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Localizing Open Access Articles in PubMed

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PubMed and Open Access

Fun with SFX

Stacey Knight-Davis

Eastern Illinois University

PubMed - What it is, What it does

- 21 million citations for biomedical literature from MEDLINE, life science journals, and online books.
- Several methods to provide links to full text

Default View

NCBI Resources How To My NCBI Sign In

PubMed.gov PubMed Search

US National Library of Medicine National Institutes of Health Limits Advanced Help

Display Settings: Abstract Send to:

PLoS Biol. 2010 May 25;8(5):e1000375.

Institutional open access funds: now is the time.

Eckman CD, Weill BT
Library, University of California Berkeley, Berkeley, California, United States of America.

Abstract

To date, the Berkeley OA fund has ensured that 43 articles are free to be read immediately upon publication and 44 additional articles are now in the pipeline. The full scope of OA publishing during this period was significantly larger, at least by a factor of four. The OA fund allocation will continue to be carefully managed over the coming years. We are tracking our potential liability assuming the OA landscape grows with additional publishers and OA options. The amount predicted as necessary to maintain the fund based on the initial 18-month uptake data is US\$45,000. This is less than 1% of the US\$6.2 million the library invests in subscribing to closed-access digital journals. We are paying attention in particular to the attempts by the California Digital Library, which negotiates major journal publisher licenses on behalf of the UC campuses, to include terms within the licenses that enable UC authors to take advantage of publishers' hybrid OA options [16]. And it comes with far less of the myriad overhead costs associated with those closed-access subscriptions because that subscription price doesn't tell the full story of the actual cost of maintaining the subscription. Those subscriptions involve staff-intensive license negotiations. Institutions develop and maintain systems architectures in order to ensure that only authorized users have access and respond to challenges from publishers of the content when actual or potential breaches of the licenses are identified (publishers invest hugely in monitoring use of their content in order to ensure the license terms are not breached and are quite willing to contact the institutional subscriber when any untoward activity appears on their logs). They must, in certain instances, maintain the confidentiality of certain clauses in the licenses and increasingly respond to freedom of information, public records act requests related to the investments of public resources in those contracts. The need to experiment is particularly heightened during this economic crisis when investments in subscriptions are increasingly difficult to justify, particularly given the alternate forms of open access to content and decreasing ability for libraries to reliably distinguish OA and non-OA content within the journal. We believe that institutions (and the sub-institutional units that manage collection funds) should be open to exploring alternative funding models for scholarly communication. Institutions should highly value funding models that promote universal access to their research output. And during an economic crisis, these institutions should question the extensive financial and human resource investments required by the subscription model, a model that both excludes nonauthorized users and entails large-scale and complex licensing and legal obligations. The time is now for broad-scale adoption of institutional OA funds.

PMID: 20520845 [PubMed - indexed for MEDLINE] PMCID: PMC2876045 Free PMC Article

+ MeSH Terms

+ LinkOut - more resources

Open access to full text on PLOS BIOLOGY FREE full text article in PubMed Central

Related citations

Status of open access in the biomedical field in 2005. [J Med Libr Assoc. 2009]

Review Open access: implications for scholarly publishing and medical libr [J Med Libr Assoc. 2006]

Citation advantage of open access articles. [PLoS Biol. 2006]

The Open Access initiative in scientific and biomedical publishing: four [Am J Ophthalmol. 2005]

Review Electronic publishing in radiology: economics and the future. [J Am Coll Radiol. 2004]

See reviews... See all...

Related information

Related Citations

Free in PMC

Recent activity

Turn Off Clear

Institutional open access funds: now is the time. PubMed

open access libraries (84) PubMed

PubMed Help - PubMed Help Bookshelf

See more...

Localized View

NCBI Resources How To My NCBI Sign In

PubMed US National Library of Medicine National Institutes of Health Limits Advanced Search Help

Display Settings: Abstract

Send to:



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See reviews...

See all...

Related information

Related Citations

Free in PMC

Recent activity

Turn Off Clear

Open-access to nutrition research information: a public policy debate. PubMed

Institutional open access funds: now is the time. PubMed

open access libraries (84) PubMed

PubMed Help - PubMed Help Bookshelf

See more...

How It's done

1. Open Access journals added to SFX
2. Holdings exported from SFX
3. Holdings Uploaded to PubMed

1. Adding to SFX

List of Targets

[Add New Target](#)

[Show All](#)

[Show Active](#)

[Show Inactive](#)

[Delete](#)

[Activate](#)

[Deactivate](#)



Available: 2 targets

Database: sfxeiu

Filter Target List:

[Go](#)

NCBI_PUBMED_FREE to PUBMED_CENTRAL

<input type="checkbox"/>	#	Target	Threshold	Modified	Active	Action
<input type="checkbox"/>	1	NCBI_PUBMED_FREE		2010/02/04	<input checked="" type="checkbox"/>	C
	2	PUBMED_CENTRAL (2)				
<input type="checkbox"/>		PUBMED_CENTRAL_JOURNALS_FREE		2011/05/17	<input checked="" type="checkbox"/>	C
<input type="checkbox"/>		PUBMED_CENTRAL_OPEN_ACCESS_FREE		2011/05/17	<input checked="" type="checkbox"/>	C



2. Export in 1 click

The screenshot shows the ExLibris SFX web interface. At the top right, there are links for "OpenURL Generator" and "Log Off". The main navigation bar includes "Home", "KBManager", "KBTools", "Statistics", and "Troubleshooting". Below this, a secondary navigation bar highlights "DataLoader", "Export Tool", and "Collection Tool". The main content area is titled "Welcome to Export Tool" and features three tabs: "Basic Export Queries", "Advanced Export Queries", and "Advanced Export Profiles" (which is currently selected). A "Submit" button is located in the top right of the main content area. Below the tabs is a "Query Selection" section. Underneath, there is a heading "Use an Export Profile:" followed by three numbered steps: 1. "Choose a profile:" with a dropdown menu showing "LinkOut" and a link to "Manage Profiles"; 2. "Use the following additional export file (optional):" with a text input field and a "Browse..." button; 3. "Compare with previous export file (For XML 'compare' export only):" with a dropdown menu. A second "Submit" button is located at the bottom right of the main content area.

ExLibris SFX OpenURL Generator | Log Off

Home | KBManager | **KBTools** | Statistics | Troubleshooting

DataLoader | **Export Tool** | Collection Tool

Welcome to Export Tool

Basic Export Queries Advanced Export Queries **Advanced Export Profiles**

Submit

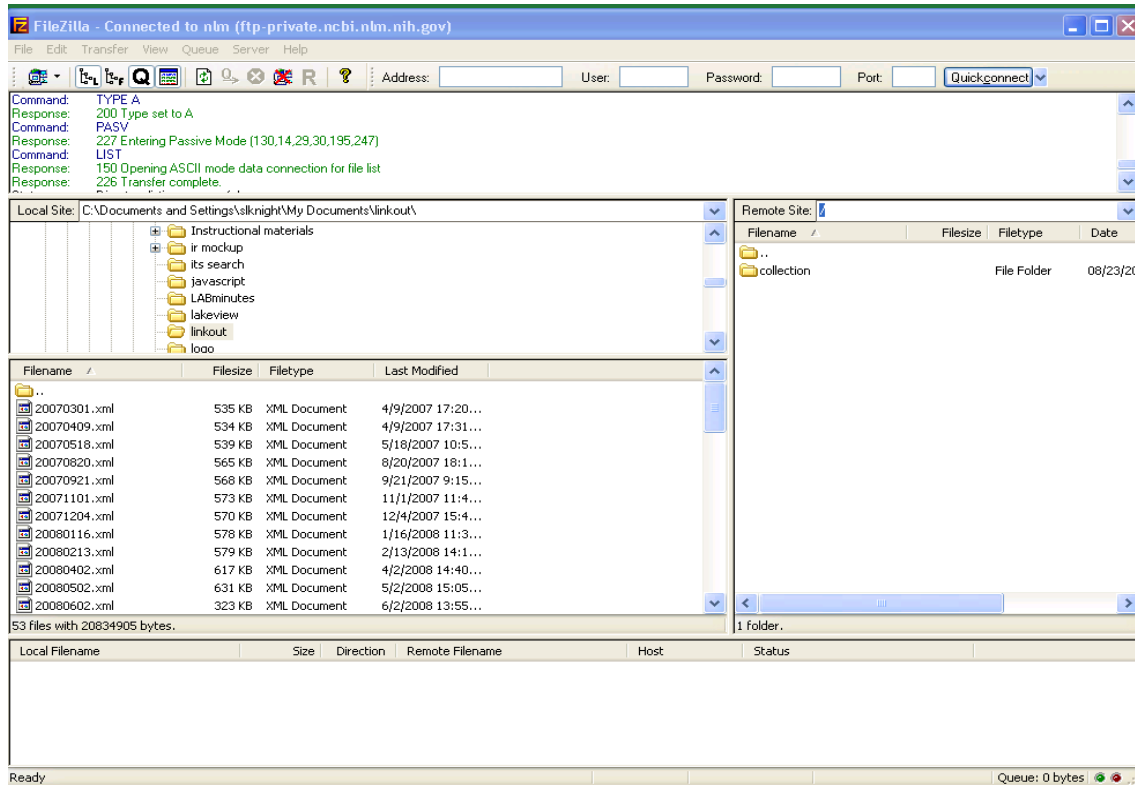
Query Selection

Use an Export Profile:

1. Choose a profile:
 [Manage Profiles](#)
2. Use the following additional export file (optional):
 Browse...
3. Compare with previous export file (For XML "compare" export only):

Submit

3. Upload to PubMed



Done!

- You've just localized PubMed!

But wait, there's more...

Taking it to the next level

- There is some full text available that SFX won't pick up
- Custom URL for PubMed

Fun with URLs (let's get geeky)

- <http://www.ncbi.nlm.nih.gov/pubmed/>
- [http://www.ncbi.nlm.nih.gov/pubmed?
holding=eiublib_fft_ndi&otool=eiublib
&myncbishare=eiublib](http://www.ncbi.nlm.nih.gov/pubmed?holding=eiublib_fft_ndi&otool=eiublib&myncbishare=eiublib)

Back up a step

The screenshot shows the NCBI LinkOut LIBRARY SUBMISSION UTILITY interface. At the top, there is a navigation bar with the NCBI logo, a "HOME" button, a "HELP" button, and a "Sign Out" button. The main title is "LinkOut. LIBRARY SUBMISSION UTILITY". Below the navigation bar, the user is identified as "Booth Library Eastern Illinois University". There are three tabs: "LinkOut" (selected), "OutsideTool", and "Document Delivery". A blue banner states: "LinkOut displays links to your holdings in PubMed search results." Below this, there are three sub-tabs: "PubMed" (selected), "Contact Info", and "Library Info". The "PubMed" section is divided into two columns. The left column is titled "LinkOut Options for PubMed" and contains four links: "View or Update Online Holdings", "View or Update Print Holdings", "View Usage Statistics", and "Export Holdings". The right column is titled "PubMed Holdings" and contains the text: "You have 1821 journals (1821 entries) in your online and print holdings for PubMed. When a patron views a citation for any of these articles in PubMed, they see a link to that article in your holdings." Below the text, there is a paragraph explaining that the icon(s) located at the URLs, shown below, appear when a user views a citation to which you provide links. Clicking the icon links the user to the full text from your selected provider or to a record of your library's print holdings. At the bottom, there are two input fields. The first is labeled "Full-Text Icon/Icon URL" and contains the URL "http://www.l.../linkout.gif" with a "Change" button. The second is labeled "Print Collection Icon/Icon URL" and contains the URL "http://www.l.../linkoutprint.gif" with a "Change" button.

NCBI

HOME HELP

LinkOut. LIBRARY SUBMISSION UTILITY

Sign Out

Provider Lists Journal Lists Submission Utility Main Page

Booth Library Eastern Illinois University

LinkOut OutsideTool Document Delivery

LinkOut displays links to your holdings in PubMed search results.

PubMed Contact Info Library Info

LinkOut Options for PubMed
[View or Update Online Holdings](#)
[View or Update Print Holdings](#)
[View Usage Statistics](#)
[Export Holdings](#)

PubMed Holdings
You have 1821 journals (1821 entries) in your online and print holdings for PubMed. When a patron views a citation for any of these articles in PubMed, they see a link to that article in your holdings.

The icon(s), or the icon(s) located at the URLs, shown below appear when a user views a citation to which you provide links. Clicking the icon links the user to the full text from your selected provider or to a record of your library's print holdings.

Full-Text Icon/Icon URL

Print Collection Icon/Icon URL

Breaking it Down

- eiublib – Use EIU icons and holdings records
- fft – Apply full text links to free articles
- ndi – Suppress publisher icons

[http://www.ncbi.nlm.nih.gov/pubmed?
holding=eiublib_fft_ndi&otool=eiublib
&myncbishare=eiublib](http://www.ncbi.nlm.nih.gov/pubmed?holding=eiublib_fft_ndi&otool=eiublib&myncbishare=eiublib)

fft – Expanding offerings

Via SFX

Yearly(only the current year and previous year):

	2011	2010
Total:	746	1556

Via fft

Access to Full-text Links

[Text Version](#)

[CSV Version](#)

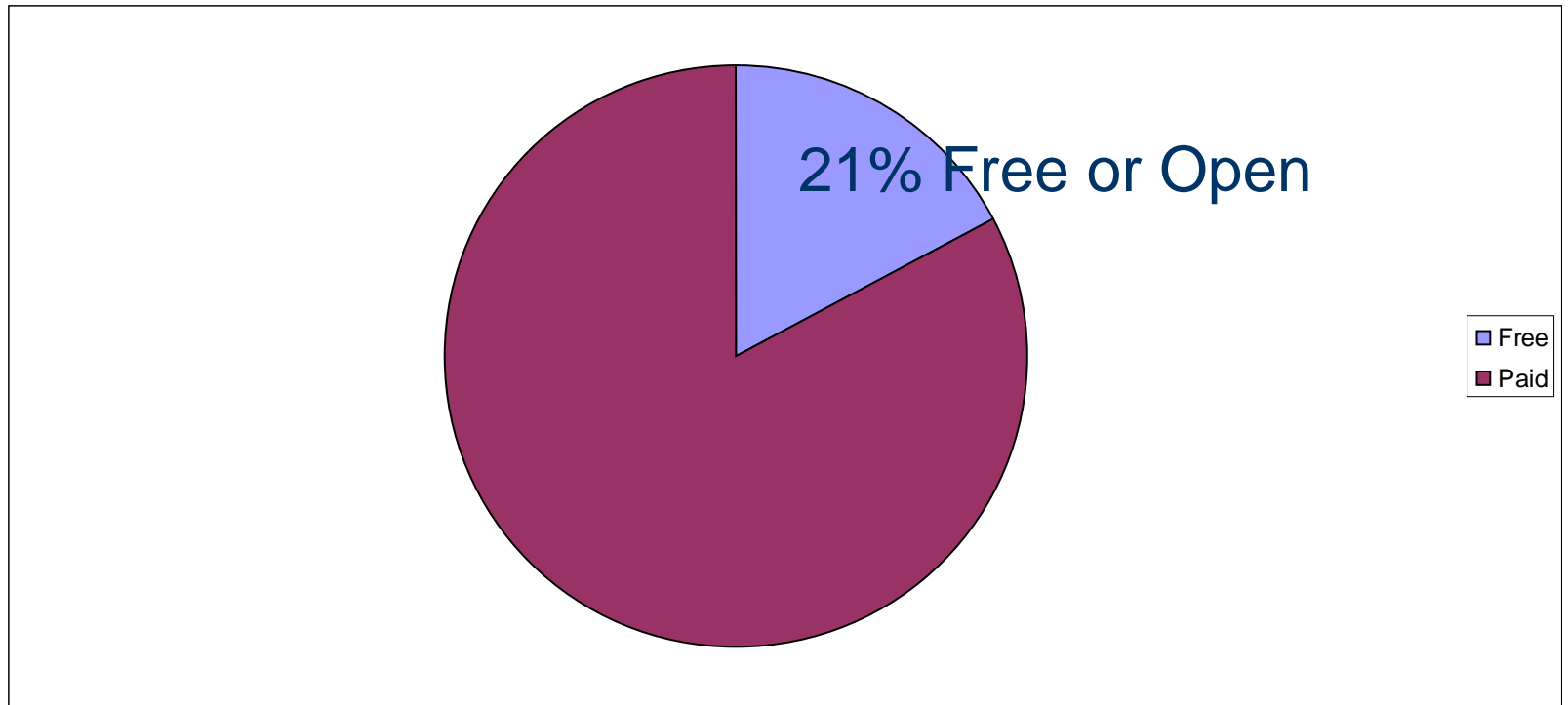
Yearly(only the current year and previous year):

	2011	2010
Total:	141	161

SFX Activity

Target	Clickthroughs
Total:	23870
LOCAL_CATALOG_EXLIBRIS_VOYAGER	5592
DOCDEL_LOCAL	3154
EBSCOHOST_ACADEMIC_SEARCH_PREMIER	1503
MISCELLANEOUS_FREE_EJOURNALS	1355
WILEY_ONLINE_LIBRARY_2010_FULL_COLLECTION	1331
SPRINGER_LINK_JOURNALS_STANDARD	1044
GALEGROUP_IT_EXPANDED_ACADEMIC_ASAP	783
SAGE_COMPLETE	760
CAPTURE_CITATION	649
SAGE_PREMIER_2008	564
SAGE_PREMIER_2011	501
LEXISNEXIS_ACADEMIC	482
ULRICHSWEB_COM	459
HIGHWIRE_PRESS_FREE	341
JSTOR_LIFE_SCIENCES_COLLECTION	336
DOAJ_DIRECTORY_OPEN_ACCESS_JOURNALS_FREE	333
PROJECT_MUSE_PREMIUM_COLLECTION	327
EBSCOHOST_ACADEMIC_SEARCH_COMPLETE	298

Once more with Pictures



So what was the rest of that?

- `&otool=eiublib` adds SFX default icon to all records
- `myncbishare=eiublib` creates “Available at EIU” filter

The screenshot shows the PubMed.gov search interface. The search bar contains the text 'open access libraries' and the 'Search' button is visible. Below the search bar, there are links for 'RSS', 'Save search', 'Limits', and 'Advanced'. The 'Display Settings' section shows 'Summary, 20 per page, Sorted by Recently Added'. The 'Send to' section has a dropdown menu. The 'Filter your results' section shows 'All (84)', 'Available @ EIU (66)', and 'Review (7)'. The 'Results: 1 to 20 of 84' section shows a list of results, with the first result being 'Truccolo I, Bogliolo A, Ricci R, Giacomini M, Pivetti S, Russell-Edu W, De Lorenzo F, Seta MD, Colombo C, Bufalino R, Bocchini G, Pierotti M, Lombardo'. The 'Manage Filters' link is located at the bottom right.

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

PubMed open access libraries Search

RSS Save search Limits Advanced Help

Display Settings: Summary, 20 per page, Sorted by Recently Added Send to: Filter your results:

Results: 1 to 20 of 84 << First < Prev Page 1 of 5 Next > Last >>

CIGNOweb.it

1. Truccolo I, Bogliolo A, Ricci R, Giacomini M, Pivetti S, Russell-Edu W, De Lorenzo F, Seta MD, Colombo C, Bufalino R, Bocchini G, Pierotti M, Lombardo

All (84)
Available @ EIU (66)
Review (7)

Manage Filters

Take home points

- Customizing PubMed makes open and free content easier for students to recognize.
- Branding free and open content adds it to the library's collection.
- It's easier than it looks.

Managing LinkOut with the SFX Link Resolver

PubMed+LinkOut + SFX = Additional features, library branding of open access materials

PubMed.gov search results for "Institutional open access funds: now is the time." (Eckman CD, Weill BT, 2010). The interface includes a search bar, "Display Settings" (Abstract), and a "Send to" dropdown. A callout box points to the "Full Text Holdings from SFX" icon. Another callout box points to the "Find it @ EIU" icon, labeled as the "Default SFX icon on all citations with Outside Tool".

Find it @ EIU - Mozilla Firefox browser window. The page title is "Find it @ EIU". The URL is "http://sfx.carli.illinois.edu/sfxeiu?s". The main content area displays the article title and source, followed by a list of links for full text availability:

- Full text available via Academic Search Complete
- Full text available via Directory of Open Access Journals
- Full text available via PubMed Central
- Full text available via PubMed Central Open Access
- Booth Library owns some issues of this publication. Check the EIU Online Catalog

A callout box labeled "SFX Menu" points to the list of links.

PubMed.gov search results for "open access journals libraries". The search bar contains "open access journals libraries" and "Search". The "Filter your results" section shows "Available @ EIU (20)" selected. A callout box explains: "Filter uses SFX full text holdings. Activated from shared MyNCBI account". The results list includes "Open access to nutrition research information: a public policy debate." by Ammerman JW.

Linkout Help File available at:

<http://www.ncbi.nlm.nih.gov/books/NBK3808/>

Additional Information:

PubMed and Open URL based Services

Link Resolvers use “Open URL,” a special standardized web address, to transfer information. This FAQ provides more information on how PubMed can use link resolvers that work with Open URL.

PubMed and Open URL based Services

<http://www.ncbi.nlm.nih.gov/projects/linkout/doc/openurlfaq.shtml>

Animated tutorial on Open URL Link Resolvers and LinkOut

http://www.ncbi.nlm.nih.gov/projects/linkout/doc/viewlet/OpenURL_in_PubMed_viewlet_swf.html

Questions?

For questions about Eastern Illinois University’s implementation of SFX, Outside Tool, LinkOut Local, or the MyNCBI shared filter tab contact Stacey Knight-Davis at slknight@eiu.edu

For questions on implementing any of these services at your institution, contact lib-linkout@ncbi.nlm.nih.gov.

Adding a library icon to open access journals in PubMed

PubMed and SFX can be used together to provide a library-branded gateway to open access content.

The example below shows the Booth Library full text icon and the EIU SFX menu. The article is also marked as a Free PMC article in the citation.

The screenshot shows the PubMed website interface. At the top, there is a search bar with 'PubMed' selected and a 'Search' button. Below the search bar, the article title 'Von Willebrand factor and oxidative stress parameters in acute coronary syndromes' is displayed. The authors listed are Koprivica Z, Djordjevic D, Vuletic M, Zivkovic V, Barudzic N, Krkeljic J, and Jakovljevic V. The article is from 'Oxid Med Cell Longev. 2011;2011:918312. Epub 2011 Aug 8.' The abstract begins with 'Considering the role of von Willebrand factor (vWf) in hemostasis, and the role of oxidative stress in the development of endothelial dysfunction and atherosclerosis, our study was to investigate the relationship between vWf, platelet-derived factor, and different types of acute coronary syndromes (ACS). Levels of von Willebrand antigen (vWfAg), nitric oxide (estimated through nitrites-NO), hydrogen peroxide (H₂O₂), index of lipid peroxidation (measured by thiobarbituric acid reactive substances-TBARS), superoxide dismutase (SOD), and catalase (CAT) activity of 115 patients were compared with those of 40 healthy controls. The study had significantly higher vWfAct and vWfAg levels, as well as NO₂ (-), H₂O₂, SOD and CAT activities were lower than those of the controls. The specificity and sensitivity as a test to reveal healthy or diseased patients were lower than those of the controls. Regression analysis marked only vWfAg and TBARS as parameters that were significantly associated with ACS type. The results of our study support the implementation of these parameters into therapeutic targets, and suggest that ACS patients are candidates for antioxidant supplementation to improve their impaired antioxidant defense system.' The citation information includes PMID: 21904649 [PubMed - in process] and a 'Free PMC Article' label. A 'Find it @ EIU' window is overlaid on the page, showing the article title, source, and links to 'Full text available via Directory of Open Access Journals', 'Full text available via PubMed Central', and 'Full text available via PubMed Central Open Access'. A 'Booth Library Online Article' icon is visible in the top right corner of the PubMed page, and a 'LinkOut - more resources' button is at the bottom left. Arrows point to the 'Booth Library Online Article' icon and the 'Free PMC Article' label.

The same citation without branding.

This screenshot shows the same PubMed search results as the previous image, but without the branding. The article title 'Von Willebrand factor and oxidative stress parameters in acute coronary syndromes' and authors 'Koprivica Z, Djordjevic D, Vuletic M, Zivkovic V, Barudzic N, Andjelkovic N, Djuric D, Iric-Cupic V, Krkeljic J, Jakovljevic V.' are visible. The abstract is partially visible. The citation information includes PMID: 21904649 [PubMed - in process] and a 'FREE full text article in PubMed Central' label. The 'Related citations' section is also visible, listing other articles such as 'Adenosine deaminase enzyme activity is increased and negative [Mediators Inflamm]', 'Oxidative stress and nitric oxide related parameters in type II diabetes [Clin Biochem]', 'Nitric oxide and lipid peroxidation are increased and associated with decreased [Doc Ophthalmol]', and 'Carotid artery intima-media thickness correlates with oxidative stress [Stroke]'. A 'LinkOut - more resources' button is at the bottom left.

How It's Done:

This setup requires coordination between SFX and PubMed. At EIU, holdings are exported from SFX and submitted to PubMed monthly. Also, open access and free content providers are active targets in SFX.

The URL

By default, the link to access PubMed is:

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

The full URL used to access PubMed is as follows:

http://www.ncbi.nlm.nih.gov/pubmed?holding=eiublib_fft_ndi&otool=eiublib&myncbishare=eiublib

What the extra stuff does:

? activates the rest of the modifiers in the URL

holding=eiublib activates EIU's holdings - applies full text icon to citations with full text

_fft applies EIU icons to free and open content

_ndi suppresses publisher icons

&otool=eiublib applies default SFX icon to all citations - used for interlibrary loan

&myncbishare=eiublib uses EIU's shared MyNCBI account, activates the Available @ EIU filter