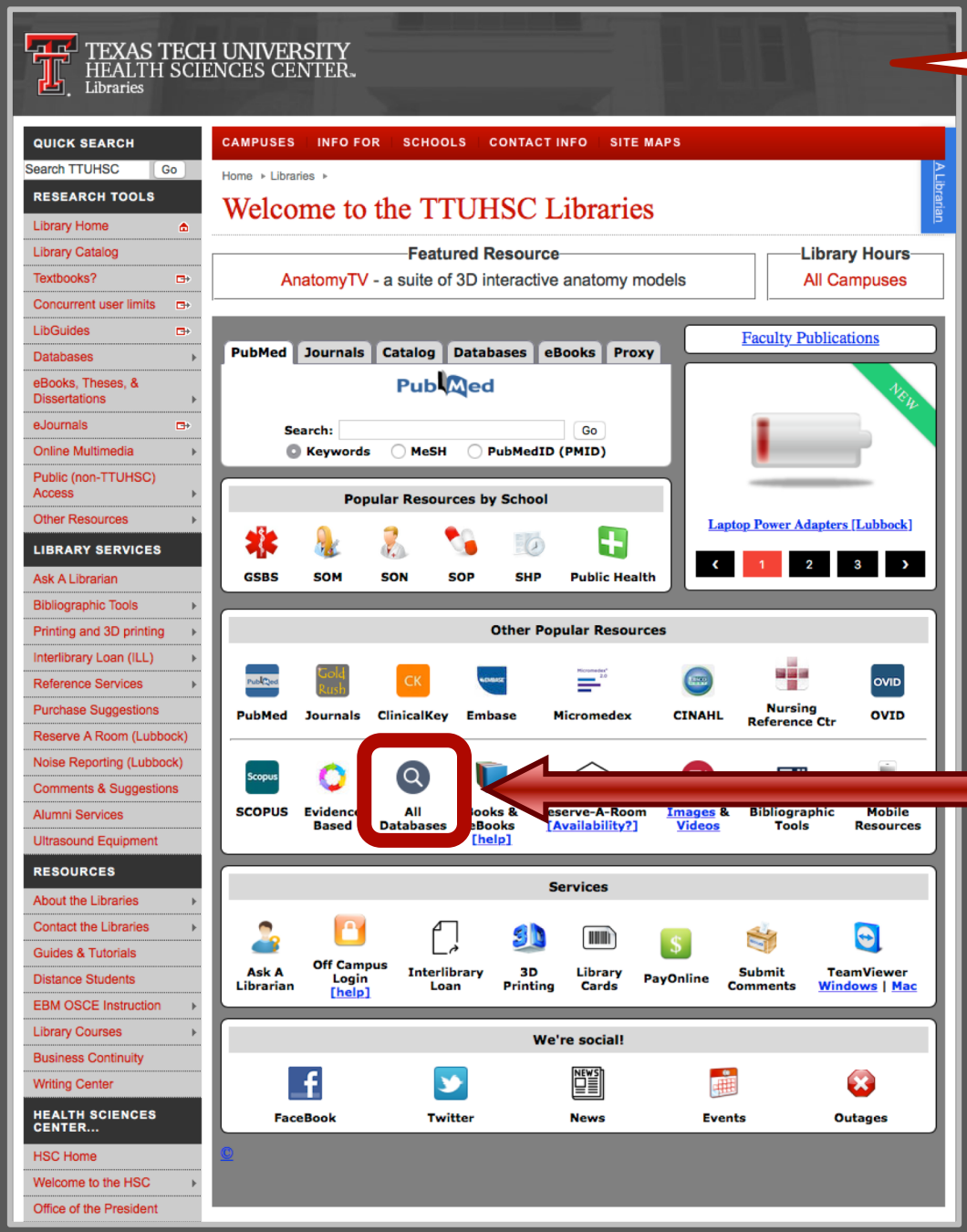

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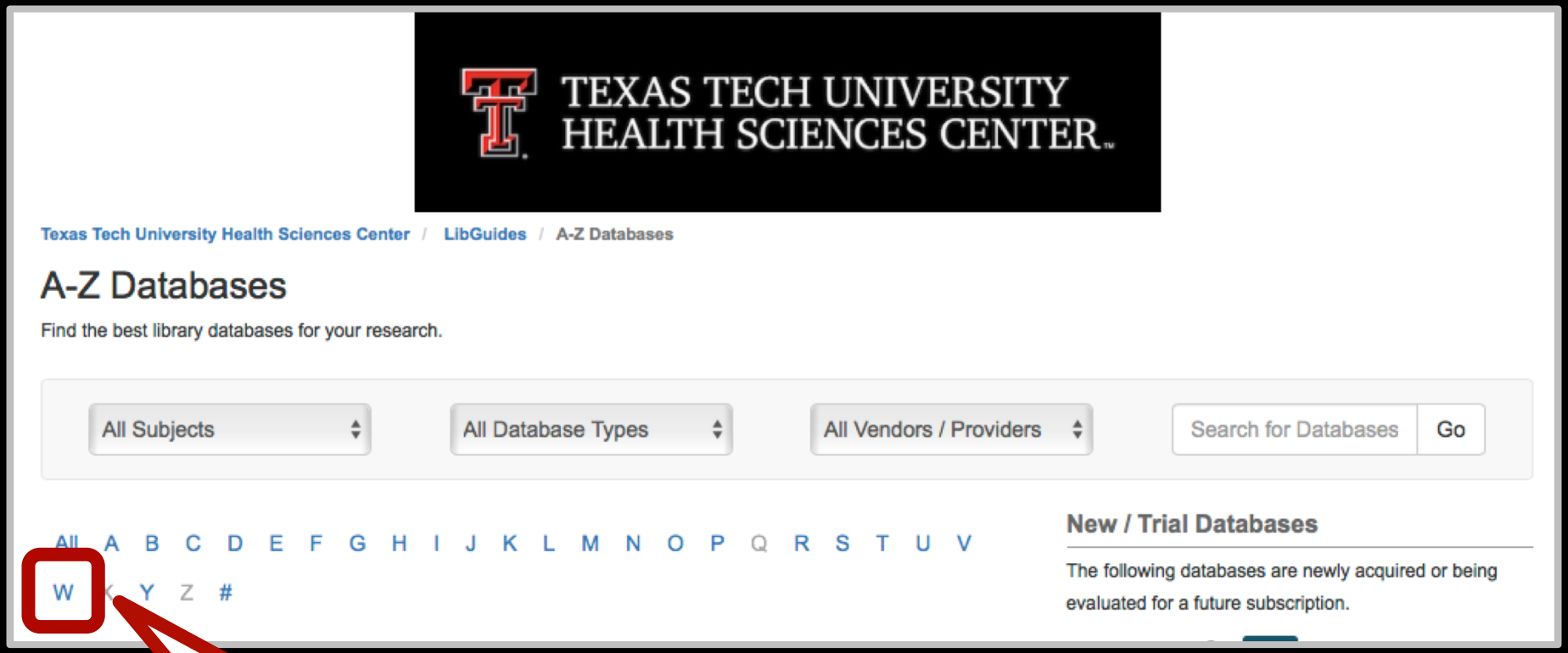
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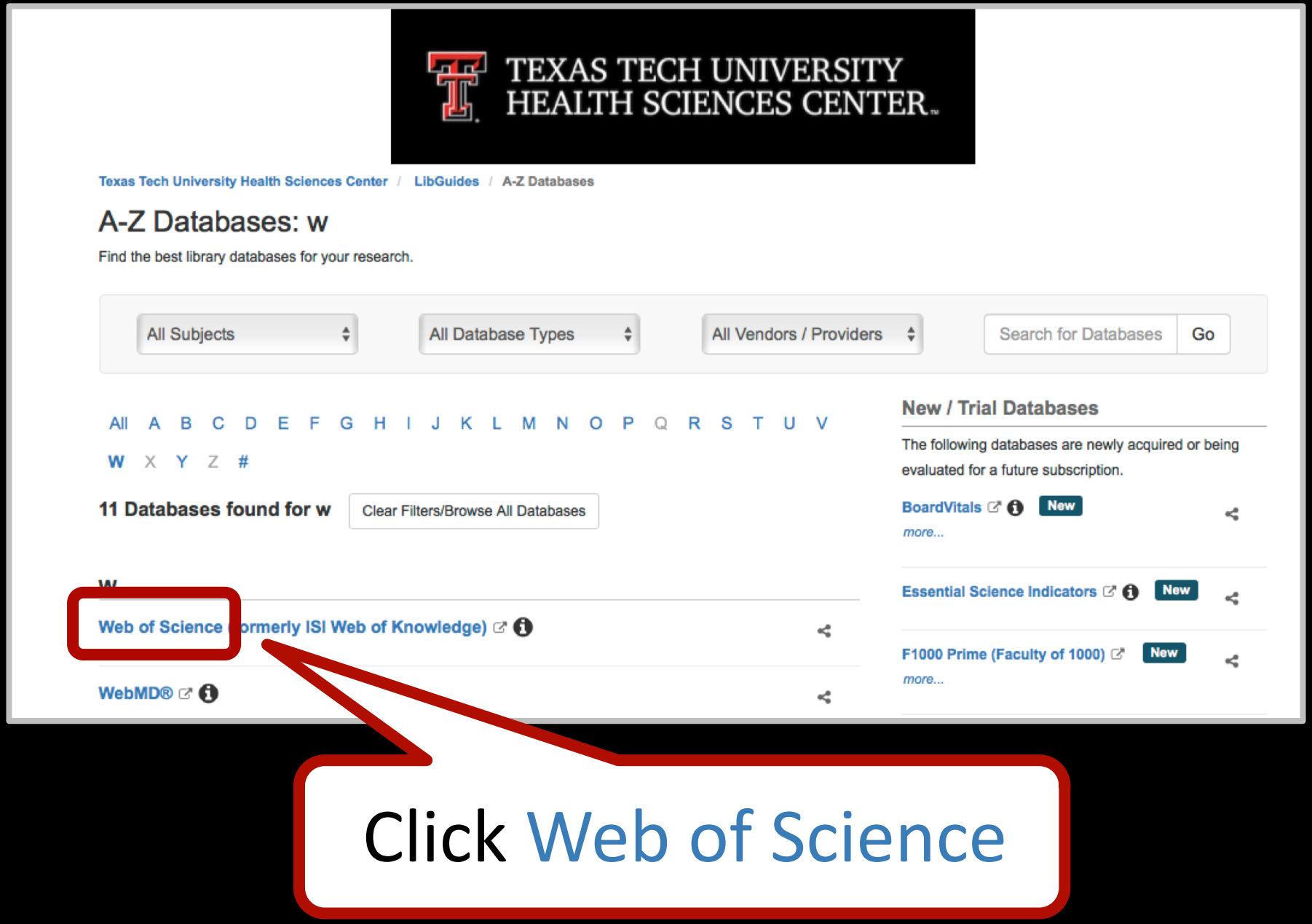
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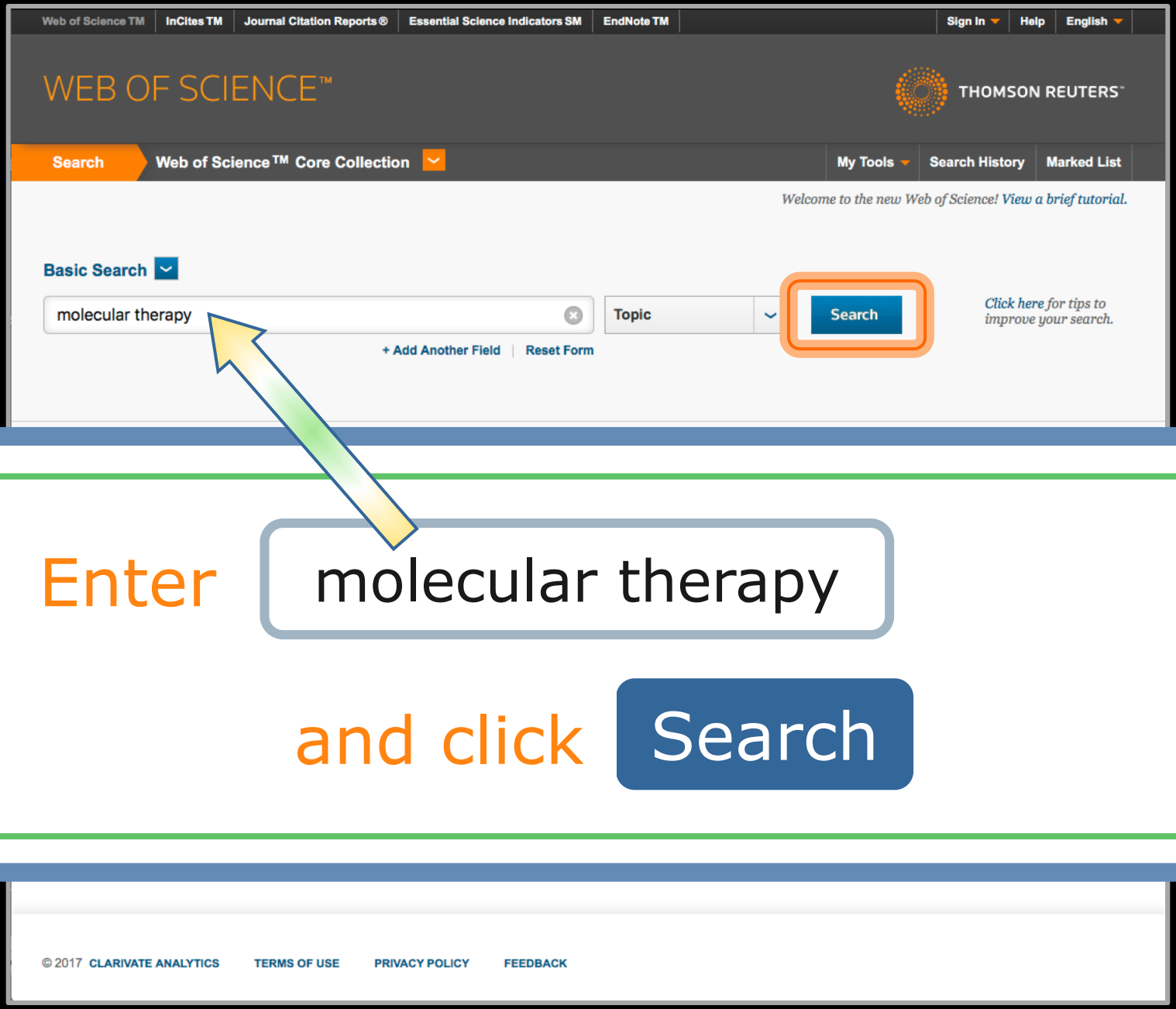
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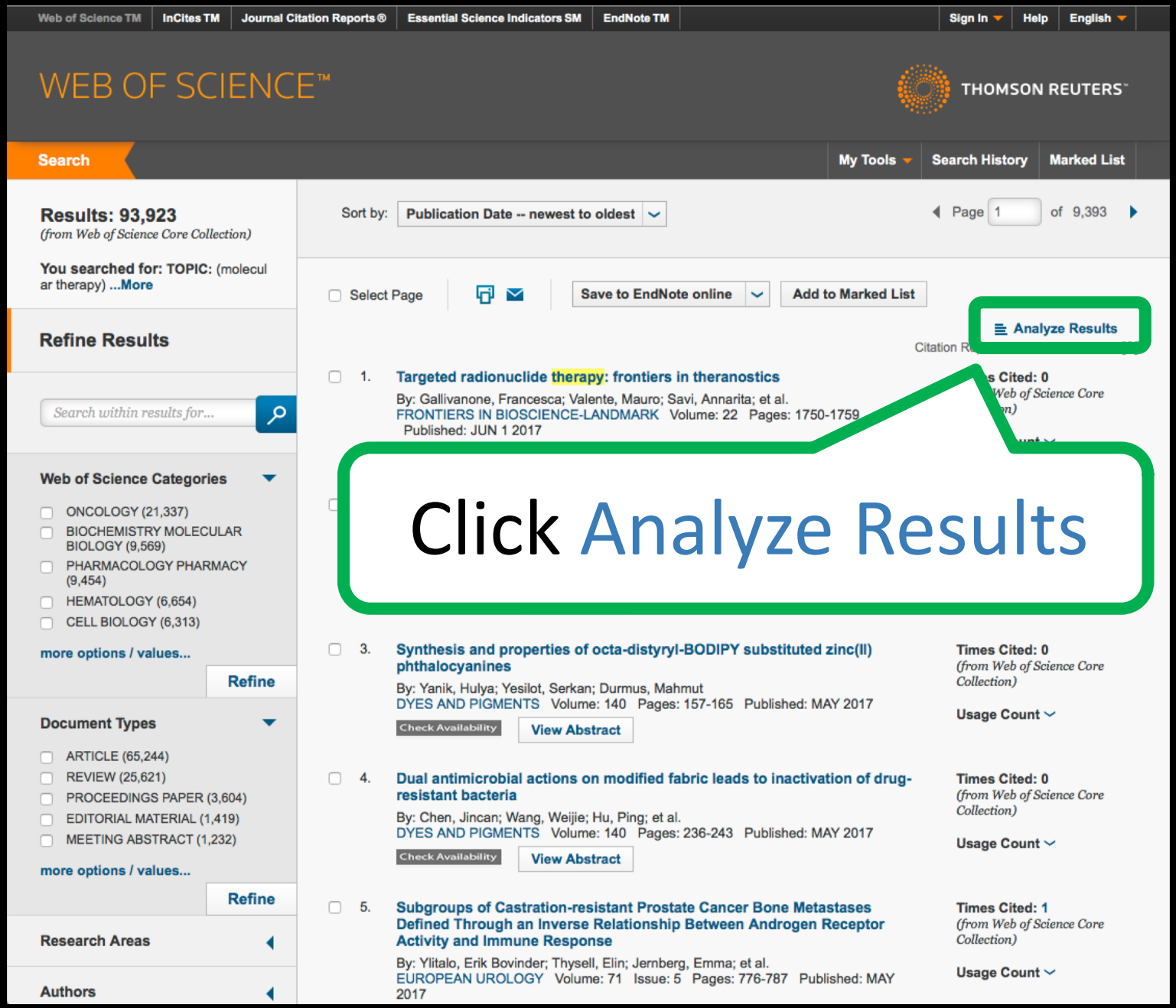
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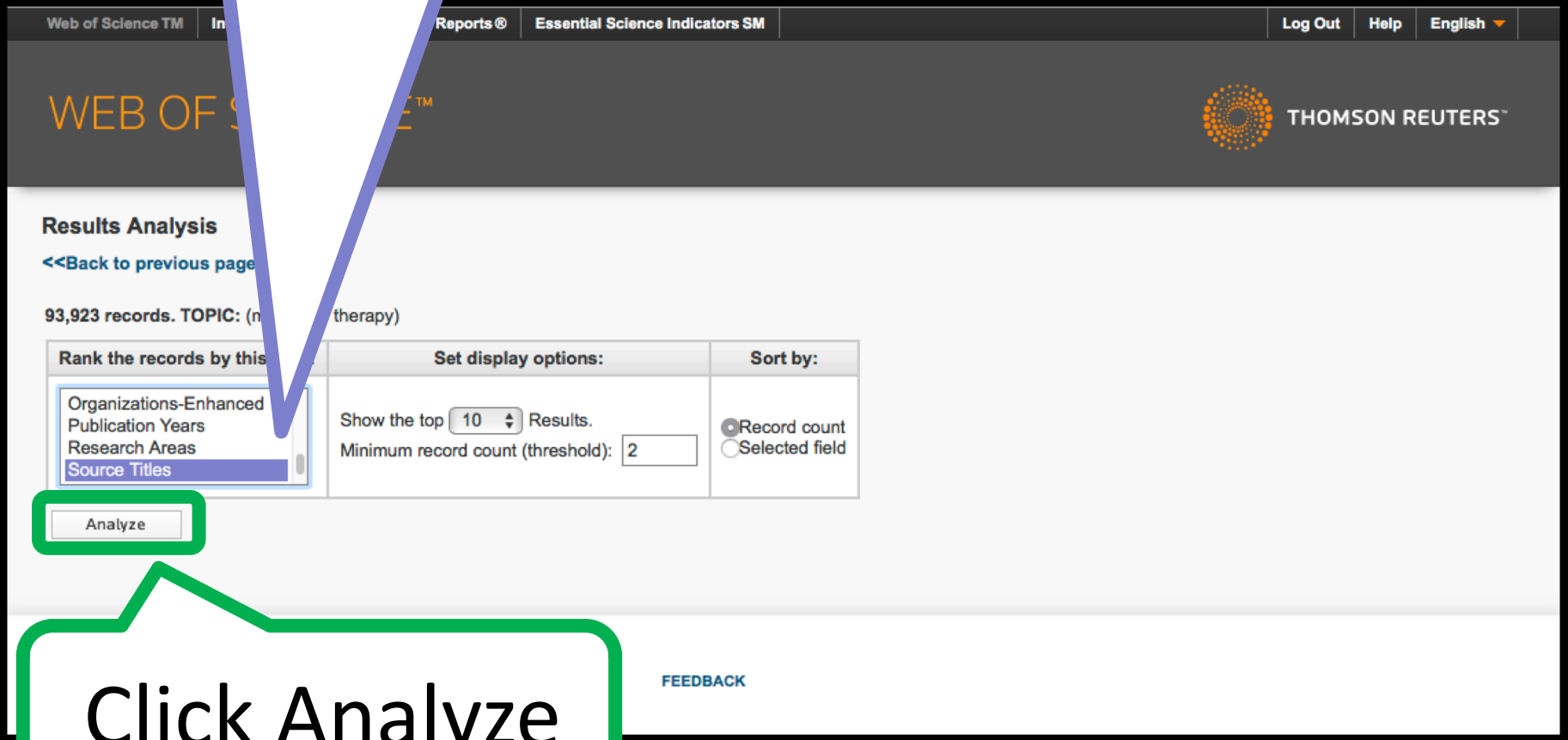

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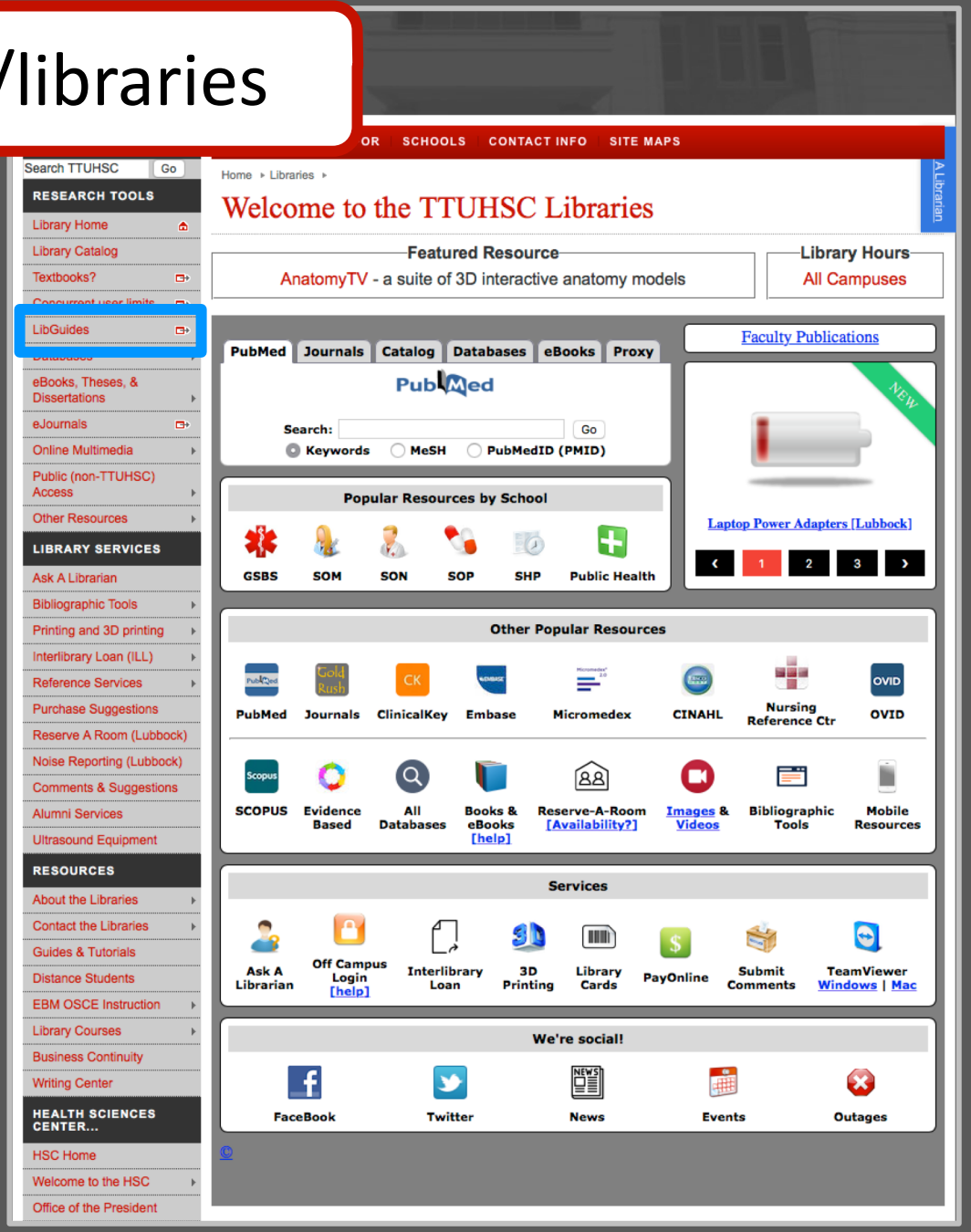

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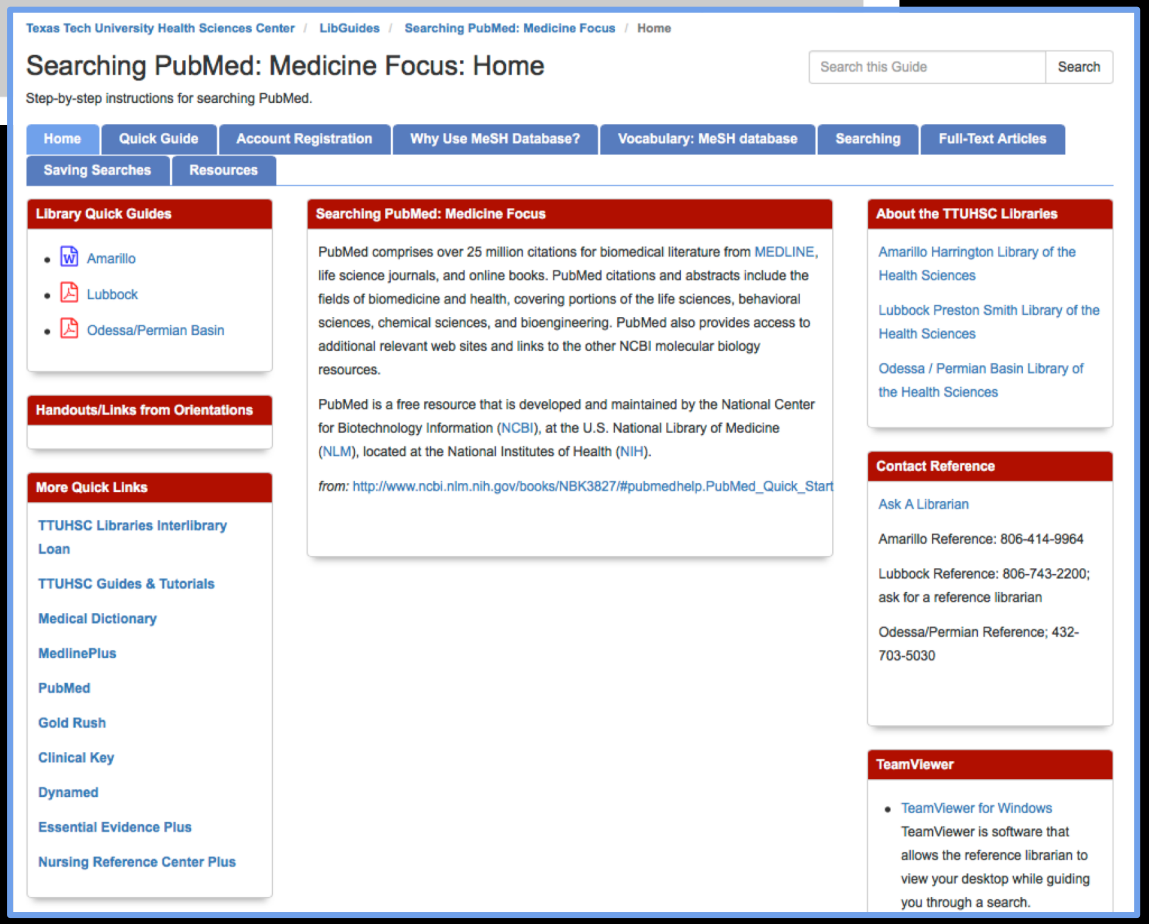

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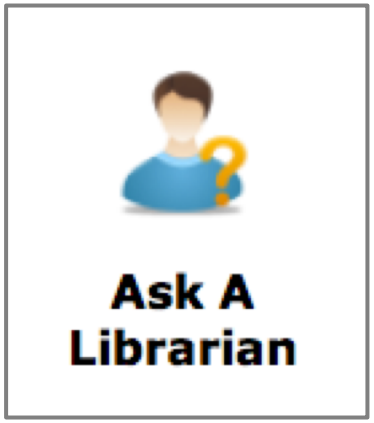

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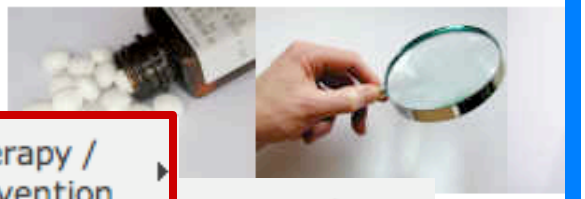

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1. Was the assignment of patients to treatment randomized?

   [ ] Yes [ ] No [ ] Can't Tell

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   [ ] Yes [ ] No [ ] Can't Tell

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   - were patients analyzed in the groups to which they were randomized (intention to treat analysis)?

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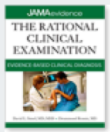

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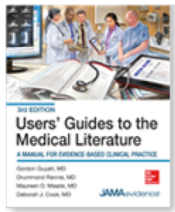

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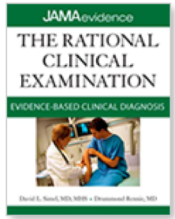
Measuring Agreement Beyond Chance



The Rational Clinical Examination

Evidence-Based Clinical Diagnosis

FEATURED

Infection of a Common Wound

Care at the Close of Life

Evidence and Experience

FEATURED

Latino Patients and Their Families

Glossary

Added July 2016