



Embase vs.
Scopus –
What's the
Difference?

ELSEVIER

Searches Focus on Different Content



Embase focuses on the full text indexing of biomedical content, bringing **insights** through structured indexing of content



be smooth for a new structure to get formed for the grotion in more severed for new states. The transhort of the first grade for a given protein would be dictated by the number and nature of structural perferences across the length of the chain. In view of all these, it is important to understand the chara-ine view of all these, it is important to understand the chara-ing the control of the control of the control of the control populary. In the control of the control of the control of populary is the control of the control of the control of the modalization due to changes in environmental conditions, etc. at aconsic level detail, it wis no different forwarded states on the atomic level detail, in virro, different denatured states can be cre-aced by use of different denaturants, such as, GoH-FIC, uras, SDs. extreme pH conditions, etc. Although these may not exactly rep-ment the denatured states, in vivo, they help sample the ensem-ble quite widely and thus allow investigation of the folding processes, in general.

In this background, we present here a comparative study of

the structural and dynamics characteristics of urea-denatured and Gdn-HCl-denatured states of the GTPase effector domain (GED)* of dynamin, a crucial protein in clathrin mediated endocytosis. GED plays important roles both in dynamin assembly arou the neck of the clathrin coated vesicles, and assists the N-terminal GTPase domain in GTP hydrolysis required for dynamin function [4,5]. The recombinant form of GED has been shown to self-assemble and form large megadalton-sized oligomers in vitro [6,7] even at micro-molar concentrations. We first describe the rlohal characthe releventile rhain in the multi-dimensional endormational wide details about the perturbations caused by 37 M years using NMR and finally compare the urea-mediated unfolding with that unite (Ga-HIL Golffert) is highly damped a compared to area united to the contract of the contract

Bis-ASS [Art-Ric] - allimonaphilaten B-utfinate) Molecular Probes (Dt USA) was prepared and the concentration was determined to the concentration was determined by the concentration was determined by the concentration was determined by the concentration of the

ing the course of its function. Some of the denatured states may lead to soluble aggregates, which occasionally lead to diseases [3].

When a polypeptide chain begins to fold starting from a denatured ensemble, each molecule in the ensemble can, in-principle,

fold along a different path. In this scenario, the starting state in terms of the conformational preferences across the polypeptide chain will have a significant influence on the path the molecule

different initial states for the protein to fold from. If the chain already has some structure, that may form the nucleus for additional

structure to build upon, and this will reduce the search options for the polypeptide chain in the multi-dimensional conformational

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Scopus

Scopus focuses on abstracts and citations, enabling navigation of the published literature



Embase uses Emtree to Search

How is this different?

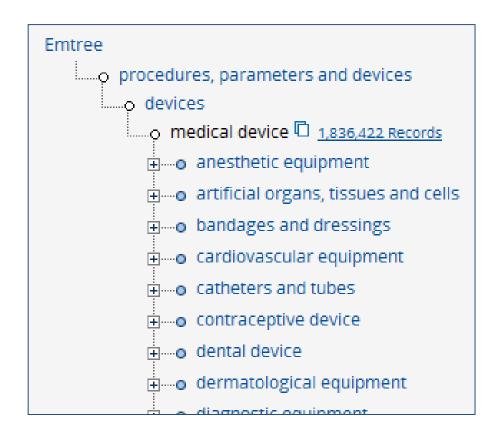
A taxonomy aided search explores (biomedical) synonyms and the underlying concepts and terms.

Why is this important?

A taxonomy aided search will yield more accurate and comprehensive results. When dealing with growing amounts of information, precision is key.

Who benefits?

Any searcher who needs a comprehensive result set: a systematic reviewer, a drug or device tracker, etc.



So Search Results Include Articles with all Typed Terms and Synonyms

- Emtree has > 70,000 preferred terms for searching (these are the terms displayed with records), including over 30,000 drugs (MEDLINE has only 27,000 terms, including ~8,500 drugs)
- Emtree has > 290,000 synonyms, which can be used for searching since they map to the preferred terms (Scopus has no synonyms, so fewer terms are available for searching)
- Emtree has an extensive tree structure making it possible to search on groups of terms (e.g. all monoclonal antibodies)
 (Such searches are impossible on Scopus, which has no tree hierarchy e.g. a Scopus search on "heart attack" misses records mentioning "myocardial infarction" or articles indexed using the Emtree term "heart infarction)

Additional information: Drug and disease terms are qualified by searchable subheadings (e.g. drug therapy) describing their precise role in the article

What is mapping?
Mapping means that
searchers get the same
results regardless of
which term they use, e.g.
Vioxx (synonym) or
rofecoxib the preferred
term)

Embase Includes Subheadings

How is this different?

Embase has subheadings, which provide detailed drug or disease context.

Why is this important?

Subheadings can reveal a great deal of information about the full text article, allowing for easier and better (more accurate) content filtering.

Who benefits?

Any searcher who needs to shift through a gigantic stack of literature and needs help in drilling down to a relevant selection.

