PUBLISHING LIVING SYSTEMATIC REVIEWS

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F1000: OPEN SCIENCE PUBLISHING

Immediate & transparent publishing:

- 7 days to publish
- Includes underlying data and code
- No editorial bias
- Open *invited* peer review referees named and reports published
- Author-led, no Editors making decisions
- Versioning
- Indexed in PubMed, Scopus etc



The Publishing Process



ARTICLE WHEN FIRST PUBLISHED



ARTICLE AFTER PEER REVIEW



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LSR – HOW COULD 'TRADITIONAL' JOURNALS KEEP UP-TO-DATE

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ticle	Abstract	Tal Golan, Ido Davide	iesco, Meir Meshulam, David M Groppe, Pierre Mégevand, Erin M Yeagle, Matthew S Goldfinger, Michal Harel, Lucia Melloni s			
gures and data	A key hallmark of visual perceptual awareness is robu	The Hebrew University of Feinstein Institute for M	of Jerusalem, Israel; New York University, United States; Weizmann Institute of Science, Israel; Hofstra Northwell School of Medicine, United Stat Medical Research, United States; Max Planck Institute for Brain Research, Germany; School of Medicine, New York University, United States; Coh			
de by side	unnoticeable eye and eyelid movements. In previous h (Golan et al. 2016) we found that excitatory broadban	University College of Physicians and Surgeons, United States; Nathan Kline Institute, United States see all a				
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	neurosurgical patients to test whether a similar stabili		MMENTS 0 CITE A5: «U/« 2016;5:«17243 DOI:: 10.7554/«U/			
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		Article	Abstract			
		Figures and data	We hardly notice our eye blinks, yet an externally generated retinal interruption of a Increasing suppression o			
		Side by side	similar duration is perceptually salient. We examined the neural correlates of this saccade-related transient perceptual distinction using intracranially measured ECoG signals from the human visual along the human visual			
		Jump to	cortex in 14 patients. In early visual areas (V1 and V2), the disappearance of the stimulus hierarchy			
			activity level, followed by a positive overshoot beyond baseline, triggered by stimulus reannearance. Ascendin the visual hierarchy. the reannearance-related overshoot			
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THREADED PUBLICATIONS

EDITORIAL OPEN ACCESS

Linked publications from a single trial: a thread of evidence

Douglas G Altman, Curt D Furberg, Jeremy M Grimshaw and Daniel R Shanahan 📾

Trials 2014 15:369 https://doi.org/10.1186/1745-6215-15-369 © Altman et al.; licensee BioMed Central Ltd. 2014

situation is further complicated by the ever-growing body of literature. A single clinical trial can result in multiple publications: the study protocol and traditional results paper or papers, as well as commentaries, secondary analyses and, eventually, systematic reviews, among others [8].



REPURPOSING ERRATA/RETRACTION SYSTEM

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🔊 Trials				
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STUDY PROTOCOL OPEN ACCESS OPEN PEE Format: Abstr	ract 👻		Send to -	
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Ze-Huai Wen ≅, Mei-Ling Xuan ≅, Yu-Hong Y Wen ZH, Xuan I Chuan-Jian Lu ≅ ⊕ Author inf	<u>ML, Yan YH, Li XY, Yao DN, Li G, Guo XF, Ou AH, Lu CJ</u> formation	1		
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F1000 APPROACH TO LIVING PUBLICATIONS

Image: Construction of the paper field	Wellcome Open Research BROWSE HOW TO PUBLISH ~ /	ABOUT Y BLOG	C SUBMIT YOUR RE	ESEARCH	MY ACCOUNT ~	Q SIGN IN
 Author Author Update Systematic Reviews as new trials come in – no need to rewrite introduction etc Abst Keep Guidelines up to date – fast & simple process Rapid peer review feedback on Protocols before start the study Protocols can be updated and re-reviewed as amend search strings (gRNA) and digestion of a large to increase the efficiency of this to cone the sgRNA without rest (nouseothricin) selection market the sgRNA and the primers reapreparation of G1-synchronized transformations, and may also fa aromach we have successfully 	METHOD ARTICLE (UPDATE) A CRISPR/Cas9-based tool for seamless genome edi [version 3; referees: 2 approve Marie	Check for updates method and primer design iting in fission yeast ed]	NETRICS 1722 VIEWS	Open Pe Referee Stat	eer Review us:	
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TRACKING VERSIONING



REGULARLY UPDATED FIGURES

From Dinas et al, 2017: https://f1000research.com/articles/6-286/v2

	Random sequence generation	Allocation concealment	Blinding of participants and researchers	Blinding of outcome assessment	Incomplete outcome data	Selective reporting	Other blas
			RCT	s			
Bang, 2014	+	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -			+	+	
Greulich, 2014	+	+	-	+	+	+	+
reulich, 2014a	+	+	÷.	?	+	+	+
Hecksteden, 2013	+	+	1999 - 1999 -	+	+	+	+
le 2. Risk of bia	s assessment usin	g the Cochrane Collab	oration's tool.				
w risk of blas: -: H	igh risk of blas: ?: Unc	lear risk of bias; RCT: Rand	lomised controlled trials; C	T: Controlled trials; SGS: S	ingle group design studies	: CSS: Cross section	al studies.

Can update date even if no new data to add.

If there is new data, can add it to the table/figure, with date added. If changes conclusions, can publish a new article version.

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LIVING FIGURES

https://f1000research.com/articles/3-176/v2



POSSIBLE WORKFLOW



CONCLUSIONS

- There are existing mechanisms that can be repurposed by traditional journals to link updates & cross-publisher
- The technology is now available to update through versioning and living elements within articles that
 - o minimise time/effort for authors & reviewers
 - o enable timely updates
 - o retain archival record
 - o ensure transparency of changes across all major sites
- This brings new questions such as:
 - when does/should an update become a new article?
 - o giving authors credit for multiple updates vs new articles
 - would reviewers keep reviewing again over long time period?
 - o should fresh reviewers be sought after time for new perspective

QUESTIONS





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