

Welcome to EMUG 2015



Reference Processing in the Modern Age

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June 19, 2015

Aries Integrated Technologies



Challenges for Authors

- Authors want to focus on research and writing – not formatting and reference checking!
- Reference formatting can be labor intensive!
- Scholarly Kitchen – Todd Carpenter 11/6/2014
 - “What concerns me is the fact that there is so much time wasted in the production process of editing references to adhere to the house style, whatever that style may be...While I appreciate and acknowledge the importance of the references, the entirely manual process of checking and formatting the references was an incredible waste of time.”

http://scholarlykitchen.sspnet.org/2014/11/06/why-are-publishers-and-editors-wasting-time-formatting-citations/?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A+ScholarlyKitchen+%28The+Scholarly+Kitchen%29

Challenges for Journals

- Journals need accurate bibliographies downstream for editing and publication
 - Which could lead to...
- Editors and staff cleaning up references
 - Which leads to....



Solution

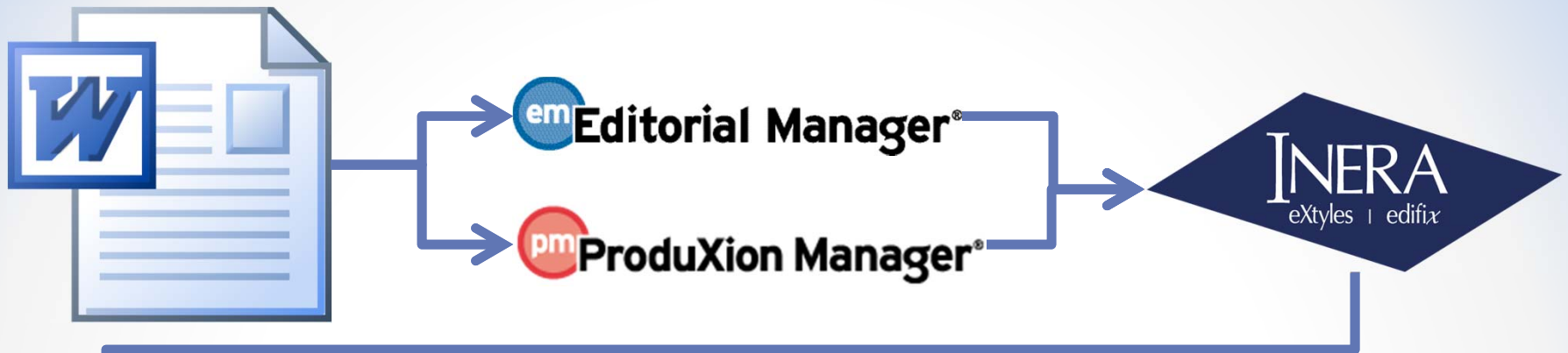
eXtypes integrated into EM/PM

Automatically extracts and links the references
from the Word file during submission
via CrossRef/PubMed

Retractions Identified

Automatically re-formats references to journal style

Automatically creates clean XML



- Linked References to PubMed/ CrossRef
- Corrected errors
- Styled References

Reference Linking

Summarized Results

1 Manuscript.doc [Download File](#)

Total Citations

- Validated and Linked
- Not Checked
- Not Validated

#	Citation	Validated	PubMed	CrossRef
1	1. Petito CK, Cho E-S, Lemann W, Navia BA, Price RW. M... acquired immunodeficiency syndrome AIDS): an autopsy... Neuropathol Exp Neurol. 1986;45(6):635-646. .			
2	2. Glass JD, Fedor H, Wesselingh SL, McArthur JC. Immu... quantitation of human immunodeficiency virus in the bra... dementia. Ann Neurol. 1995;38(5):755-762. .			
3	3. Smit TK, Wang B, Ng T, Osborne R, Brew B, Saksena... of HIV-1 isolates derived from different regions of adult... discriminate between patients with and without AIDS der... (ADC): evidence for neurotropic HIV variants. Virology. 2001;279(2):509-526. .			
4	4. Gabuzda D, Wang J. Chemokine receptors and mecha... HIV neuropathogenesis. J Neurovirol. 2000;6(Suppl 1):S21-S22.			
5	5. Bissel SJ, Wiley CA. Human immunodeficiency virus infection of the brain: pitfalls in evaluating infected/affected cell populations. Brain Pathol. 2004;14(1):97-108. .	Validated	PubMed	CrossRef
6	6. Gorry PR, Bristol G, Zack JA, et al. Macrophage tropism of human immunodeficiency virus type 1 isolates from brain and lymphoid tissues predicts neurotropism independent of coreceptor specificity. J Virol. 2001;75(21):10073-10089. .	Validated	PubMed	CrossRef
7	7. Peluso R, Haase A, Stowring L, Edwards M, Ventura P. A Trojan Horse mechanism for the spread of visna virus in monocytes. Virology. 1985;147(1):231-236.	Validated	PubMed	CrossRef

Before Linking

1. Access of Medicaid recipients to outpatient care. *N Engl J Med.* 1994;330:1426-1430.
2. Alcohol-related traffic fatalities among youth and young adults: United States, 1982-1989. *MMWR Morb Mortal Wkly Rep.* 1991;40:178-179,185-187.
3. Logan AG, Achber C, Milne BJ, Campbell WP, Haynes RB Work-Site treatment of hypertension by specially trained nurses A controlled trial *Lancet* 1979:1175-1178.
4. Banit DM, Kaufer H, Hartford JM. Intraoperative frozen section analysis in revision total joint arthroplasty. *Clin Orthop.* 2002;(401):230-8.
5. M. G. Banwell, J. R. Dupuche, *Chem. Commun.* 1996, 869.
6. T.-J. Shen et al., *Protein Eng.* **38** (1997).
7. Curcio, F., Pegoraro, I., Dello Russo, P., Falletti, E., Perrella, G., and Ceriello, A. SOD and GSH inhibit the high glucose-induced oxidative damage and the PDGF increased secretion in cultured human endothelial cells. *Thromb. Haemost.* 74: 969-973

After Linking

<jrn>1. (1994). Access of Medicaid recipients to outpatient care. *The New England Journal of Medicine*, 330, 1426–1430 doi:10.1056/NEJM199405193302007. Medline:8159198</jrn>

<jrn>2. (1991). Alcohol-related traffic fatalities among youth and young adults: United States, 1982-1989. *MMWR. Morbidity and Mortality Weekly Report*, 40, 178–179, 185-187. Medline:1900563</jrn>

<jrn>3. Logan, A. G., Achber, C., Milne, B. J., Campbell, W. P., & Haynes, R. B. (1979). Work-Site treatment of hypertension by specially trained nurses A controlled trial. *Lancet*, xxx, 1175–1178 doi:10.1016/S0140-6736(79)92397-3. Medline:91901</jrn>

<jrn>4. Banit, D. M., Kaufer, H., & Hartford, J. M. (2002). Intraoperative frozen section analysis in revision total joint arthroplasty. *Clinical Orthopaedics and Related Research*, (401), 230–238 doi:10.1097/00003086-200208000-00026. Medline:12151900</jrn>

<jrn>5. Banwell, M. G., & Dupuche, J. R. (1996). *Chemical Communications (Cambridge)*, 869.</jrn>

<jrn>6. Shen, T.-J., et al. (1997). *Protein Engineering*, 38, xxx.</jrn>

<jrn>7. Curcio, F., Pegoraro, I., Dello Russo, P., Falletti, E.,

Comment [BDR1]: CrossRef reports the author should be "The Medicaid Access Study Group" not "" in the reference 1 "Access of Medicaid recipients to, 1994".

Comment [BDR2]: The reference has no authors. Please proof carefully. (in reference 1 "Access of Medicaid recipients to, 1994").

Comment [BDR3]: The reference has no authors. Please proof carefully. (in reference 2 "Alcohol-related traffic fatalities among youth, 1991").

Comment [BDR4]: Please provide the missing volume number in this journal reference. (in reference 3 "Logan, Achber, Milne, Campbell, Haynes, 1979").

Comment [BDR5]: eXtyleS has not found a volume number in the journal reference. Please check the issue/supplement information (";(401):") and update if necessary. (in reference 4 "Banit, Kaufer, Hartford, 2002").

Comment [BDR6]: Medline cannot find the journal "Chemical Communications (Cambridge)" (in reference 5 "Banwell, Dupuche, 1996"). Please check the journal name.

Comment [BDR7]: The article title is missing from this reference. Please provide one. (in reference 5 "Banwell, Dupuche, 1996").

Comment [BDR8]: Reference has only first page number. Please provide the last page number if article is longer than one page. (in reference 5 "Banwell, Dupuche, 1996").

What does Linking do?

- References Linked to PubMed/CrossRef
- Word Doc is mark-up with edits
- Missing data added, e.g. missing page numbers
- Inaccurate data corrected, e.g. author name misspelled
- DOI added
- Retractions identified

3. Van Luit JE, Van der Molen MJ. The effectiveness of Korean number naming on insight into numbers in Dutch students with mild intellectual disabilities. *Res Dev Disabil.* 2011;32(5):1822-1828. [PMID:21498042](#)

Comment [BDR1]: Medline reports that reference 3 was retracted in "Res Dev Disabil. 2011 Nov-Dec;32(6):3018".

Clean-Up

BEFORE

3. Van Luit JE, Van der Molen MJ. The effectiveness of Korean number naming on insight into numbers in Dutch students with mild intellectual disabilities. *Res Dev Disabil.* 2011;32:1822.

AFTER

3. Van Luit JE, Van der Molen MJ. The effectiveness of Korean number naming on insight into numbers in Dutch students with mild intellectual disabilities. *Res Dev Disabil.* 2011;32(5):1822-1828. [PMID:21498042](#)

DIFFERENCE

3. ~~J.E.~~ Van Luit JE, ~~M.J.~~ Van der Molen MJ. The effectiveness of Korean number naming on insight into numbers in Dutch students with mild intellectual disabilities. *Res. Dev. Disabil.* 2011;32;~~;~~-1822-~~;~~(2011)

What does Clean-up do?

- References are formatted to the correct journal style!
- Out-of-the-box styles: *APA, AMA, Chicago, ICMJE*
- Custom journal styles available

Workflow?

- **Trigger points:**
- Submission
- Revision
- Acceptance

Other “Solutions”

- Authors required to pre-format and correct references – then linking is completed
- Authors cut & paste references into web-forms
- Reference search only



- ✓ **Authors don't have to pre-format references!**
- ✓ **Authors simply submit their Word Doc- no need for a web-form**
- ✓ **References linked!**

Live Demo

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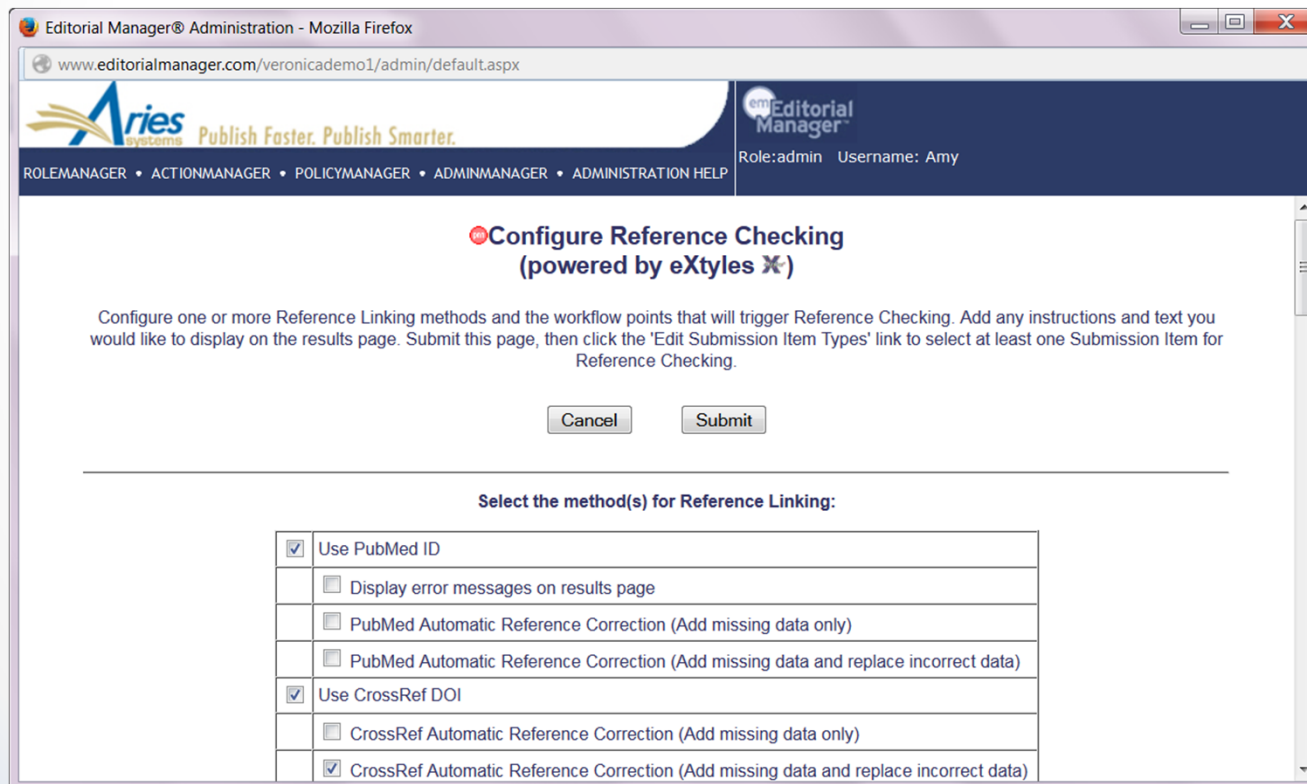
Author Submission

What a difference!

- Authors:
 - **References don't have to be pre-formatted!**
 - Instructed on what changes need to be made or corrections made automatically!
- Editors:
 - Evaluate quality of manuscripts by viewing reference linking validation and mark-up manuscript (reviewers enjoy benefit too)
 - Retractions identified
 - Accurate references for downstream systems (especially important for XML-First workflows)

Configuration - Easy

- Contact your Account Coordinator to enable first!
- System Administrator Functions
 - PolicyManager



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Configure Reference Checking (powered by eXtyle X)

Configure one or more Reference Linking methods and the workflow points that will trigger Reference Checking. Add any instructions and text you would like to display on the results page. Submit this page, then click the 'Edit Submission Item Types' link to select at least one Submission Item for Reference Checking.

Select the method(s) for Reference Linking:

<input checked="" type="checkbox"/>	Use PubMed ID
<input type="checkbox"/>	Display error messages on results page
<input type="checkbox"/>	PubMed Automatic Reference Correction (Add missing data only)
<input type="checkbox"/>	PubMed Automatic Reference Correction (Add missing data and replace incorrect data)
<input checked="" type="checkbox"/>	Use CrossRef DOI
<input type="checkbox"/>	CrossRef Automatic Reference Correction (Add missing data only)
<input checked="" type="checkbox"/>	CrossRef Automatic Reference Correction (Add missing data and replace incorrect data)

Questions?

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