



Expert Lookup for the Agenzia Italiana del Farmaco



Contents

1. Introduction	2
2. Product Specification	3
2.1. <i>Expert Lookup APIs.....</i>	<i>3</i>
2.2. <i>Cluster Level Fingerprint page</i>	<i>6</i>
2.3. <i>Cluster Level Expert Search.....</i>	<i>7</i>
2.4. <i>Favorite Experts</i>	<i>7</i>
2.5. <i>Selected Experts</i>	<i>8</i>
3. Data.....	9
3.1. <i>About Scopus Content.....</i>	<i>9</i>
3.2. <i>Update frequency</i>	<i>9</i>
4. Access method.....	9
5. Browser requirements and settings.....	10
6. Training and Support for Agenzia Italiana del Farmaco	10
7. Pricing Proposal.....	10
<i>Option 1: 1-year renewal</i>	<i>10</i>
<i>Option2: 3-year renewal*</i>	<i>10</i>
Thank You	11

1. Introduction

Elsevier is a world-leading provider of information solutions that help you make better decisions, deliver better care, and sometimes make ground-breaking discoveries in science, health, and technology.

Expert Lookup significantly reduces the time to identify reviewers and allows users to “*cast a wider net*” to identify new reviewer and referee candidates who are qualified in both the discipline and experience level.

In particular, Expert Lookup supports the need to identify experts/reviewers to:

1. Serve as unbiased, non-conflicting reviewers for grant applications
2. Find collaborators/reviewers with prior experience with funding agency to which you are applying, enhancing the win rate
3. Find experts who are similar

Using Scopus as its data source, the largest abstract and citation database of peer-reviewed literature, Expert Lookup enables users to find experts/reviewers from a global pool of over 16 million scientific expert profiles based on Scopus publications.

Key features of Expert Lookup are:

1. Identification of potential conflict of interest between an expert and any of the proposal applicants.
2. Semantic fingerprinting of proposal text and identifying concepts. Relevancy ranking of matched thesauri.
3. Filtering of experts based on *h*-Index, countries, funding agency, organization type and journals in which they publish.
4. Exporting expert results for single or multiple proposals in a csv file.
5. Creating your own group of Favorite Experts and identifying which proposals they can help with reviewing.
6. Clustering group of proposals manually or automatically clustering by Expert Lookup based on semantic fingerprint overlaps between proposals.
7. Identifying a group of experts who can help review of a set of proposals in a cluster.
8. Assigning experts to review proposals and exporting review assignments in a .csv file or via an API.

Expert Lookup has ongoing development and does three major releases per year. Much of our development is based on feedback from our user advisory board.

2. Product Specification

2.1. Expert Lookup APIs

Expert Lookup's subscription comes with access to the Expert Lookup application as well as supporting APIs that can be found at <http://api.expertlookup.com/swagger/ui/index>.

Below are the steps to identify experts in Expert Lookup:

1. User first creates a proposal record either manually using the UI, by bulk upload from an Excel file, or programmatically via the Expert Lookup API.

Expert Lookup Expert Search Favorite Experts Selected Experts Mehul Pandya

Expert Search

Workspaces>Auto Clustering Evaluation Workspace>[Grant No. 2-s2.0-84855901677] Centrom...

Proposal details Semantic Search & select View selected

Proposal Details < Previous 8 of 24 Next >

Proposal title
Centromere-associated repeat arrays

Proposal keywords
Restriction Mapping; Tandem Repeat Sequences; Oligonucleotide Array Sequence Analysis

Abstract
Background: African trypanosomes belong to a eukaryotic lineage which displays many unusual genetic features. The mechanisms of chromosome segregation in these diploid protozoan parasites are poorly understood. Centromeres in *Trypanosoma brucei* have been localised to chromosomal regions that contain an array of ~147 bp AT-rich tandem repeats. Initial estimates from the genome sequencing project suggested that these arrays ranged from 2 - 8 kb. In this paper, we show that the centromeric repeat regions are much more extensive. Results: We used a long-range restriction endonuclease mapping approach to more accurately define the sizes of the centromeric repeat arrays on the 8 *T. brucei* chromosomes where unambiguous assembly data were available. The results indicate that the sizes of the arrays on different chromosomes vary from 20 to 120 kb. In addition, we found instances of length heterogeneity between chromosome homologues. For example, values of 20 and 65 kb were obtained for the arrays on chromosome 1, and 50 and 75 kb for chromosome 5. Conclusions: Our results show that centromeric repeat arrays on *T. brucei* chromosomes are more similar in size to those of higher eukaryotes than previously suspected. This information provides a firmer framework for investigating aspects of chromosome segregation and will allow epigenetic features associated with the process to be more accurately mapped. © 2012 Echeverry et al; licensee BioMed Central Ltd.

Specific aims

Grant number 2-s2.0-84855901677 Council Status new

Applicants + Add

Scopus ID	Name	Organization	Principal Investigator	Role	Profile
16480024300	Bot, Christopher	Karolinska Institutet	<input type="radio"/>		
7801637719	Obado, Samson O.	Rockefeller University	<input type="radio"/>		
8944843000	Patel, Chhaganbhai N.	Shri Sarvajani Pharmacy College	<input type="radio"/>		
7202940850	Patel, Chandrakant D.	Hewlett Packard Laboratories	<input type="radio"/>		
7406239432	Taylor, Martin C.	London School of Hygiene & Tropical Medicine	<input type="radio"/>		

Save & create fingerprint

2. As proposal records are created, Expert Lookup will fingerprint proposal records across all supported thesauri as shown below. Users can review/tweak proposal fingerprints as necessary and search for experts.



Expert Lookup

Expert Search

Favorite Experts

Selected Experts

MP

Expert Search

Move proposal to another workspace, view the matching document count since 2000, and enhanced default fingerprints has been released on January 10. [Click here for details](#)

Workspaces > Auto Clustering Evaluation Workspace > [Grant No. 2-s2.0-79951567142] Centromere-associated topoisomerase a...



Proposal details



Semantic fingerprint



Search & select experts



View selected experts

Elsevier Fingerprint Engine FactSheet

Medicine and Life Sciences (used for search)

Hide proposal info

Save as new version

Save

Undo

Find Experts

Title: Centromere-associated topoisomerase activity in bloodstream form *Trypanosoma brucei*

Abstract: Topoisomerase-II accumulates at centromeres during prometaphase, where it resolves the DNA catenations that represent the last link between sister chromatids. Previously, using approaches including etoposide-mediated topoisomerase-II cleavage, we mapped centromeric domains in trypanosomes, early branching eukaryotes in which chromosome segregation is poorly understood. Here, we show that in bloodstream form *Trypanosoma brucei*, RNAi-mediated depletion of topoisomerase-II α , but not topoisomerase-II β , results in the abolition of centromere-localized activity and is lethal. Both phenotypes can be rescued by expression of the corresponding enzyme from *T. cruzi*. Therefore, processes which govern centromere-specific topoisomerase-II accumulation/activation have been functionally conserved within

			Required on a matching document	Must not be on a matching document	Ignore
DNA Topoisomerases, Type II		100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bloodstream-form <i>Trypanosoma brucei</i>		100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Trypanosoma brucei brucei</i>		89	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Centromere		85	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Topoisomerase		51	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sumoylation		34	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chromosome Segregation		31	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Trypanosoma</i>		28	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RNAi-mediated		28	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

3. Expert Lookup suggests a list of experts based on Scopus Author profiles for a proposal.

Apply filter

Thesaurus ▼

h-index ▼

Countries ▲

- ☒ All Countries
- ☒ Africa
- ☒ Asian Pacific
- ☒ Europe
- ☒ Middle East
- ☒ South America
- ☒ US and Canada
- ☒ Afghanistan

Groups of experts ▼

Publications ▼

Journals ▼

Conflict of Interest ▼

Funding agency (beta) ▲

Search Funding Agency

National Science Foundation

Institution Type ▼

Institution ▼

Expert Ranking Preference ▼

Apply filter

Centromere-associated topoisomerase activity in bloodstream form *Trypanosoma brucei*

Taylor, Martin C. h-index: 29

Medicine and Life Sciences Bloodstream-form *Trypanosomum Brucei*, DNA Topoisomerases, Type II, T...

show all

Search within results 🔍 Export

<input type="checkbox"/> Rank	<input type="checkbox"/> Name	<input type="checkbox"/> Institution	Matching Pubs	Total Pubs	h-index	Patent Citations	Pubs in Top Journals	Potential Assign COI
▼	<input type="checkbox"/>	Julius Lukeš	135	278	48	8	54	Yes ●
		Jihoceská Univerzita v Českých Budejovicích						
▲	<input type="checkbox"/>	Duncan J. Clarke	40	68	27	11	4	No ●
		University of Minnesota Medical School						

View in Scopus ➔ Search the web for Duncan J. Clarke ➔

Matching publications since 2015 (4) First Author (1) Last Author (3) Indicates match to fingerprint ▲

Source: Methods in Molecular Biology

Matched fingerprints (weight): Catenation (0.13) | Chromosome Segregation (0.3) | DNA Topoisomerases, Type II (1) | Topoisomerase (0.51)

● Analyzing mitotic chromosome structural defects after topoisomerase II inhibition or mutation

Authors: Giménez-Abián, J.F. | Lane, A.B. | Clarke, D.J.

Source: Methods in Molecular Biology

Matched fingerprints (weight): Chromosome Segregation (0.3) | DNA Topoisomerases, Type II (1) | Sister Chromatids (0.11) | Topoisomerase (0.51)

Citations: 1

2017 Non-catalytic roles of the topoisomerase IIα C-terminal domain

Authors: Clarke, D.J. | Azuma, Y.

Source: International Journal of Molecular Sciences

Matched fingerprints (weight): Centromere (0.85) | Eukaryota (0.12) | Topoisomerase (0.51)

Citations: 7

2016 A noncatalytic function of the topoisomerase II CTD in Aurora B recruitment to inner centromeres during mitosis

Authors: Edgerton, H. | Johansson, M. | Keifenheim, D. | Mukherjee, S. | Chacón, J.M. | ... | Clarke, D.J.

Source: Journal of Cell Biology

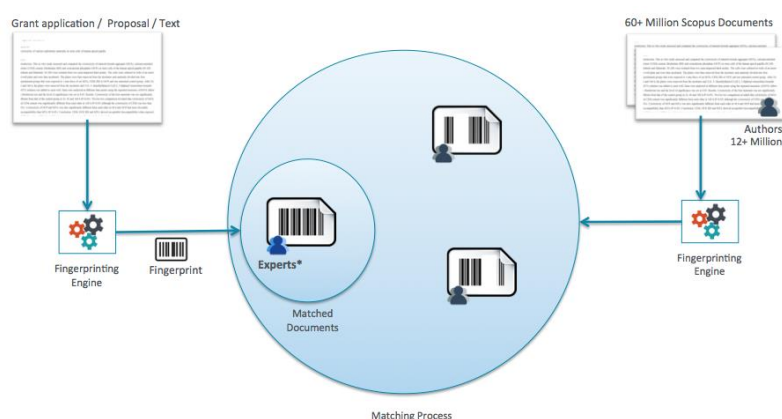
Matched fingerprints (weight): Centromere (0.85) | Chromosome Segregation (0.3) | DNA Topoisomerases, Type II (1) | Sumoylation (0.34) | Topoisomerase (0.51)

Citations: 10

Funded by

Funding Agency	Country	Approx. last award date / amount	Approx. total funding amount received	
National Institute of General Medical Sciences https://www.nigms.nih.gov/		March 2019 / 303,144 USD	1,532,938 USD	View awards...
National Science Foundation https://www.nsf.gov/		March 2009 / 540,000 USD	540,000 USD	View awards...

The process of suggesting experts based on proposal fingerprint works as described below:



1. Similar to fingerprinting of proposal fingerprints across multiple thesauri, Expert Lookup database also contains fingerprints of Scopus documents across multiple thesauri that are used in matching,

- During matching process, Expert Lookup finds all Scopus documents published in the last 5 years* which have fingerprint concept overlaps with the proposal for selected search thesauri.
* Publication year of Scopus documents can be modified by changing the value in 'publication since' filter on expert search result page. By default, it selects the last 5 years of documents but the user has option to select documents back to 2000. When the user has changed this value, all documents published since that year will be included in the matching process.
- Matched Scopus documents are then ranked based on the weight of matched concept(s).
- Matched documents are then sorted on descending ranked value to use the most relevant document first.
- Top 200 Scopus authors are then extracted from top X matched documents. Value for X (default being 500) is determined by, 'Calculation based on' filter on expert search result page. By default, the top 500 matched documents are used and Scopus authors are extracted from them.
- Any applicant of a proposal is automatically filtered out and NOT returned as a suggested reviewer.

2.2. Cluster Level Fingerprint page

The objective of this functionality is to help users review fingerprints together for all proposals in a cluster. Below screenshot is an example screen showing fingerprints for all 3 proposals clustered together.

Expert Lookup Expert Search Favorite Experts Selected Experts Mehul Pandya 🔍

Expert Search

Workspaces > Auto Clustering Evaluation Workspace > Trypanosomiasis, Trypanosoma brucei, Iron

Workspace detail Semantic fingerprint Search & select experts View selected experts

Trypanosomiasis, Trypanosoma brucei, Iron Cluster Fingerprint

[View List of 3 proposals ^](#)

In vivo imaging of trypanosome-brain interactions and development of a rapid screening test for drugs against CNS stage trypanosomiasis.
Evidence that transport of iron from the lysosome to the cytosol in African trypanosomes is mediated by a mucolipin orthologue
Centromere-associated topoisomerase activity in bloodstream form Trypanosoma brucei
 Taylor, Martin C. | Manfroni, Giuseppe

🔴 Medicine and Life Sciences

Save Undo Find Experts

Concepts from all proposals in a cluster (Occurrence Freq / Total No. of Proposals)		Use in Cluster Search	Required on a matching document	Must not be on a matching document	Ignore
Trypanosomiasis (3 / 3)	100	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Trypanosoma brucei brucei (3 / 3)	27	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Parasites (2 / 3)	45	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DNA Topoisomerases, Type II (1 / 3)	100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Iron (1 / 3)	100	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Centromere (1 / 3)	92	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Diminazene (1 / 3)	74	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2.3. Cluster Level Expert Search

After review of cluster level fingerprints, users can then run an Expert search that would allow them to find Experts who can help with review of ALL proposals in a cluster. Below example screenshot shows experts who are able to help with review of all 3 proposals clustered together. Matching Publication column in screenshot shows how many proposals they can help review with.

Expert Lookup [Expert Search](#) Favorite Experts Selected Experts Mehul Pandya

Expert Search

Workspaces > Auto Clustering Evaluation Workspace > Trypanosomiasis, Trypanosoma brucei, Iron

Workspace detail Semantic fingerprint Search & select experts View selected experts

☒ Hide filters

Experts for Trypanosomiasis, Trypanosoma brucei, Iron Cluster

[View List of 3 proposals](#)

Search within resultset

<input type="checkbox"/>	Rank	Name Institution	Matching pub.	Matching proposals	First author	Last author	Total pub.	h- Index	RCR	Potential COI	Assign Expert
<input checked="" type="checkbox"/>		Achim C. Schnauffer University of Edin...	8	3	0	4	50	25	1.39	Yes	<input type="radio"/>
<input checked="" type="checkbox"/>		Adalgisa Caccone Yale University	6	3	0	5	178	42	1.04	Yes	<input type="radio"/>
<input checked="" type="checkbox"/>		Adrián Enrique Roitb... University of Florida	1	3	0	1	138	43	2.27	No	<input type="radio"/>
<input checked="" type="checkbox"/>		Ahmed S.I. Aly Tulane University ...	1	3	0	1	22	14	1.67	No	<input type="radio"/>
<input checked="" type="checkbox"/>		Alan Finkelstein Albert Einstein Co...	1	3	0	1	31	51	0.96	No	<input type="radio"/>
<input checked="" type="checkbox"/>		Alan H. Fairlamb University of Dun...	13	3	1	4	145	63	2.19	Yes	<input type="radio"/>
<input checked="" type="checkbox"/>		Alison Louise V. Van ... University of Calif...	1	3	1	0	56	24	1.31	No	<input type="radio"/>
<input checked="" type="checkbox"/>		Alison P. Galvani Yale University	1	3	0	1	201	36	1.26	No	<input type="radio"/>

☒ National Institutes of Health
☒ NIH Office of the Director
☒ NIH Clinical Center

2.4. Favorite Experts

The objective of this functionality is to help users who know of a reviewer to determine:

1. If that person is an appropriate fit to review a selected proposal in an unbiased way.
2. Which proposals within selected workspaces are an individual qualified to help review.

To accomplish this task, users can create favorite expert groups and add reviewers to a group. Users can then request an offline calculation to match favorite expert group to proposals and obtain a list of qualified matches.

Expert Lookup

[Expert Search](#)
[Favorite Experts](#)
[Selected Experts](#)

Mehul Pandya



Favorite Experts

Favorite expert groups > Demo Favorite Expert Group

Favorite expert group: Demo Favorite Expert Group

Add favorite expert



Request proposal matching



<input type="checkbox"/>	Name	Scopus ID	External System ID	Organization	Country	Assigned proposals	Search	
<input type="checkbox"/>	Hiromi Nakanishi	35481978700	1		Japan	0		
Last updated on 3/30/2017 based on documents between 2012 to current. (Data might be outdated. Refresh?)								
	Title	Expert rank	Matching publications	Potential COI	Selected experts	Assign expert		
	Iron metabolism in trypanosomatids, and its crucial role in infection	<div><div></div></div>	4	Yes	2	<input type="checkbox"/>		
<input type="checkbox"/>	Naokoshi Nishizawa	7102014073	2		Japan	0		
Last updated on 3/30/2017 based on documents between 2012 to current. (Data might be outdated. Refresh?)								
	Title	Expert rank	Matching publications	Potential COI	Selected experts	Assign expert		
	Iron metabolism in trypanosomatids, and its crucial role in infection	<div><div></div></div>	6	Yes	2	<input type="checkbox"/>		

2.5. Selected Experts

This functionality allows users to assign reviewers to a proposal as well as export assignments.

3. Data

Experts suggested by Expert Lookup are based on author profiles in Scopus. Below is an overview of Scopus content.

3.1. About Scopus Content

Scopus is the largest abstract and citation database of peer-reviewed literature which includes over 22,500 titles from more than 6,000 publishers.

- Over 22,500 titles from more than 6,000 international publishers
 - 21,500 peer-reviewed journals (including 4,200 open access journals)
 - 360 trade publications
 - More than 1,000 book series
- 150,000 books and growing
- 7.2 million conference papers from over 88,800 worldwide events

"Articles-in-Press" from more than 5,000 journals and publishers such as Cambridge University Press, Elsevier, Springer, Wiley-Blackwell, Nature Publishing Group and the IEEE (Institute of Electrical and Electronics Engineers).

Scopus delivers the most comprehensive overview of the world's research output in the fields of science, technology, medicine, social sciences and arts & humanities. As research becomes increasingly global, interdisciplinary and collaborative, the broad coverage of Scopus allows you to make sure that critical research from around the world is not missed. For more information including a complete list of titles, please visit <http://www.elsevier.com/scopus>.

3.2. Update frequency

Scopus publication data in Expert Lookup is updated monthly.

4. Access method

User name and password is required to access Expert Lookup.

- When setting up your instance, Elsevier will create an administrator user for you who can create additional users as needed. Elsevier will provide Expert Lookup administrator training to administrator users.

5. Browser requirements and settings

Supported browsers

The latest versions of Mozilla® Firefox®, Google Chrome™ as well as Microsoft Internet Explorer version 10 and higher on Microsoft Windows and Mac OS X are supported for Expert Lookup.

Note:

- Other operating systems and browsers may also be able to access Elsevier products, however, the Elsevier E-Helpdesk cannot provide expert advice or technical support to solve problems you may encounter when using non-supported systems.
- Beta or test versions of browsers are not supported.
- Mobile browsers are not supported.

6. Training and Support for Agenzia Italiana del Farmaco

To ensure a successful deployment, Elsevier will support AIFA by providing a custom web-based training for the site administrator and users of Expert Lookup.

Support is available via email at any time. Users can use the contact us link in the Expert Lookup interface to reach out to our support team for any issues.

7. Pricing Proposal

Pricing is based on the number of seats your institution needs.

Option 1: 1-year renewal

Description	01/08/ 2020 - 31/07/2021
Expert Lookup	€ 17,850.00

Option2: 3-year renewal*

Description	01/08/ 2020 - 31/07/2021	01/08/ 2021 - 31/07/2022	01/08/ 2022 - 31/07/2023
Expert Lookup	€ 17,510.00	€ 18,035.30	€ 18,576.36

*** this option comes with an annual opt-out clause**

This sales proposal shall remain valid until 30 September 2020. No legally binding obligation shall arise except by the execution and delivery of an agreement containing such terms and conditions of the proposed transaction as shall have been agreed upon by the parties. Such agreement shall be subject to final approval of the Managing Director of Science & Technology Sales & Customer Marketing. If one of the parties decides, regardless the moment or the reason of such decision, not to

continue the negotiations of the transaction no legally binding or enforceable obligation shall arise to reimburse the other party for any fees, expenses, costs or damages.

Thank You

Thank you for your time and consideration of this proposal. We are committed to providing [Institution] with a solution set that will meet your needs. We will contact you shortly to collect your feedback on this proposal and answer any questions you may have.

Sincerely,

Christian Palazzesi
Account Manager

Luigi Rucco
Solution Sales Manager and Customer Consultant