



Securing Trust & Transparency in Peer Review

Adam Etkin, Founder and Managing Director

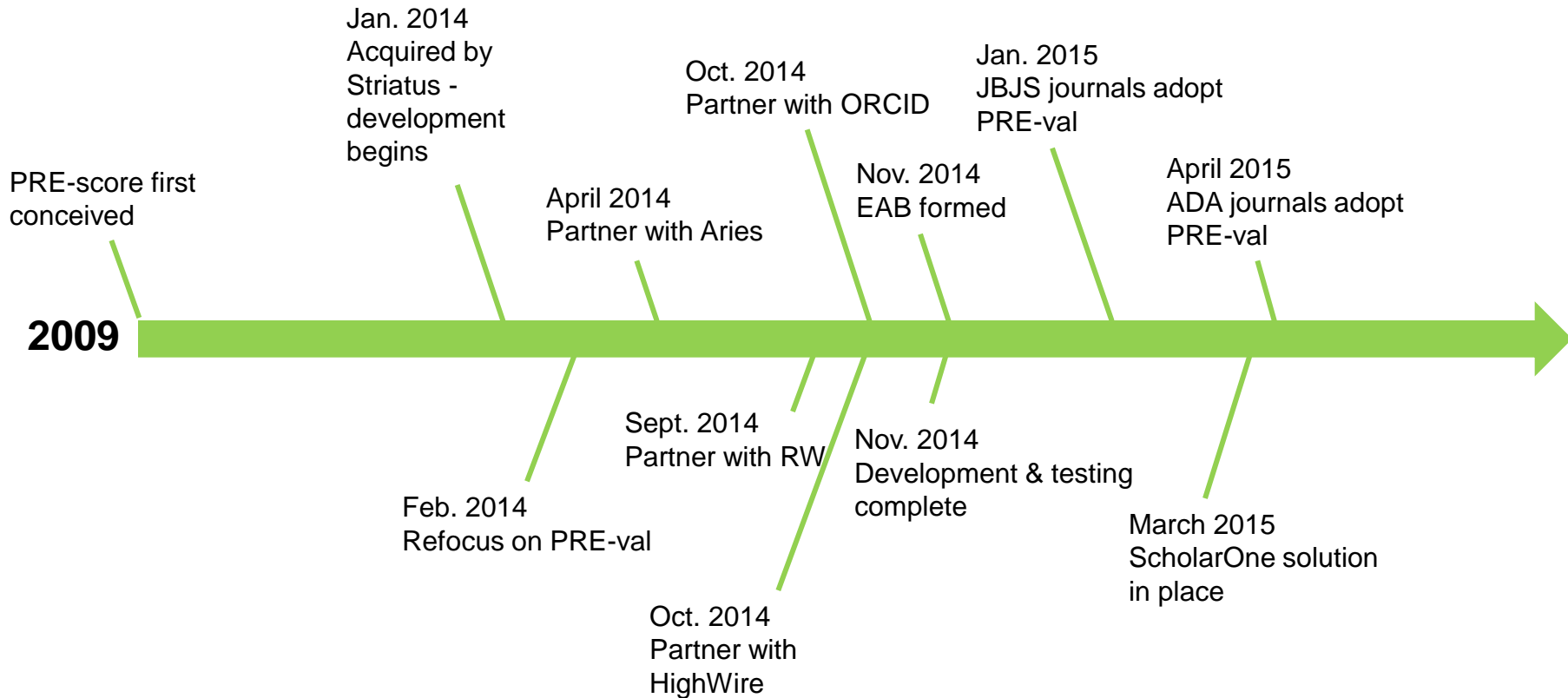
Eric Hall, Director of Business Development

<http://pre-val.org/>

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Academic journal retracts articles over 'peer review ring' with bogus scholars

Journal of Vibration and Control says 60 articles published over last four years cited academics with 'assumed identities'

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Home > Science Magazine > 4 October 2013 > Bohannon, 342 (6154): 60-65

Article Views

- Summary
- Full Text
- Full Text (PDF)
- Data and Documents
- Podcast Interview

Science 4 October 2013:
Vol. 342 no. 6154 pp. 60-65
DOI: 10.1126/science.342.6154.60

< Prev | Table of Contents | Next >

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NEWS

Who's Afraid of Peer Review?

John Bohannon

Publisher discovers 50 manuscripts involving fake peer reviewers

with 24 comments

BioMed Central has uncovered about fifty manuscripts in their editorial system that involved fake peer reviewers, Retraction Watch has learned.



SCIENCE & THE PUBLIC
LATEST
SCIENCE ILLUSTRATED
Solar explosion forms 'Canyon of Fire'
BY ANDREW ORANT
NOVEMBER 17, 2013

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Publishers withdraw more than 120 gibberish papers

Conference proceedings removed from subscription databases after scientist reveals that they were computer-generated.

For Sale: "Your Name Here" in a Prestigious Science Journal

An investigation into some scientific papers finds worrying irregularities

December 17, 2014 | By Charles Seife



Current perception of peer review...

Science's Big Scandal: even legitimate publishers are faking peer review

Slate, April 2015

Academic Journals: The Most Profitable, Obsolete Technology in History.

Huffington Post, December 2014

This is What Happens When No one Proofreads a Paper.

Slate, November 2014

The Corruption of Peer Review is Harming Scientific Integrity. Wall Street

Journal, July 2014

Academic Fraudsters Put Publishers' Worth in Spotlight.

Financial Times, July 2014

Is the Peer Review Process for Scientific Papers Broken?

Time Magazine, April 2014



Peer review surveys

Still the cornerstone of scholarly communication, but could use some work...

Almost all researchers (**91%**) believe that their last paper was improved as a result of peer review

93% of science authors consider quality of peer review when deciding where to publish

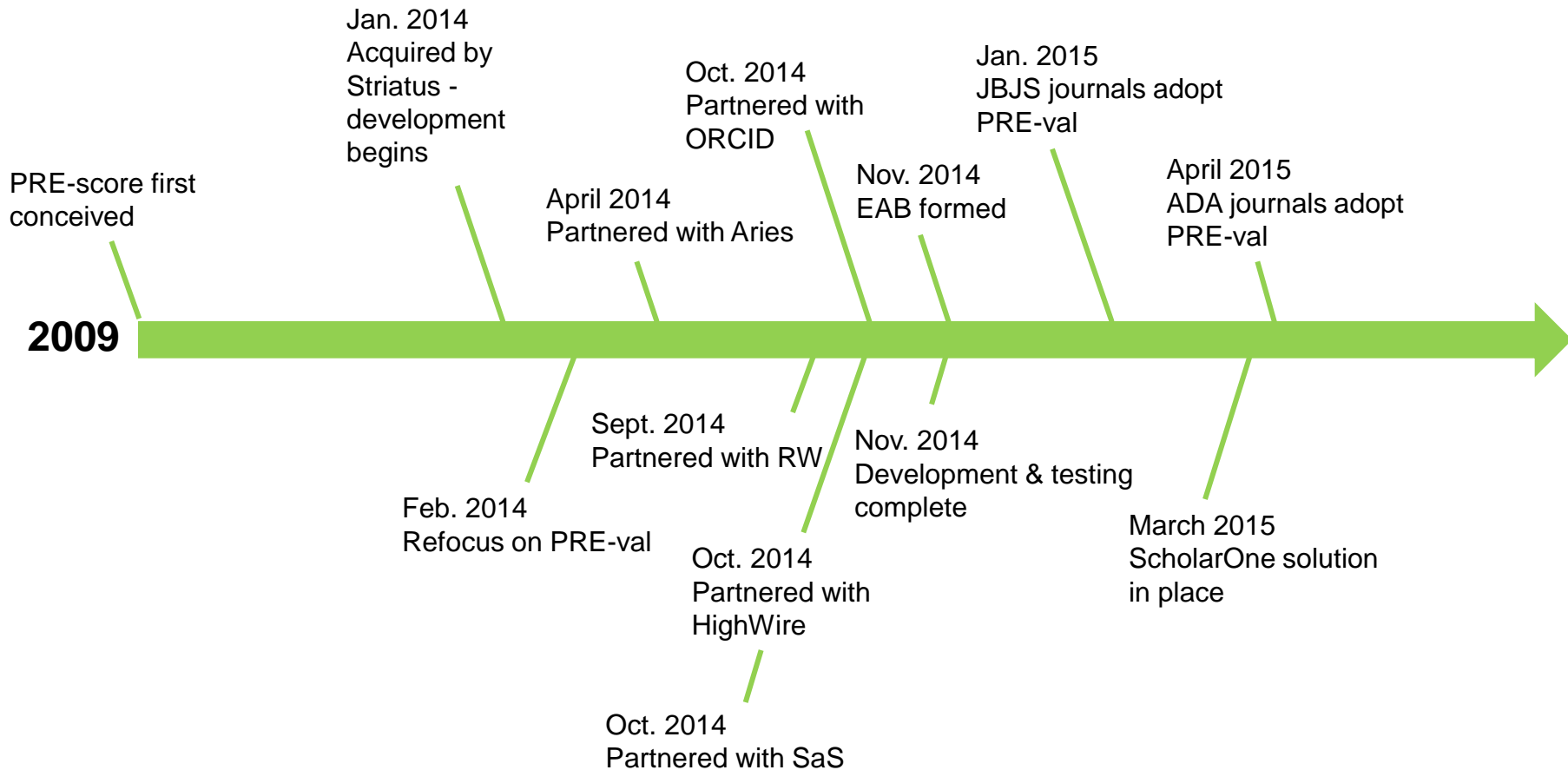
Most (**84%**) believe that without peer review there would be no control in scientific communication

78% of OA authors prefer traditional, rigorous peer review

Most (**69%**) researchers are satisfied with the current system of peer review but only a third think that the current system is the best we can do



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Overview of PRE-val

PRE-val is the only service to provide independent, third-party verification of the peer review process at the journal and article level.

PRE-val leverages metadata provided directly from the manuscript tracking system (ScholarOne, Ed. Manager, etc.) to:

1. Confirm that a paper has undergone peer review in the manner advertised
2. Parse and display information related to the peer review process

Confirmation is provided and information is displayed via the PRE-val badge





Demo

<http://jbjs.org/content/97/7/544>

<http://diabetes.diabetesjournals.org/content/current>

http://www.preval.org/demo/ada_63_7/diabetes.diabetesjournals.org/content/63/7/2196.html



« Previous | Next Article »
Table of Contents

Elevated S-Adenosylhomocysteine Alters Adipocyte Factor 1 Expression and Adipogenic Marks



Sherry Ngo¹, Xiaoling Li, Renelle O'Neill, Chandrakanth Bhoothpur, Peter Gluckman and Allan Sheppard

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Abstract

Maternal deficiencies in micronutrients affecting one-carbon metabolism before and during pregnancy can influence metabolic status and the degree of insulin resistance and obesity of the progeny in adulthood. Notably, maternal and progeny plasma S-adenosylhomocysteine (SAH) levels are both elevated after vitamin deficiency in pregnancy. Therefore, we investigated whether this key one-carbon cycle intermediate directly affects adipocyte differentiation and function. We found that expansion and differentiation of murine 3T3-L1 preadipocytes in the presence of SAH impaired both basal and induced glucose uptake as well as lipolysis compared with untreated controls. SAH did not alter preadipocyte factor 1

This Article

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Diabetes July 2014 vol. 63 no. 7 2273-2283

Abstract **Free**
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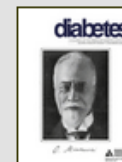
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Info about peer review process:

- Rounds of review
- Roles participating
- Method of review

Other measures of screening quality:

- COPE member?
- Plagiarism screening?
- Use of ORCID?

Optional info:

- Reviewer comments
- Reviewer names

PRE·val
Peer Review Evaluation

JBJS The Journal of Bone & Joint Surgery

Peer Review Details DOI: 10.2106/JBJS.M.00862

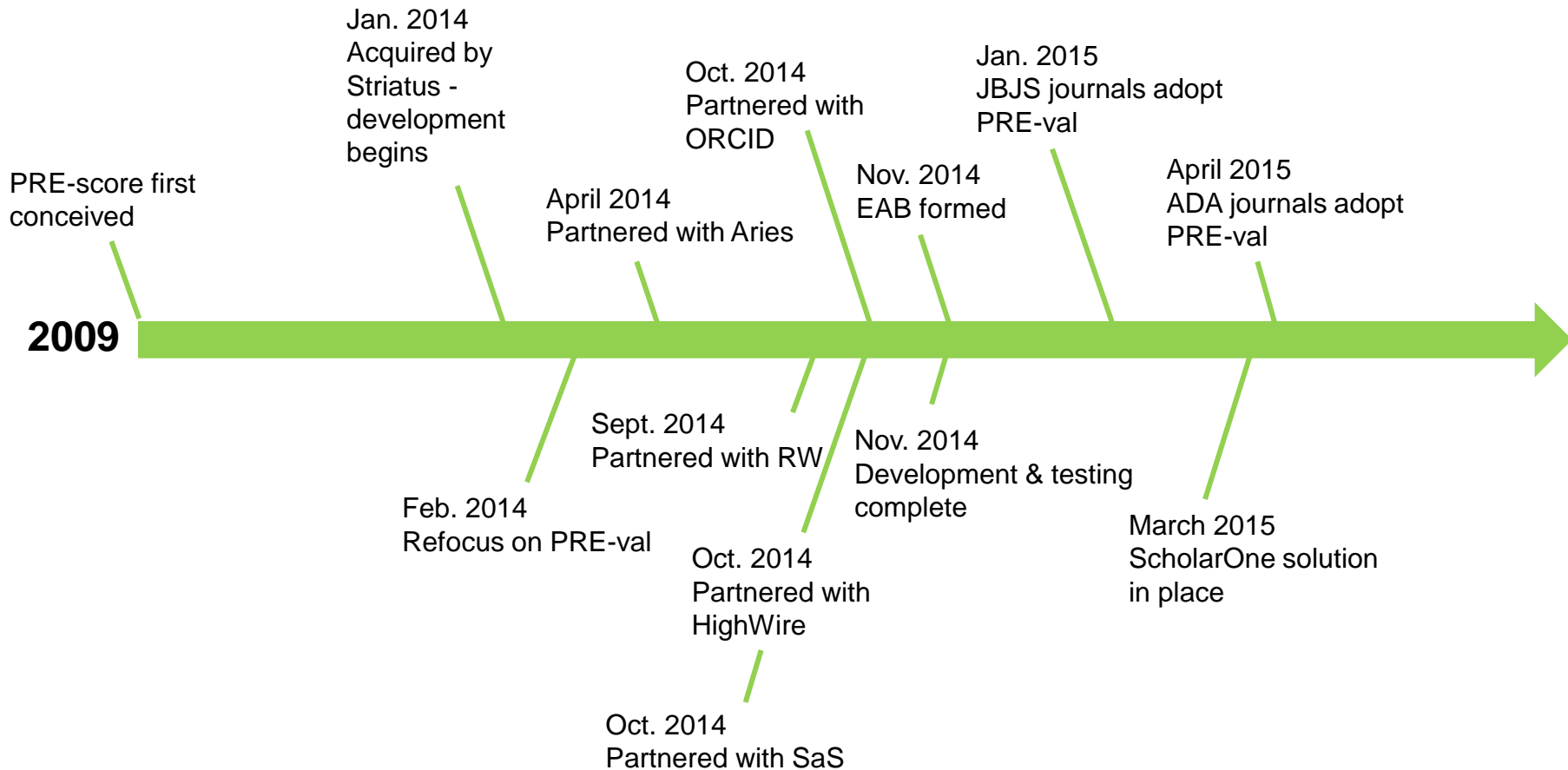
■ Method of review: Double-Blind http://jbjs.org/content/jbjs-consultant-reviewer-guidelines	Roles who reviewed
■ Rounds of review prior to acceptance: 3	Editor In Chief: 1
■ Article screened for plagiarism prior to acceptance?: YES	Deputy Editor: 1
■ Date of original submission: 2013-05-29	Statistics Editor: 1
■ Date accepted: 2013-11-12	Reviewer: 3

This journal adheres to guidelines provided by the following organizations and employs services which reflect best practices in scholarly publishing.

✓ ✓ ✓ ✓



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Looking ahead...

- Work closely with Expert Advisory Board to ensure PRE continues to meet needs of community
- Continue to work with ORCID to combat identity theft and peer review rings
- Collaborate with Sense about Science and others to improve education and training
- Serve a role in validating reviewer activity for deans and tenure boards
- Work with PEERE and others to drive scientific understanding and establish minimum standard
- Continue to explore PRE-score with help of EAB and Early Adopters



Thank You!

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<http://pre-val.org>

@PeerReviewEval