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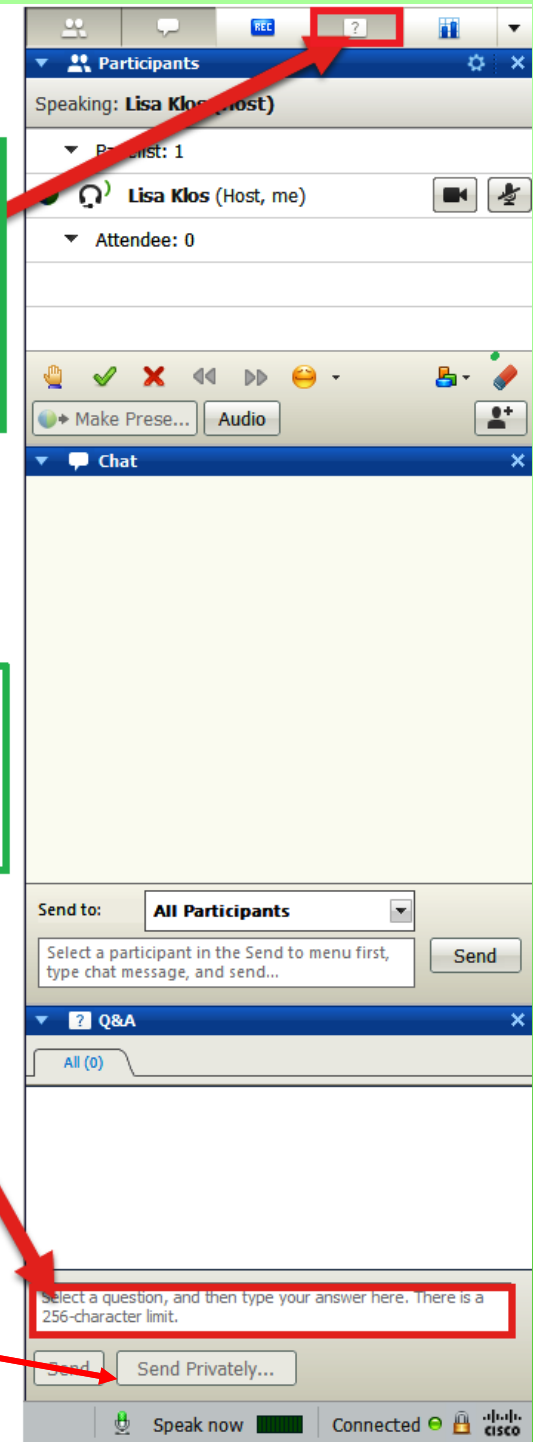
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The background features a stylized, abstract design. A large green shape, resembling a profile of a head, occupies the upper left. To its right is a blue area with a hexagonal pattern. Below these is a large orange shape, also with a hexagonal pattern, which appears to be a continuation or a different layer of the design. The bottom left corner is a solid blue area.

PREDATORY JOURNALS AND THE THREAT TO SCHOLARLY PUBLICATION: IMPACT ON MEDICAL PUBLICATIONS

INTRODUCTIONS

- **Speaker: Jeffrey Beall** is the Scholarly Communications Librarian and Associate Professor at the University of Colorado Denver. His work includes informing the scholarly community regarding new and evolving aspects of scholarly communication, including open-access publishing, author and publisher misconduct, and scholarly publishing ethics. Jeffrey's research and writing has been published in many scholarly publications, including *The Journal of Academic Librarianship*, *Cataloging & Classification Quarterly*, *College & Research Libraries*, and *Nature*. Jeffrey operates [Scholarly Open Access](http://people.auraria.edu/jeffrey_beall/), which highlight lists of predatory journals/publishers, misleading metrics companies, and hijacked journals. He began his library career at Harvard University, and earned his MS-Library Science from the University of North Carolina.

INTRODUCTIONS

- **Moderator: Neil Adams** has worked in medical publishing for over 15 years at companies such as John Wiley & Sons, Springer Science & Business Media and Informa Healthcare. He currently serves as publishing manager for the Pharma Solutions division of Nature Publishing Group (NPG), where he works with pharmaceutical and medical communications companies, lead investigators and medical journal editors to publish clinical studies in NPG journals. Neil is an active member of ISMPP, currently serving on its ISMPP U committee. He has also served as a faculty member for workshops at past Annual and European Meetings of ISMPP.

JEFFREY BEALL'S CONFLICTS OF INTEREST

- I have no conflicts of interest to declare.

DISCLOSURES

- Information presented reflects the personal knowledge and opinion of the presenters and does not represent the position of their current or past employers or the position of ISMPP

TODAY'S OBJECTIVES

By the end of this session, participants of this webinar should be able to:

- Understand key attributes of current publication models and features in order to differentiate between sanctioned and predatory journals/publishers (subscription, open access)
- Define predatory publishers and understand how they operate (mimicry, spam, bogus peer review, lack of transparency, use of deception, non-adherence to industry standard practice)
- Establish a personal history of predatory publishers (list of publishers and journals), to avoid being ensnared by a predatory journal/publisher in future
 - Case vignette: fraudulent science, published in a predatory journal having a non-validated impact factor: impact on pharmaceutical company sponsored medical publication and research efforts.

TODAY'S OBJECTIVES, CONT'D

- Appreciate why predatory journals are a problem (i.e, author misconduct, junk science, demarcation from true science, problems of taxonomy, fraudulent impact factors, hijacking of legitimate journals).
- Understand the derivation and contents of the Beall's list (blacklist) vs white lists as documented in Directory of Open Access Journals (DOAJ) and other sources
- Integrate information on predatory publishing with respect to the evolution of peer review.

PREDATORY JOURNALS AND THE THREAT TO SCHOLARLY PUBLICATION: IMPACT ON MEDICAL PUBLICATIONS

Jeffrey Beall, University of Colorado Denver

Moderator: Neil Adams, Nature Publishing
Group

PUBLISHING MODELS FOR SCHOLARLY JOURNALS: A REVIEW

- Traditional (subscription) model
- Platinum open-access = free to author, free to reader
- Delayed open access = subscription model but OA after some time
- Gold open access = free to reader, author pays a fee



Graffiti concept from Kirby (2012).

PREDATORY PUBLISHERS AND JOURNALS

- Predatory publishers (journals) are those that exploit the gold open-access model for their own profit
- They take advantage of, exploit, and pander to scholarly authors
- They pretend to be legitimate, copying established and respected journals' websites and practices
- Many do a poor or fake peer review
- Some name themselves as "Institutes," "Associations," or "Centers"
- Some operate as single mega-journals

SPAM EMAIL EXAMPLE (1/2)

(IJTR - ISSN 2320 –5547)

Impact Factor 1.3064

Invites original research paper in all Engineering Discipline subjects for

Volume-3, ISSUE-5, August – September 2015

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*(Click new submission to upload your paper by following the instruction)
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SPAM EMAIL EXAMPLE (2/2)

Deadline for submitting manuscript: 15th September 2015

Review result: within 7 days of submission

Publication of Vol. 3, Issue 5 : 30th September 2015.

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QUESTIONABLE JOURNAL EXAMPLE



EUROPEAN JOURNAL PHARMACEUTICAL AND MEDICAL RESEARCH

An International Peer Review Journal for Pharmaceutical, Medical & Biological Sciences

if Pharmaceutical and Medical Research (EJPMR) has indexed with various reputed internat

ISSN 2394- 3211

IMPACT FACTOR: 2.026

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HISTORY OF PREDATORY PUBLISHERS

- I first started to receive spam email solicitations from publishers in 2008 and 2009
- My first publication about a predatory publisher was in 2009
- I coined the term "predatory publisher" in summer 2010
- I started my current blog in early 2012
- The blog includes four lists, including questionable publishers and questionable standalone journals
- Blacklists versus whitelists for scholarly journals

BREAKDOWN OF RESEARCH CULTURES

- Many have earned tenure and promotion through easy articles in predatory journals
- The role of merit in academic evaluation is disappearing
- Corrupt journals only care about their revenue
- Never before has so much pseudo-science been published that looks like real science
- Some academic databases are filled with junk science P(B1)
- Many researchers now expect cheap, easy, and fast publishing

Slide 20

P(B1

suggest adding a comment that it is not possible to distinguish good science that was naively submitted to and published in a predatory journal from the junk science

Pomerantz, Dr., Kenneth (MED) BIP-US-R, 8/30/2015

HOW PREDATORY PUBLISHERS DAMAGE SCIENCE

(1/3)

- They've increased published research misconduct, such as plagiarism
- They threaten demarcation, the division between science and pseudo-science, the cumulative nature of research
- They feed bogus research to societal institutions that depend on authentic science

HOW PREDATORY PUBLISHERS DAMAGE SCIENCE (2/3)

Retraction Watch

Tracking retractions as

Paper cited by New York Times for key stat gets retracted

without comments

A paper that had served as the key aspect of an April *New York Times* article about a [recent surge of violence against immigrants in South Africa](#) has since been [retracted for plagiarism](#).

The research, which appeared in the *Mediterranean Journal of Social Sciences*, had served as the source of the newspaper's statement that the country is "[home to about five million immigrants](#)." That figure was later quoted in other media outlets about the issue.



However, a [2011 census put the number closer to 2.2 million immigrants](#), according to the non-profit fact-checking organization [Africa Check](#). After issuing a [report about the discrepancy](#), which also quotes experts who say the numbers are unlikely to have doubled by 2015, Africa Check contacted the *Times*. As Africa Check reports:

“ Following the release of this report we wrote to The New York Times to seek a correction. The paper replied saying that they were “confident that no correction is required”.

In a [followup report](#), Africa Check said an assistant to the senior editor for standards sent the journal article that served as the basis for the *New York Times*'s five million figure: "[Factors Determining International Migrants' Involvement in Illegal Trade in South Africa](#)," published in 2014 in the *Mediterranean Journal of Social Sciences*.

The journal is published by the Mediterranean Center of Social and Educational Research, which made the list of Jeffrey Beall's "[potential, possible, or probable predatory scholarly open-access publishers](#)."

HOW PREDATORY PUBLISHERS DAMAGE SCIENCE

(3/3)

- They are polluting taxonomy
- Many also sponsor bogus scholarly conferences
- Pharmaceutical entrepreneurs are using predatory publishers to make invented compounds appear efficacious
- Author fees may prevent some authors from being able to publish their work, especially in middle-income countries and for unaffiliated researchers

PSEUDO-SCIENCE EXAMPLE

Entropy **2012**, *14*, 2227–2253; doi:10.3390/e14112227

OPEN ACCESS

entropy

ISSN 1099-4300

www.mdpi.com/journal/entropy

Review

Empirical Data Confirm Autism Symptoms Related to Aluminum and Acetaminophen Exposure

Stephanie Seneff^{1,*}, Robert M. Davidson² and Jingjing Liu¹

¹ Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology, Cambridge, MA 02139, USA; E-Mail: jingl@csail.mit.edu (J.L.)

PSEUDO-SCIENCE EXAMPLE (2)



Scientific Research
An Academic Publisher

OPEN  ACCESS

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OJPed> Vol.3 No.4, December 2013



86

Open  Access

Changes in confirmed plus borderline cases of congenital hypothyroidism in California as a function of environmental fallout from the Fukushima nuclear meltdown

 [Download as PDF](#) (Size:157KB) [HTML](#) PP. 370-376

DOI: 10.4236/ojped.2013.34067 **5,017** Downloads **15,403** Views [Citations](#)

Author(s) [Leave a comment](#)

Joseph Mangano, Janette Sherman, Christopher Busby

BIO-MEDICAL PSEUDO-SCIENCE

- Ayurveda
- Reiki
- Accupuncture
- Homeopathy ?



AUTHOR FEES ARE A BARRIER TO PUBLISHING

Publish or Perish, and Pay—The New Paradigm of Open-Access Journals

Stephanie Tzarnas, BA and Chris D. Tzarnas, MD

Mercy Catholic Medical Center, Philadelphia, Pennsylvania

[J Surg Educ.](#) 2015 Mar-Apr;72(2):283-5. doi: 10.1016/j.jsurg.2014.09.006

Researchers Outside APC-Financed Open Access Implications for Scholars Without a Paying Institution

[Jørgen Burchardt](#)

DOI: 10.1177/2158244014551714 Published 23 October 2014

SAGE Open October-December 2014: 1– 11 DOI: 10.1177/2158244014551714

Introduction

Many South African researchers are unfortunately encountering open access for the first time in negative terms: through expensive article-processing charges (APCs), through the inaccurate definition of gold open access

Czerniewicz L, Goodier S. S Afr J Sci. 2014;110(9/10), Art. #2014-0111, <http://dx.doi.org/10.1590/sajs.2014/20140111>

LETTER TO THE EDITOR

Open Access Journals: Open for Rich, Closed for Poor

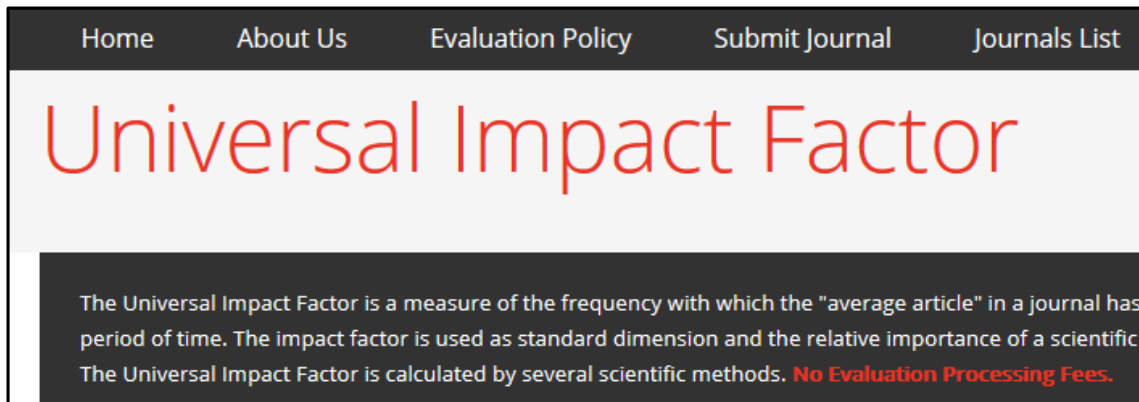
Sir,

Since the past two decades, the scientific journal publishing has undergone a radical revolution

J Coll Physicians Surgeons Pakistan 2014,
Vol. 24 (8): 611

RELATED SCAMS

- Fake impact factor suppliers
- Paper mills / article brokers



HIJACKED JOURNALS

SAUSSUREA

Multidisciplinary International Peer Reviewed Journal

Impact Factor = 0.51



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ABOUT JOURNAL

SEARCH

Welcome Note by Chief Editor

Société Botanique de Genève

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Société

Activités

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Liens

[Accueil](#) > Publications de la Société botanique de Genève

Liste des publications de la Société botanique de Genève



Saussurea est le journal de la Société botanique de Genève.

Il comporte les rubriques suivantes :

- **Notre Société** : relate la vie de la Société botanique de Genève.
- **Presse** : présente les nouvelles régionales et internationales sur la botanique
- **Découverte** : articles de vulgarisation scientifique.
- **Synthèse** : décrit un thème de recherche en permettant de comprendre son contexte et ses enjeux.
- **Recherche** : articles scientifiques originaux et expertisés dans le domaine de la botanique et de la mycologie.
- **Pratique** : fournit des informations pratiques sur des livres, des sites web, des associations, etc.
- **Agenda** : calendrier des principales manifestations botaniques locales et régionales.

THE STIGMA OF PREDATORY PUBLISHERS

- Publishing an article in a predatory journal can harm a researcher's reputation
- Membership on a predatory journal's editorial board reflects poorly on the individual and his or her institution
- Articles published in legitimate journals that cite conclusions from earlier articles in predatory journals may be seen as questionable
- A single predatory or low-quality journal can damage the reputation of a publisher's entire fleet of journals

SUMMARY

- In this session, we:
 - Learned that predatory journals and publishers are those that exploit the gold open-access model for their own profit;
 - Saw that the author-pays model is a major cultural change in scholarly publishing that has led to the creation of many scams;
 - Learned that predatory journals are allowing the publishing of junk science
 - Saw that author fees are effectively silencing authors in some countries

FINAL CONCLUSIONS

- Scholarly authors need to be aware of predatory publishers and related scams so that they can avoid them
- Authors need to know that predatory journals are giving a voice to junk science, so they should carefully avoid citing them in their work
- Because research in biomedical sciences is translated into clinical practice, it is crucial that scholarly communication in the field be published in journals that maintain the highest standards in peer-review and scholarly publishing

OPEN Q&A



QUESTIONS . . .

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UPCOMING ISMPP U'S

October 21, 2015

- **Topic:** GPP3
- **Presenters:** Wendy Battisti, Janssen; Les Citrome, *Int'l Journal of Clinical Research*; Laverne Mooney, Pfizer; Yvonne Yarker, Medicite LLC

November 18, 2015

- **Topic:** Biostatistics in Medical Writing and Publication Planning
- **Presenters:** Meg Franklin, Franklin Pharmaceutical Consulting, LLC; Jay Hsu, PhD, Sunovion

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