

Welcome to EMUG 2014



Reference Processing

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The Problem with References....

- Authors don't follow format style
- Authors get references wrong
- Reference formatting is expensive to fix
- Correct reference formatting is a cost driver
- But journals need clean XML of the bibliography for editing and publication

The Solution?

Convince authors to use a template
that supports your journal's
reference style?



The Solution?

Convince Authors to copy and
paste their references into
structured web forms?

The Solution?

Hire human and check
references and correct
managing?

The Solution?

Automatically extract and link the bibliography from the Word file at submission. Automatically re-format references to journal style. Automatically create clean XML. All this without any Author effort.



JOURNAL B

HOME • LOGOUT • HELP • REGISTER • UPDATE MY INFORMATION • JOURNAL OVERVIEW
MAIN MENU • CONTACT US • SUBMIT A MANUSCRIPT • INSTRUCTIONS FOR AUTHORS

Submissions Waiting for Approval by Author Tony Smith

Item	Title	Status	PubMed	CrossRef
50.	Boden SD, Sumner DR. Biologic factors affecting spinal fusion and bone regeneration. Spine. 1995;20(24)(24S):1025-1125.	Validated	PubMed	CrossRef
51.	Liu Y, Hair G, Titus L, Nanes MS, Boden SD. BMP-6 induces a novel LIM protein involved in bone mineralization and osteocalcin secretion. J Bone Miner Res. 1997;12(Supplement 1):S115.	Not Validated	NOT_FOUND	
52.	Dawid IB, Breen JJ, Toyama R. LIM domains: multiple roles as adapters and functional modifiers in protein interactions. Trends Genet. 1998;14(4):156-162.	Validated	PubMed	CrossRef
53.	Smith AE. Viral vectors in gene therapy. Annu Rev Microbiol. 1995;49(1):807-838.	Validated	PubMed	CrossRef
54.	Wagner E, Zenke M, Cotten M, Beug H, Birnstiel ML. Transferrin-polycation conjugates as carriers for DNA uptake into cells. Proc Natl Acad Sci USA. 1990;87(9):3410-3414.	Validated	PubMed	CrossRef
55.	Baltzer AWA, Lattermann C, Whalen JD, Braunstein S, Robbins PD, Evans CH. A gene therapy approach to accelerating bone healing. Evaluation of gene expression in a New Zealand white rabbit model. Knee Surg Sports Traumatol Arthrosc. 1999;7(3):197-202.	Validated	PubMed	CrossRef
56.	Guzman RJ, Hirschowitz EA, Brody SL, Crystal RG, Epstein SE, Finkel R. In vivo suppression of injury-induced vascular smooth muscle cell accumulation using adenovirus-mediated transfer of the herpes simplex virus thymidine kinase gene. Proc Natl Acad Sci USA. 1994;91(22):10732-10736.	Validated	PubMed	CrossRef
57.	Watanabe T, Kelsey L, Agelton A, et al. Enhancement of adenovirus-mediated gene transfer to human bone marrow cells. Leuk Lymphoma. 1998;29(5-6):439-451.	Validated	PubMed	CrossRef
58.	Xiao W, Berta SC, Lu MM, Mosconi AD, Tazelaar J, Wilson JM. Adeno-associated virus as a vector for liver-directed gene therapy. J Virol. 1998;72(12):10222-10226.	Validated	PubMed	
59.	Blomer U, Naldini L, Kafri T, Trono D, Verma IM, Gage FH. Highly efficient and sustained gene transfer in adult neurons with a lentivirus vector. J Virol. 1997;71(9):6641-6649.	Validated	PubMed	
60.	Goldman MJ, Lee PS, Yang JS, Wilson JM. Lentiviral vectors for gene therapy of cystic fibrosis. Hum Gene Ther. 1997;10(18):2261-2268.	Validated	PubMed	CrossRef
61.	Boden SD, Liu Y, Hair GA, et al. LMP-1, A LIM-domain protein, mediates BMP-6 effects on bone formation. Endocrinology. 1998;139(12):5125-5134.	Validated	PubMed	CrossRef
62.	Boden SD, Titus L, Hair G, et al. 1998 Volvo Award in Basic Sciences: Lumbar spine fusion by local gene therapy with a cDNA encoding a novel osteoinductive protein (LMP-1). Spine. 1998;23(23):2486-2492.	Validated	PubMed	CrossRef
63.	Viggeswarapu M, Boden SD, Liu Y, et al. Adenoviral delivery of LIM mineralization protein-1 induces new-bone formation in vitro and in	Validated	PubMed	

Examples of formatting and auto-correction

BEFORE

- (15) Brodsky AE, Kovalsky ES, Khalil MA. Correlation of radiographic assessment of lumbar spine fusions with surgical exploration. *Spine* 1991; 16:S261-S265.

AFTER

15. Brodsky AE, Kovalsky ES, Khalil MA. Correlation of radiologic assessment of lumbar spine fusions with surgical exploration. *Spine*. 1991;16(6)(suppl):S261-S265. <http://dx.doi.org/10.1097/00007632-199106001-00017>. PMID:1862422.

DIFFERENCE

- (15). Brodsky AE, Kovalsky ES, Khalil MA. Correlation of ~~radiographic~~ radiologic assessment of lumbar spine fusions with surgical exploration. *Spine*. 1991; 16(6)(suppl):S261-S265.

Examples of formatting and auto-correction

BEFORE

(24) Ozkaynak E, Rueger DC, Drier EA, Corbett C, Ridge RJ, Sampath TK et al. OP-1 cDNA encodes an osteogenic protein in the TGF-b family. Eur Mol Biol Organ J 1990; 9:2085-2093.

AFTER

24. Ozkaynak E, Rueger DC, Drier EA, et al. OP-1 cDNA encodes an osteogenic protein in the TGF-beta family. *EMBO J*. 1990;9(7):2085-2093. [PMID:2357959](#).

DIFFERENCE

~~(24)~~. Ozkaynak E, Rueger DC, Drier EA, ~~Corbett C, Ridge RJ, Sampath TK~~ et al. OP-1 cDNA encodes an osteogenic protein in the TGF-~~b~~-beta family. ~~Eur~~ EMBO ~~Mol Biol Organ~~ J. 1990; ~~9~~(7):2085-2093.

Examples of formatting and auto-correction

BEFORE

(32) Jeppsson C, Saveland H, Rydholm U, Aspenberg P. OP-1 for cervical spine fusion: bridging bone in only 1 of 4 rheumatoid patients but prednisolone did not inhibit bone induction in rats. *Acta Orthopaedica Scandinavia* 1999; 70(6):559-563.

AFTER

32. Jeppsson C, Säveland H, Rydholm U, Aspenberg P. OP-1 for cervical spine fusion: bridging bone in only 1 of 4 rheumatoid patients but prednisolone did not inhibit bone induction in rats. *Acta Orthop Scand*. 1999;70(6):559-563. <http://dx.doi.org/10.3109/17453679908997842>. PMID:10665719.

DIFFERENCE

~~(32)~~. Jeppsson C, ~~Saveland~~ Säveland H, Rydholm U, Aspenberg P. OP-1 for cervical spine fusion: bridging bone in only 1 of 4 rheumatoid patients but prednisolone did not inhibit bone induction in rats. *Acta-Orthopaedica Scandinavia* Orthop Scand. 1999;-70(6):559-563.

Examples of formatting and auto-correction

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- (41) Lieberman JR, Daluiski A, Stevenson S, Wu L, McAllister P, Lee YP et al. The effect of regional gene therapy with bone morphogenetic protein-2-producing bone-marrow cells on repair of segmental femoral defects in rats. *J Bone Joint Surg* 1999; 81-A:905-917.

AFTER

41. Lieberman JR, Daluiski A, Stevenson S, et al. The effect of regional gene therapy with bone morphogenetic protein-2-producing bone-marrow cells on the repair of segmental femoral defects in rats. *J Bone Joint Surg Am.* 1999;81(7):905-917. [PMID:10428121](#).

DIFFERENCE

- ~~(41)~~. Lieberman JR, Daluiski A, Stevenson S, ~~Wu L, McAllister P, Lee YP~~ et al. The effect of regional gene therapy with bone morphogenetic protein-2-producing bone-marrow cells on the repair of segmental femoral defects in rats. *J Bone Joint Surg Am.* 1999; ~~81-A~~(7):905-917.

Examples of formatting and auto-correction

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)~~

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".

Summary of Benefits

- Significant cost savings by catching and solving reference problems early in the workflow
- No additional effort for Authors
- Linked, formatted references help Editors and Reviewers do their job of evaluating manuscript quality
- Essential component in future XML-first and online proofing workflows

This solution not waiting to be invented – it's available right now in EM!

THANK YOU!

Bruce Rosenblum
CEO Inera Inc.

