

Integridade na Pesquisa

José Roberto Goldim



Núcleo
Interinstitucional
de Bioética



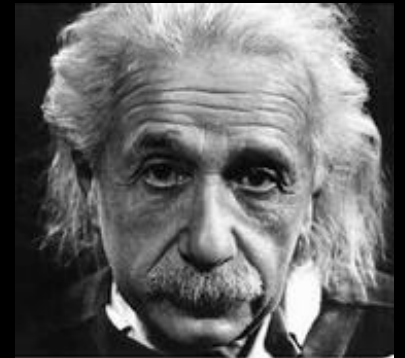
Serviço de Bioética e
Laboratório de
Pesquisa em Bioética
e
Ética na Ciência
HCPA/Brasil



www.bioetica.ufrgs.br

<https://doi.org/10.6084/m9.figshare.8411882>

Muitas pessoas dizem
que o intelecto
é que faz um grande cientista.
Eles estão errados:
é o carácter.



Albert Einstein

In: Makay AL.

A dictionary of scientific quotations.

Philadelphia: IPP, 1991:23.

Ética

**é a reflexão crítica
sobre o agir humano
na perspectiva do
bem e do mal.**

Ética

**é a busca de
justificativas
para verificar
a adequação ou não
das ações humanas.**

Adolfo Sanches Vasques
Ética

Rio de Janeiro: Civilização Brasileira, 2000:63.

Decoro

Honestidade

Honradez

Dignidade

Integritate

Decência

Retidão

Seriedade

Respeitabilidade



Ministry of Science, Innovation
and Higher Education

Education and
institutions >

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innovation >

Councils and
commissions

The Danish Committees
on Scientific Dishonesty ▾

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The Minister and the
Ministry >

Dansk

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The Danish Committees on Scientific Dishonesty

The Danish Committees on Scientific Dishonesty

The Danish Committees for Scientific Dishonesty (DCSD) handles cases on scientific dishonesty (research misconduct) in research

What is scientific dishonesty (research misconduct)?

Scientific dishonesty (research misconduct) is defined by the Danish Parliament as: Falsification, Fabrication, Plagiarism and other serious violations of good scientific practice committed wilfully or gross negligent in planning, performing, or reporting of research results.

Responsibility / mission of DCSD

DCSD investigates allegations on research misconduct which are of significance for Danish research.

Investigations start upon acceptance of a complaint



Criado em 1993

Povl Riis

Fraude dos Observadores

Trimming

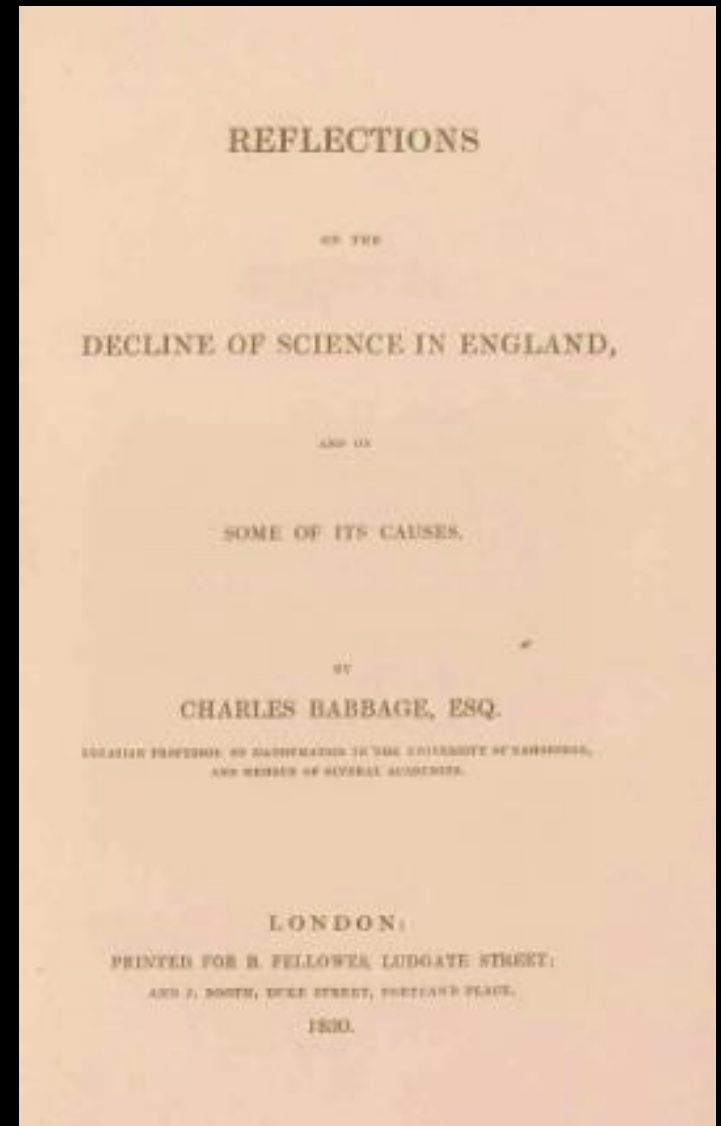
Ajustes de dados

Cooking

Manipulação de dados e
seleção de dados de interesse

Forgery

Falsificação de dados



Charles Babbage

Section 3. On the frauds of observers.

Reflections on the Decline of Science in England.

London: B. Fellowes, 1830:174-183.

On the Primary Site of Nuclear RNA Synthesis.* By LESTER GOLDSTEIN† and JULIE MICOU.
(From the Cancer Research Institute, University of California Medical Center, San Francisco.)‡

There is increasing cytological evidence that a substantial portion of cytoplasmic RNA is synthesized in the cytoplasm. In two of these papers (3, 4) we suggested that the nucleolus (the nucleus) where RNA synthesis is completely localized.

Since there are very few cell types, the observation of RNA precursors into a rapid and occurs much earlier than some doubt on the hypothesis of information from That is to say, it is difficult to obtain information from many chromosomes imparted to RNA synthesis represented by the nucleoli. It still prove valid, however, if that RNA was synthesized at a much slower rate. (This other the conjugation of RNA with the hypothesis has been suggested by Taylor (3).

If the latter assumption is correct, we find that following a very brief pulse of active RNA precursor, only a small amount of (or chromosomal) RNA was synthesized in experiments herein described testing this hypothesis.

Experiment

ON THE PRIMARY SITE OF NUCLEAR RNA SYNTHESIS

A Retraction

LESTER GOLDSTEIN and JULIE MICOU EASTWOOD. From the Department of Biology, University of Pennsylvania, Philadelphia, and the Department of Zoology, University of California, Berkeley

In 1959, we published in the predecessor of this journal a Brief Note, entitled: "On the Primary Site of Nuclear RNA Synthesis" (2), in which we reported evidence in support of the view that all nuclear RNA (including nucleolar) is synthesized in the nonnucleolar regions of the nucleus of human amnion cells. Shortly thereafter, Siskin and Kinoshita (3), Amano and Leblond (1), and others offered strong evidence for the conclusion that "chromosomal" RNA is synthesized in the nonnucleolar parts of the nucleus, and that nucleolar RNA is synthesized in the nucleolus. In the face of this contrary evidence, we repeated our experiments (in 1961) and were forced to conclude that our earlier report was erroneous, and that Siskin and Kinoshita, Amano and Leblond, and others who contend that nucleolar RNA is synthesized in the nucleolus are correct.

We publish this Note at this time because in the years that have passed since our original publication, and even now, the 1959 note has been quoted as a worthy piece of evidence. We ask to be spared the further embarrassment of having that earlier work cited in the reputable literature, and we hope we can spare other authors the labors of attempting to rationalize our aberrant data.

Received for publication 10 June 1966.

REFERENCES

1. AMANO, M., and LEBLOND, C. P., *Exp. Cell Research*, 1960, **20**, 250.
2. GOLDSTEIN, L., and MICOU, J., *J. Biophysic. and Biochem. Cytol.*, 1959, **6**, 301.
3. SISKIN, J. E., and KINOSHITA, R., *Exp. Cell Research*, 1961, **24**, 168.

GOLDSTEIN L, MICOU J.

On the primary site of nuclear RNA synthesis.
J Biophys Biochem Cytol. 1959 Oct;6:301-4.

Goldstein L, Eastwood JM.

On the primary site of nuclear RNA synthesis. A retraction.
J Cell Biol 1966 Oct;31(1):195.

1a Retratação – erro de interpretação de resultados

Motivos para Retratação de Artigos

- Erros Não Intencionais dos Pesquisadores
 - Delineamento de Pesquisa
 - Análise de dados
 - Interpretação de Resultados
- Condutas Científicas Inadequadas dos Pesquisadores
 - Falsificação e manipulação de dados
 - Duplicação de publicações (autoplágio)
 - Plágio (apropriação de produção alheia)
- Outros motivos
 - Dificuldades técnicas de repetir experimentos
 - Problemas na revisão de artigos
 - Problemas na editoração de artigos

Article types

Clinical Trial

Review

Customize ...

Text availability

Abstract

Free full text

Full text

Publication dates

5 years

10 years

Custom range...

Species

Humans

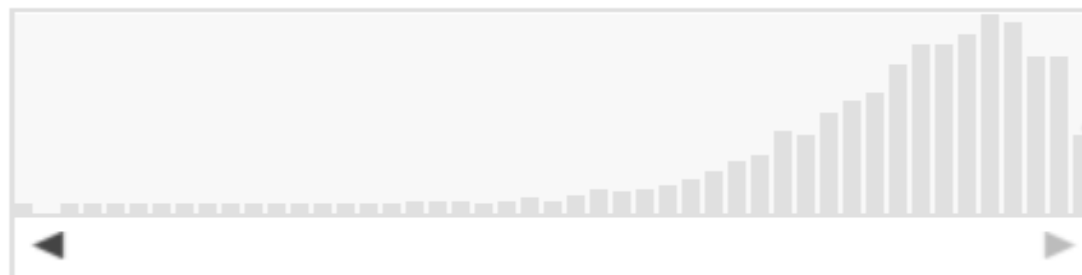
Other Animals

[Clear all](#)[Show additional filters](#)

Format: Summary Sort by: Most Recent Per page: 20

Send to

Results by year



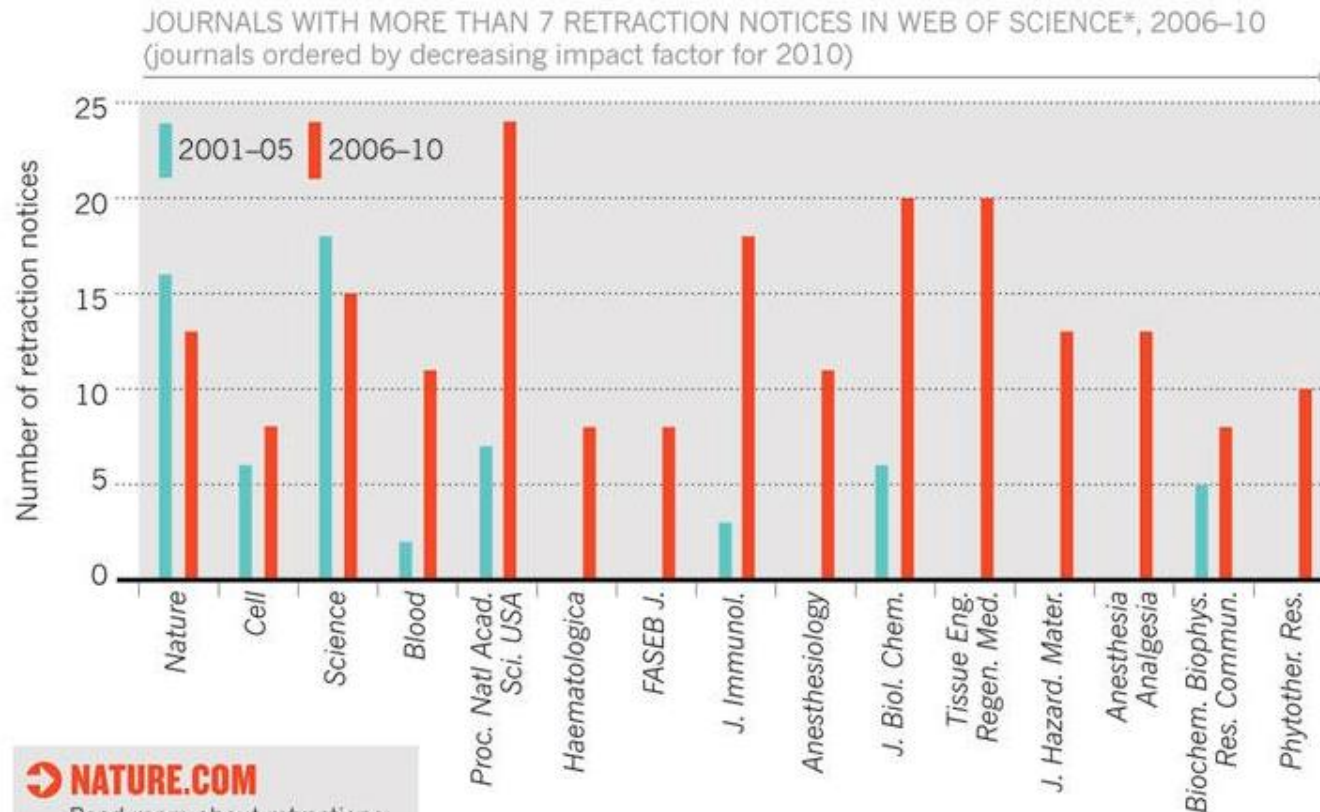
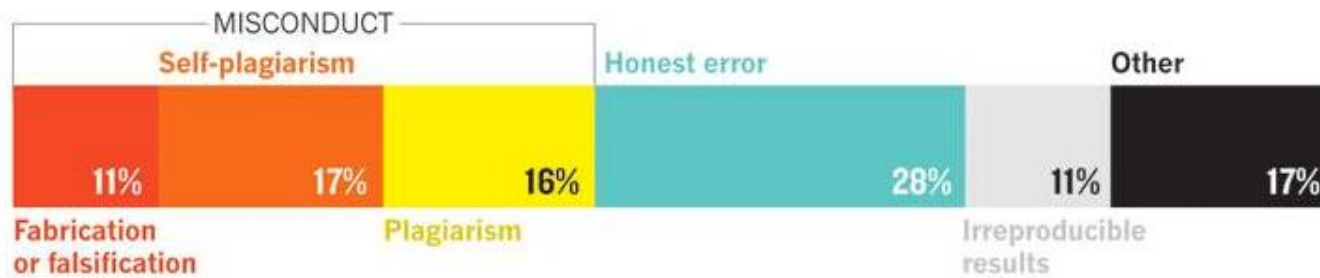
2019
499
retratações
Até 23/06

Search results

Items: 1 to 20 of 15393

<< First < Prev Page 1 of 723 Next > Last >>

- ☐ [Retraction Note for Singh *et al.* Performance evaluation of DNA Motif discovery programs](#)
1. [Published on December 31, 2018.](#)
[No authors listed]
Bioinformation. 2018 Dec 31;14(9):594. doi: 10.6026/97320630014594. eCollection 2018.
PMID: 31223219
[Similar articles](#)
- ☐ [RETRACTED: Preventative and Therapeutic Role of Probiotics in Various Allergic and Autoimmune Disorders: An Up-to-Date Literature Review of Essential Experimental and Clinical Data.](#)
2. [Disorders: An Up-to-Date Literature Review of Essential Experimental and Clinical Data.](#)
Özdemir Ö.
J Evid Based Complementary Altern Med. 2013 Apr;18(2):121-151. doi: 10.1177/2156587212461279.
PMID: 31216614
[Similar articles](#)
- ☐ [Retraction: Arnica montana Stimulates Extracellular Matrix Gene Expression in a Macrophage Cell Line Differentiated to Wound-Healing Phenotype.](#)
3. [Line Differentiated to Wound-Healing Phenotype.](#)



NATURE.COM

Read more about retractions:
go.nature.com/2uweek

*Not shown: *Acta Crystallographica E* saw 81 retractions during 2006–10.

Richard Van Noorden
The trouble with retractions.
Nature 2011;478:26-28

Misconduct accounts for the majority of retracted scientific publications

Ferric C. Fang^{a,b,1}, R. Grant Steen^{c,1}, and Arturo Casadevall^{d,1,2}

Departments of ^aLaboratory Medicine and ^bMicrobiology, University of Washington School of Medicine, Seattle, WA 98195; ^cMediCC1 Medical Communications Consultants, Chapel Hill, NC 27517; and ^dDepartment of Microbiology and Immunology, Albert Einstein College of Medicine, Bronx, NY 10461

Edited by Thomas Shenk, Princeton University, Princeton, NJ, and approved September 6, 2012 (received for review July 18, 2012)

A detailed review of all 2,047 biomedical and life-science research articles indexed by PubMed as retracted on May 3, 2012 revealed that only 21.3% of retractions were attributable to error. In contrast, 67.4% of retractions were attributable to misconduct, including

published by the authors of a manuscript in the *Journal of Cell Biology* stated that "In follow-up experiments . . . we have shown that the lack of FOXO1a expression reported in figure 1 is not correct" (11). A subsequent report from the Office of Research

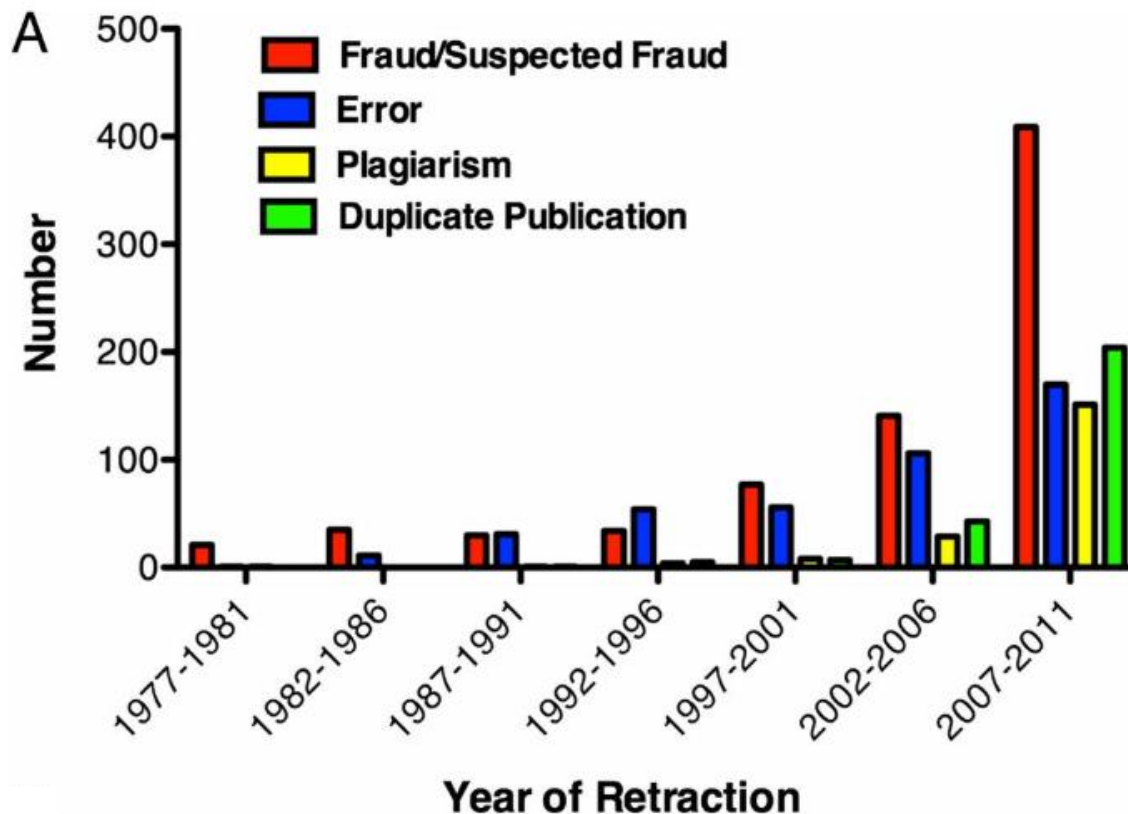
fraud or suspected fraud (43.4%), plagiarism (9.8%). Incomplete announcements have led to role of fraud in the ongoing retraction of scientific articles retracted before 1975. Retractions exhibit patterns that may reveal underlying

biometric analysis | biomedical

The number and frequency of retractions are important indicators of the quality of scientific research. Because retracted articles are not included in the scientific literature, they are not subject to the scrutiny of rigorous and systematic peer review. The scientific community's response to retraction has recently evolved. Retractions of articles have been more than fraud as a cause of retraction correlate with journal impact factor. A comprehensive analysis of PubMed to ascertain the validity of retractions were classified according to the reason for retraction was documented fraud, suspected fraud, plagiarism, or other reasons (e.g.,

Results

Causes of Retraction. PubMed articles relating primarily to the 1940s. A comprehensive analysis of PubMed to ascertain the validity of retractions were classified according to the reason for retraction was documented fraud, suspected fraud, plagiarism, or other reasons (e.g.,



Tempo até a Retração

N=2047 (100,0%)

Erro

26,0±28,0 meses
N=437 (21,3%)

Fraude

46,8±38,4 meses
N=697 (34,0%)

$t_{\text{fraude}} > t_{\text{erro}}$
P=0.026

Fang FC, Steen RG, Casadevall A. Misconduct accounts for the majority of retracted scientific publications. Proc Natl Acad Sci. 2012;109(42):17028–33.

Fang FC, Steen RG, Casadevall A.

Correction for “Misconduct accounts for the majority of retracted scientific publications.” Proc Natl Acad Sci. 2012;110(3):1137.

Quando me equivoco,
todo o mundo
pode reconhecer;
quando minto,
não.

Johann Wolfgang Goethe
Obras Completas - Vol 1. (Máxima 79)
Madrid: Aguilar; 1950:306.

Tempo até a
Retratação

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Proc Natl Acad Sci. 2012;110(3):1137.

20 artigos retratados mais citados (2012)

Table 3. Most Cited Retracted Articles

First author	Journal	Year published	Year retracted	Times cited*	Reason for retraction
Wakefield	<i>Lancet</i>	1998	2004; 2010	758	Fraud
Reyes	<i>Blood</i>	2001	2009	740	Error
Fukuhara	<i>Science</i>	2005	2007	686	Error
Nakao	<i>Lancet</i>	2003	2009	626	Fraud
Chang	<i>Science</i>	2001	2006	512	Error
Kugler	<i>Nature Medicine</i>	2000	2003	494	Fraud
Rubio	<i>Cancer Research</i>	2005	2010	457	Error
Gowen	<i>Science</i>	1998	2003	395	Fraud
Makarova	<i>Nature</i>	2001	2006	375	Error
Hwang	<i>Science</i>	2004	2006	368	Fraud
Potti	<i>The New England Journal of Medicine</i>	2006	2011	361	Fraud
Brugger	<i>The New England Journal of Medicine</i>	1995	2001	336	Fraud
Van Parijs	<i>Immunity</i>	1999	2009	330	Fraud
Potti	<i>Nature Medicine</i>	2006	2011	328	Fraud
Schön	<i>Science</i>	2000	2002	297	Fraud
Chiu	<i>Nature</i>	2005	2010	281	Error
Cooper	<i>Science</i>	1997	2005	264	Fraud
Le Page	<i>Cell</i>	2000	2005	262	Error
Kawasaki	<i>Nature</i>	2004	2006	243	Fraud
Hwang	<i>Science</i>	2005	2006	234	Fraud

*As of June 22, 2012

www.pnas.org/cgi/doi/10.1073/pnas.1220649110

N=20 (100%)

Fraude

N=13 (65%)

5,7+4,2 anos
(1 a 16 anos)

Erro

N=7 (35%)

4,9+1,5 anos
(2 a 7 anos)

P>0.05

Fang FC, Steen RG, Casadevall A.
Misconduct accounts for the majority of retracted scientific publications.

Proc Natl Acad Sci. 2012;109(42):17028–33.

Fang FC, Steen RG, Casadevall A.

Correction for “Misconduct accounts for the majority of retracted scientific publications.”

Proc Natl Acad Sci [Internet]. 2012;110(3):1137.

Early report

Ileal-lymphoid-nodular hyperplasia, non-specific colitis, and pervasive developmental disorder in children

A J Wakefield, S H Murch, A Anthony, J Linnell, D M Casson, M Malik, M Berelowitz, A P Dhillon, M A Thomson, P Harvey, A Valentine, S E Davies, J A Walker-Smith

Summary

Background We investigated a consecutive series of children with chronic enterocolitis and regressive developmental disorder.

Methods 12 children (mean age 6 years [range 3–10], 11 boys) were referred to a paediatric gastroenterology unit with a history of normal development followed by loss of acquired skills, including language, together with diarrhoea and abdominal pain. Children underwent gastroenterological, neurological, and developmental assessment and review of developmental records. Ileocolonoscopy and biopsy sampling, magnetic-resonance imaging (MRI), electroencephalography (EEG), and lumbar puncture were done under sedation. Barium follow-through radiography was done where possible. Biochemical, haematological, and immunological profiles were examined.

Findings Onset of behavioural symptoms was associated by the parents, with measles, mumps, and rubella vaccination in eight of the 12 children, with measles infection in one child, and otitis media in another. All 12 children had intestinal abnormalities ranging from lymphoid nodular hyperplasia to granuloid ulceration. Histology showed patchy chronic inflammation in 11 children and reactive ileal lymphoid hyperplasia in seven, but no granulomas. Behavioural disorders included autism (nine), disintegrative psychosis (one), and possible postviral or vaccinal encephalitis (two). There were no focal neurological abnormalities and MRI and EEG tests were normal. Abnormal laboratory results were significantly raised urinary methylmalonic acid compared with age-matched controls (test = 0.03), low haemoglobin in four children, and low serum IgA in two children.

Interpretation We identified associated gastrointestinal disease and developmental regression in a group of previously normal children, which was generally associated in time with possible environmental triggers.

Lancet 1998; 351: 637–41

See Commentary page

Inflammatory Bowel Disease Study Group, University Departments of Medicine and Histopathology (A J Wakefield msc, A Anthony msc, J Linnell msc, A P Dhillon msc, S E Davies msc) and the University Departments of Paediatric Gastroenterology (S H Murch msc, D M Casson msc, M Malik msc, M A Thomson msc, J A Walker-Smith msc), Child and Adolescent Psychiatry (M Berelowitz msc), Neurology (P Harvey msc), and Radiology (A Valentine msc), Royal Free Hospital and School of Medicine, London NW3 2QG, UK.

Correspondence to: Dr A J Wakefield

Introduction

We saw several children who, after a period of apparent normality, lost acquired skills, including communication. They all had gastrointestinal symptoms, including abdominal pain, diarrhoea, and bloating and, in some cases, food intolerance. We describe the clinical findings, and gastrointestinal features of these children.

Patients and methods

12 children, consecutively referred to the department of paediatric gastroenterology with a history of a pervasive developmental disorder with loss of acquired skills and intestinal symptoms (abdominal pain, bloating and food intolerance), were investigated. All children were admitted to the ward first week, accompanied by their parents.

Clinical investigations

We took history, including details of immunisations and exposure to infectious diseases, and assessed the children. In 11 cases the history was obtained by the senior clinician (JW-S). Neurological and psychiatric assessments were done by consultant staff (PH, MB) with HMS-4 criteria.¹ Developmental records included a review of prospective developmental records from parents, health visitors, and general practitioners. Four children did not undergo psychiatric assessment in hospital; all had been assessed professionally elsewhere, so these assessments were used as the basis for their behavioural diagnosis.

After bowel preparation, ileocolonoscopy was performed by SHM or MAT under sedation with midazolam and pethidine. Paired frozen and formalin-fixed mucosal biopsy samples were taken from the terminal ileum; ascending, transverse, descending, and sigmoid colons, and from the rectum. The procedure was recorded by video or still images, and were compared with images of the previous seven consecutive paediatric colonoscopies (four normal colonoscopies and three on children with ulcerative colitis), in which the physician reported normal appearances in the terminal ileum. Barium follow-through radiography was possible in some cases.

Also under sedation, cerebral magnetic-resonance imaging (MRI), electroencephalography (EEG) including visual, brain stem auditory, and sensory evoked potentials (where compliance made these possible), and lumbar puncture were done.

Laboratory investigations

Thyroid function, serum long-chain fatty acids, and cerebrospinal-fluid lactate were measured to exclude known causes of childhood neurodegenerative disease. Urinary methylmalonic acid was measured in random urine samples from eight of the 12 children and 14 age-matched and sex-matched normal controls, by a modification of a technique described previously.² Chromatograms were scanned digitally on computer, to analyse the methylmalonic-acid zones from cases and controls. Urinary methylmalonic-acid concentrations in patients and controls were compared by a two-sample *t* test. Urinary creatinine was estimated by routine spectrophotometric assay.

Children were screened for antiendomyxal antibodies and boys were screened for fragile-X if this had not been done

Wakefield, Lancet, 1998



2015



Findings Onset of behavioural symptoms was associated by the parents, with measles, mumps, and rubella vaccination in eight of the 12 children, with measles infection in one child, and otitis media in another. All 12 children had intestinal abnormalities ranging from lymphoid nodular hyperplasia to granuloid ulceration. Histology showed patchy chronic inflammation in 11 children and reactive ileal lymphoid hyperplasia in seven, but no granulomas. Behavioural disorders included autism (nine), disintegrative psychosis (one), and possible postviral or vaccinal encephalitis (two). There were no focal neurological abnormalities and MRI and EEG tests were normal. Abnormal laboratory results were significantly raised urinary methylmalonic acid compared with age-matched controls (test = 0.03), low haemoglobin in four children, and low serum IgA in two children.

We have identified a chronic enterocolitis in children that may be related to neuro-psychiatric dysfunction. In most cases, onset of symptoms was after measles, mumps, and rubella immunisation. Further investigations are needed to examine this syndrome and its possible relation to this vaccine.

Wakefield A, Murch S, Anthony A, Linnell J, Casson D, Malik M, et al.
RETRACTED: Ileal-lymphoid-nodular hyperplasia, non-specific colitis, and pervasive developmental disorder in children.

Lancet. 1998;351(9103):637–41.

Donmez, G., Wang, D., Cohen, D. E., and Guarente, L.
SIRT1 Suppresses β -Amyloid Production by Activating
the α -Secretase Gene ADAM10.
Cell 2010;142(2), 320–332.

Retraction notice to: SIRT1 suppresses β -amyloid
production by activating the α -secretase gene
ADAM10. [Cell. 2014]

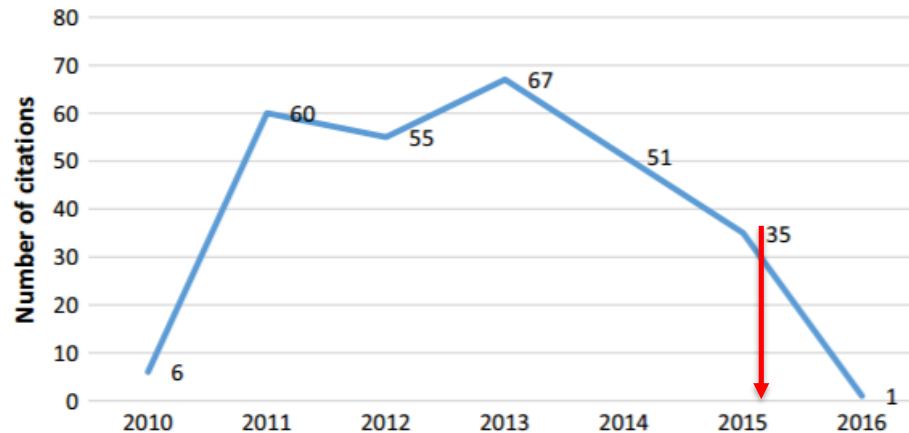


Fig. 3 Number of citations per year—Donmez et al. article

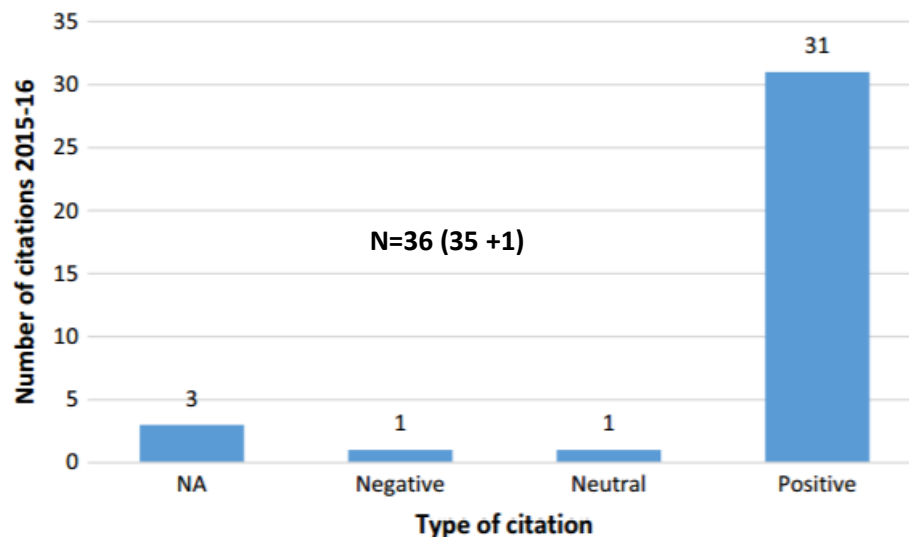
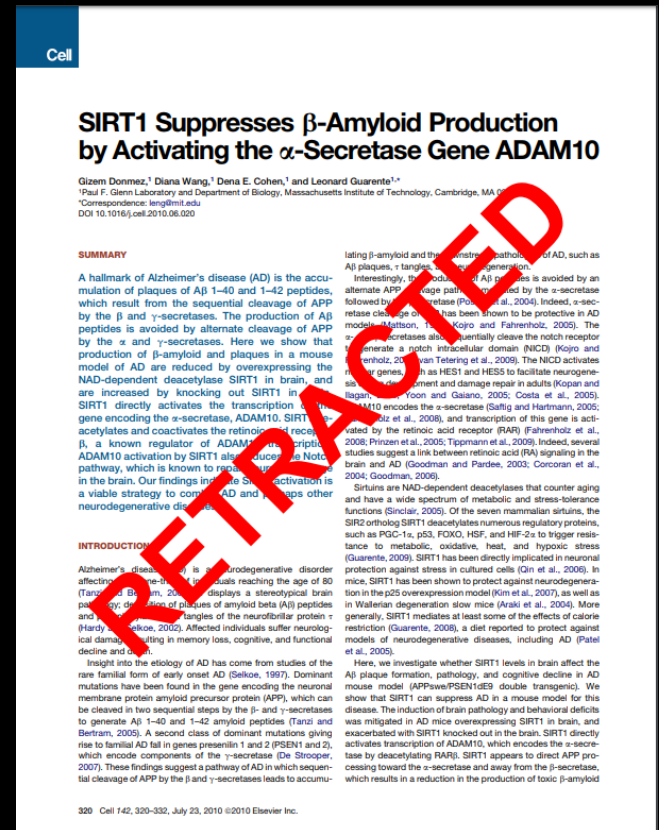


Fig. 4 Distribution of the post retraction citations of the Donmez et al. article



Bar-Ilan J, Halevi G.
Post retraction citations in context: a case study.
Scientometrics. 2017 Mar 3;(July 2016).

Continued citation of retracted radiation oncology literature - Do we have a problem?

Hamilton DG¹.

 Author information

Abstract

Most post-retraction citations occurred during the second year after the article's retraction, originated from North America and Asia (each N = 124, 31%) and Europe (N = 122, 30%), and featured in original articles (N = 254, 62%) and reviews (N = 73, 18%).
Of the 358 individually evaluable citing studies, 92% referenced the retracted article as legitimate work. Three guidelines and fifteen systematic reviews and meta-analyses were also identified that cited retracted articles as valid work.

CONCLUSIONS: Post-retraction citations are an avoidable phenomenon. The results of the study emphasise the need for adherence to good research practices by investigators to mitigate the influence and propagation of flawed and unethical research. Journal editors, peer reviewers and the broader radiation oncology readership should remain diligent in ensuring that citations of retracted work are identified and removed prior to, during, and possibly even after publication.

Hamilton DG.

Continued Citation of Retracted Radiation Oncology Literature—Do We Have a Problem?

Int J Radiat Oncol. 2019 Apr 19;103(5):1036–42.

Display Settings: ☒ Abstract

Send to: ☐

J Med Ethics. 2011 May 17. [Epub ahead of print]

Retractions in the medical literature: how many patients are put at risk by flawed research?

Steen RG.

Abstract

Background Clinical papers published in the English language are at risk of being retracted. Patient risk could arise in a retracted primary study or in any secondary study that draws ideas or inspiration from a primary study. Methods To determine how many patients were put at risk, we evaluated 766 retracted English-language papers published from 2000 to 2010, describing new research with humans or freshly derived human material. Results 180 primary studies citing them were evaluated using ISI Web of Knowledge. Excluded from study were 468 basic science papers not studying fresh human material; 88 reviews presenting older data; 22 case reports; 7 papers retracted for journal policy reasons. Overall, 180 retracted primary papers (22.8%) met the inclusion criteria. Subjects enrolled and patients treated in 180 primary studies and 851 secondary studies were combined. Results Retracted papers were cited over 5000 times, with 93% of citations being research related, suggesting that ideas promulgated in retracted papers can influence research. Subjects enrolled and 9189 patients were treated in 180 retracted primary studies. Over 400 000 subjects were enrolled and 70 501 patients were treated in 851 secondary studies which cited a retracted paper. Papers retracted for fraud (n=70) treated more patients per study (p<0.01) than papers retracted for error (n=110). Conclusions Many patients are put at risk by retracted studies, as only patients enrolled in published clinical studies were tallied.

788 artigos retratados 2000-2010

180 artigos com pacientes

Área médica – Web of Knowledge

- **110 artigos por erros (61%)**
- **70 artigos por fraude (39%)**

Estudos primários

- **180 projetos**
- **28.000 participantes**
- **9.189 pacientes tratados**
- **mais 5000 citações**

Estudos secundários

- **851 projetos**
- **400.000 participantes**
- **70.501 pacientes**

**Número de
participantes
Fraude > Erro
P<0,01**

Retractions Often Due to Plagiarism: Study

The number of plagiarism-based retractions has grown since the advent of detection software, according to a BioMed Central analysis.

Jun 2, 2015
KERRY GRENS



PIXABAY, VICTORFUSCORNO

Plagiarism is the most common cause of retractions in BioMed Central journals, accounting for a quarter of cases documented, according to a poster presentation at the World Conference on Research Integrity being held in Rio de Janeiro this week. The authors found that the increase in plagiarism-related retractions rose after 2009, when plagiarism-detection software became more widely used.

"It was a bit unexpected because I don't think this is the number-one reason that comes up in other studies," said study coauthor Maria Kowalczyk, the biology editor in the Research Integrity Group at BioMed Central.

For instance, a 2012 *PNAS* study that analyzed more than 2,000 PubMed-indexed retractions found that fraud was responsible for 43 percent of retractions and plagiarism for 10 percent.

Plagiarism "has become easier to detect," Kowalczyk told *The Scientist*. "Before 2009, it was mostly problems with duplicate publications and coauthors not being aware that the article was being published."

Kowalczyk and Elizabeth Moylan, the senior editor of the Research Integrity Group, surveyed nearly 163,000 articles published between 2000 and 2014 by BioMed Central, which puts out 281 open-access journals. Among them, 77 papers had been retracted. (The authors excluded 43 papers that were pulled this year [due to fraudulent peer review](#) because, Kowalczyk said, "they would seriously skew the results.")

Thirteen of the 77 papers were pulled because of "honest error;" 14 because of research misconduct, including data fabrication or an absence of ethical approval; another 14 because of unknown reasons; and 36 due to publishing misconduct, including plagiarism and image duplication.

Kowalczyk said editors and reviewers will use plagiarism-detection services when they are suspicious that there may be duplicate language, but it would be impractical to apply these to every paper reviewed because of time constraints.

In another presentation at the World Conference on Research Integrity, Chris Graf, the new business director for the professional innovations group of Wiley, offered a snapshot of the 82 retractions in Wiley journals in 2014. Nearly half (40) were due to "serious problems," such as fabrication or experimental flaws, while 21 were pulled because of plagiarism.

Keywords:

ethics, misconduct, plagiarism, publishing, scientific ethics, scientific misconduct

World Conference on Research Integrity – Rio 2015

Research Integrity Group

2000–2014 N=163.000

77 (0,05%) artigos retratados

50 (64,9%) condutas inadequadas

36 (46,7%) plágio

14 (18,2%) fabricação de dados

13 (16,9%) erros não intencionais

14 (18,2%) outros motivos

Wiley Editores

2014

82 artigos retratados

61 (74,4%) condutas inadequadas

40 (48,8%) fabricação de dados

21 (25,6%) plágio

Grens K.

Retractions Often Due to Plagiarism: Study. Sci [Internet]. 2015;

Available from: [http://www.the-scientist.com/?articles.view/articleNo/43130/title/Retractions-Often-Due-to-](http://www.the-scientist.com/?articles.view/articleNo/43130/title/Retractions-Often-Due-to-Plagiarism--Study/)

[Plagiarism--Study/](http://www.the-scientist.com/?articles.view/articleNo/43130/title/Retractions-Often-Due-to-Plagiarism--Study/)

BioMed Central (+250 periódicos *open access*)

Total de artigos publicados = 190514 (2000-2015)

N=134 artigos retratados (0,07%)

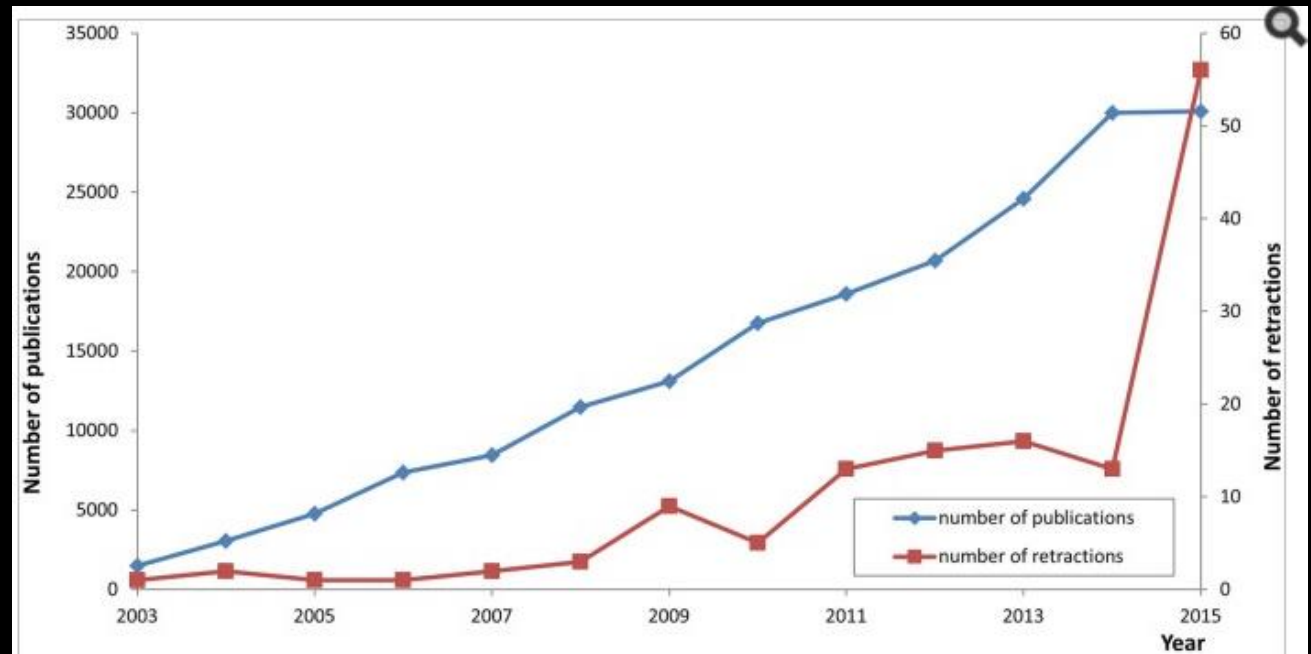
N=47 (35%) próprio autores retrataram

N=102 (76%) conduta inadequada

N=22 (16%) plágio

N=10 (7%) falsificação de dados

Mediana de retratação=337,5 dias

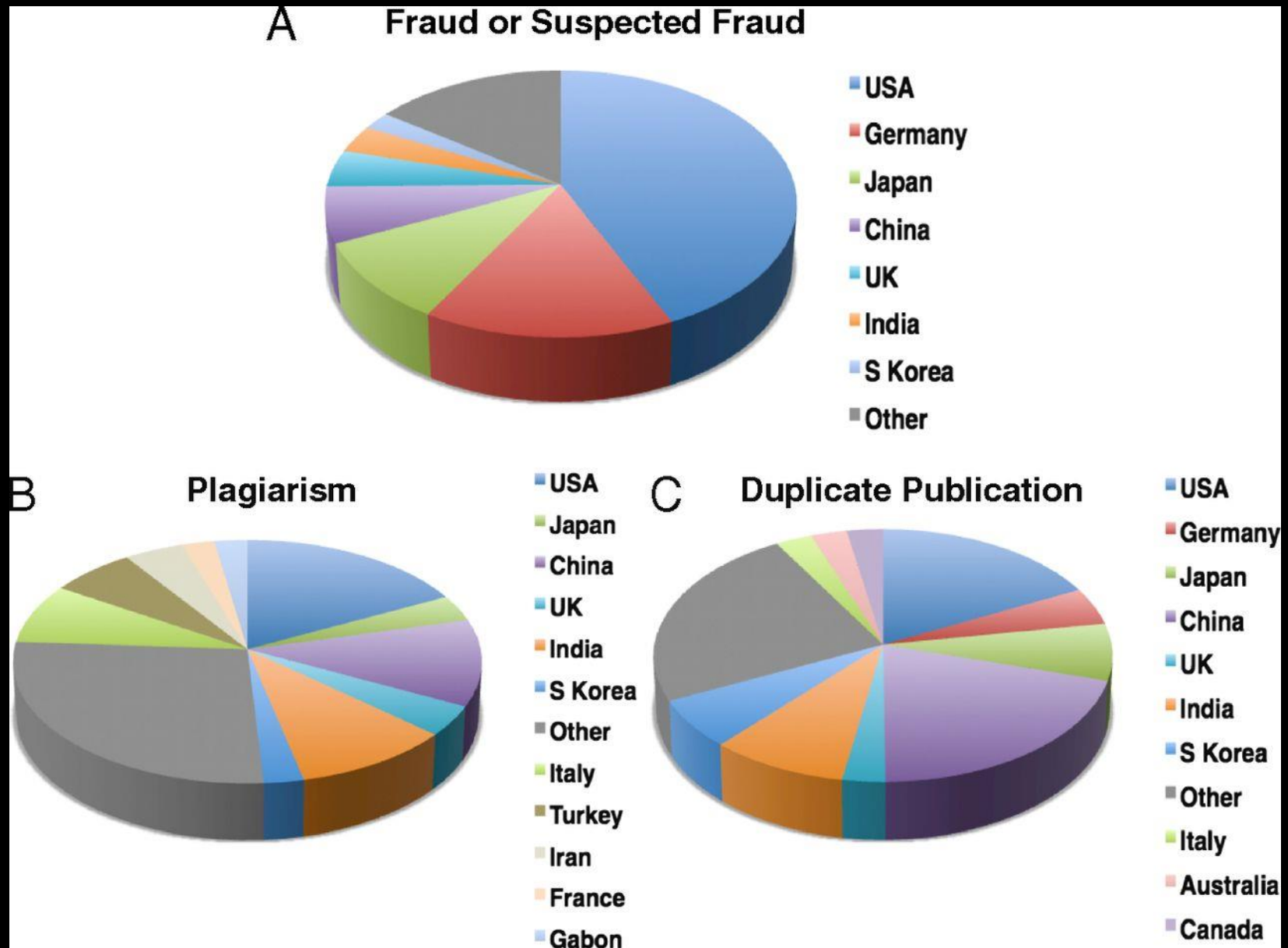


Moylan EC, Kowalczyk MK.

Why articles are retracted: a retrospective cross-sectional study of retraction notices at BioMed Central.

BMJ Open [Internet]. 2016 Nov 23;6(11):e012047.

País de origem da publicação retratada por fraude (A), plágio (B) ou publicação duplicada (C).



País de origem da publicação retratada

The Retraction Watch Database
Please see this [user guide](#) before you get started

Author(s):

Country(s):

Title:

Reason(s) for Retraction:

Subject(s):

Article Type(s):

Journal:

Publisher:

Affiliation(s):

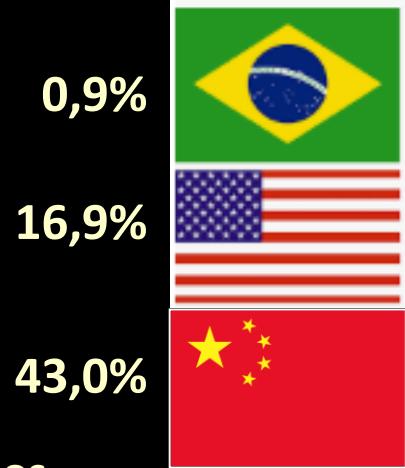
Notes:

URL:

[Clear Search](#)

20 Countries Publishing The Most Scholarly Articles

Rank	Country	Scientific and Technical Journal Articles Per Year
1	United States	412,542 articles
2	China	401,435 articles
3	Japan	103,377 articles
4	Germany	101,074 articles
5	United Kingdom	97,332 articles
6	India	93,349 articles
7	France	72,555 articles
8	Italy	66,310 articles
9	South Korea	58,844 articles
10	Canada	57,797 articles
11	Spain	53,342 articles
12	Brazil	48,622 articles



20542 artigos retratados
23/06/2019

País de origem da publicação retratada e tipo de retratação

The Retraction Watch Database
Please see this [user guide](#) before you get started

Author(s): Country(s):

Title:

Reason(s) for Retraction:

Subject(s): Article Type(s):

Journal:

Publisher:

Affiliation(s):

Notes:

URL:

[Clear Search](#) [Search](#)

País	Retratações	Falsificação de dados	Revisor Falso
USA	3573 (17,4%)	535 (46,4%)	28 (3,7%)
China	9557 (46,5%)	149 (12,9%)	401 (54,0%)
Índia	1031 (5,0%)	28 (2,4%)	21 (2,8%)
Brasil	164 (0,7%)	1 (0,8%)	0 (0,0%)
Total	20542 (100%)	1152 (5,6%)	742 (3,6%)

23/06/2019

Oransky I, Marcus A.
Retraction Watch Database. 2018.

<http://retractiondatabase.org/RetractionSearch.aspx>

Caso Doutorados – Alemanha - Plágio



Karl-Theodor zu Guttenberg

Ministro da Defesa – Alemanha

Universidade de Bayreuth

Perda do título de PhD

Plágio na tese doutoral

2011

<https://www.faz.net/aktuell/feuilleton/zu-guttenbergs-doktorarbeit-summa-cum-laude-1593701.html>



Annette Schavan

Ministra da Educação – Alemanha

Universidade de Düsseldorf

Perdeu o título de PhD

Plágio na sua tese doutoral

2013

<https://www.spiegel.de/lebenundlernen/job/plagiatsaffaere-von-annette-schavan-doktorarbeit-im-lebenslauf-a-983488.html>

Caso Yoshitaka Fujii – Japão – Falsificação de Dados

1993-2012

249 artigos publicados (246 PUBMED)

212 examinados

3 com dados válidos

37 com dados insuficientes

172 contem dados fabricados

126 só dados fabricados

Comitê da Japanese Society of Anesthesiologists

Retraction Watch

<http://retractiondatabase.org>

10/08/2012

Caso AJEAP – Republicação e Política Editorial

Production of Pure Ethanol from Azeotropic Solution by Pressure Swing Adsorption

P. Pruksathorn and T. Vitidsant

American Journal of Engineering and Applied Sciences
DOI: 10.3844/ajeassp.2009.1.7
Volume 2, Issue 1
Pages 1-7

Korean Journal of Chemical Engineering
July 2009, Volume 26, Issue 4, pp 1106-1111

Production of pure ethanol from azeotropic solution by pressure swing adsorption

Pit Pruksathorn, Tharapong Vitidsant

The first one is the one published in a predatory journal. The *American Journal of Engineering and Applied Sciences* is published by [Science Publications](#), which is listed on my list of predatory publishers. The second is a Springer journal.

Here's the problem: The predatory publisher is charging the author \$650 to retract the paper. I find this charge unethical. Scholarly publishers have an obligation to "maintain the integrity of the academic record" and should immediately retract an article that is to be excluded from that record, without charge to anyone. This policy of charging disincentivises paper retractions — which are sometimes necessary — by adding a fee barrier.

Pit Pruksathorn

Publisher charges authors for retractions.

<http://scholarlyoa.com/2012/12/19/publisher-charges-authors-for-retractions/>

Caso Neurociências – Erros de Métodos Estatísticos

Nat Neurosci. 2011 Aug 26;14(9):1105-7. doi: 10.1038/nn.2886.

Erroneous analyses of interactions in neuroscience: a problem of significance.

Nieuwenhuis S, Forstmann BU, Wagenmakers EJ.

Department of Psychology, Leiden University, Leiden, The Netherlands. s.nieuwenhuis@fsw.leidenuniv.nl

Abstract

In theory, a comparison of two experimental effects requires a statistical test on their difference. In practice, this comparison is often based on an incorrect procedure involving two separate tests in which researchers conclude that effects differ when one effect is significant ($P < 0.05$) but the other is not ($P > 0.05$). We reviewed 513 behavioral, systems and cognitive neuroscience articles in five top-ranking journals (Science, Nature, Nature Neuroscience, Neuron and The Journal of Neuroscience) and found that 78 used the correct procedure and 79 used the incorrect procedure. An additional analysis suggests that incorrect analyses of interactions are even more common in cellular and molecular neuroscience. We discuss scenarios in which the erroneous procedure is particularly beguiling.

- Periódicos: Science, Nature, Nature Neuroscience, Neuron and The Journal of Neuroscience
 - 513 artigos de Neurociência
 - 157 artigos comparavam dados
 - **78 corretos (49,7%)**
 - **79 incorretos (50,3%)**

Nieuwenhuis S, Forstmann BU WE.

Erroneous analyses of interactions in neuroscience: a problem of significance.

Nat Neurosci. 2011;14(9):105–7.

Caso Genética – Erros de Métodos Estatísticos

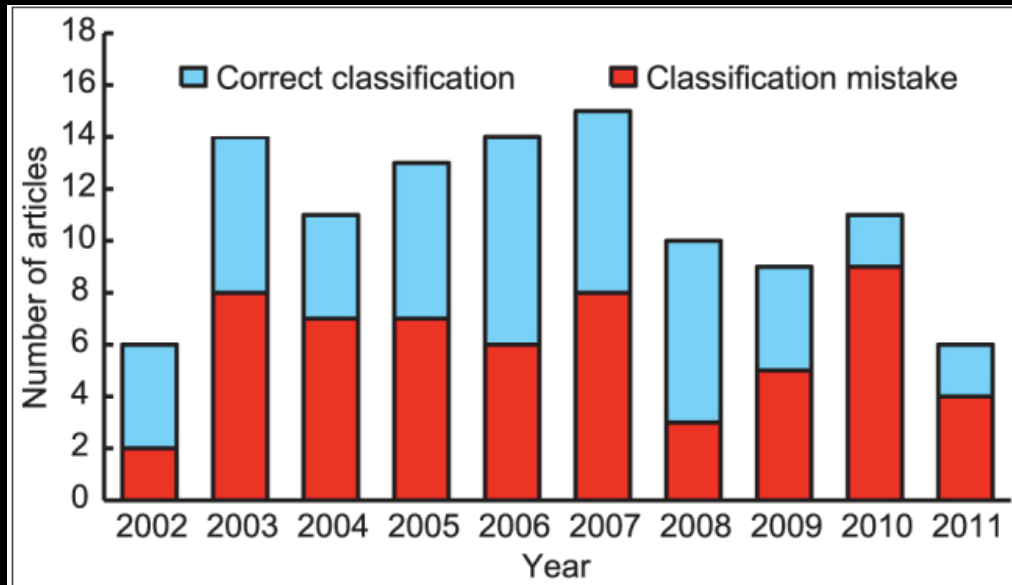


Figure 3
Scope of invalid analyses in the literature.

- 111 artigos sobre expressão gênica
 - 58 artigos (53%) métodos estatísticos não adequados

Barbash S, Soreq H.
Statistically invalid classification of high throughput gene expression data.
Scientific reports. 2013 Jan;3:1102.

Caso Molecular Neurobiology – Política Editorial


Molecular Neurobiology

April 2016, Volume 53, Issue 3, pp 1648–1653 | [Cite as](#)

RETRACTED ARTICLE: TGF- β Regulates Survivin to Affect Cell Cycle and the Expression of EGFR and MMP9 in Glioblastoma

Authors

[Authors and affiliations](#)

Wenliang Chen, Xiao Zhong, Yi Wei, Yun Liu, Quan Yi, Genshui Zhang, Lishan He, Fajiang Chen, Yingping Liu, Jiandong Luo 

Article

First Online: 17 February 2015

1

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Citations

Abstract

Transforming growth factor β (TGF- β) is a key regulator in the progression of glioblastoma due to its involvement in cell cycle regulation. In this study, we identified as an anti-proliferative agent, the potential association between TGF- β and the expression of small interfering RNA (siRNA) in glioblastoma cells. We detect relevant protein levels and investigate the time-dependent inhibition of cell cycle progression in kinase inhibitors treated cells. In addition, we therefore affected epidermal growth factor receptor (EGFR) expression comparison with normal cells. Our results show that TGF- β upregulates survivin expression in glioblastoma cells, partially attributing to the inhibition of EGFR and MMP9 expression.

This article has been retracted at the request of the Editor-in-Chief and the Publisher per the Committee on Publication Ethics guidelines. There is strong reason to believe that the peer review process was compromised and the authors have plagiarized parts from the following articles:

Anyan Liao, Ranran Shi, Yuliang Jiang, Suqing Tian, Panpan Li, Fuxi Song, Yalan Qu, Jinna Li, Haiqin Yun, Xiangshan Yang, SDF-1/CXCR4 Axis Regulates Cell Cycle Progression and Epithelial-Mesenchymal Transition via Up-regulation of Survivin in Glioblastoma, Molecular Neurobiology, January 2016, Volume 53, Issue 1, pp 210–215, DOI: [10.1007/s12035-014-9006-0](https://doi.org/10.1007/s12035-014-9006-0)

Received: 1 November 2014

Peng Yang, Gang Wang, Hongjun Huo, Qiang Li, Yan Zhao, Yuanhang Liu, SDF-1/CXCR4 signaling up-regulates survivin to regulate human sacral chondrosarcoma cell cycle and epithelial–mesenchymal transition via ERK and PI3K/AKT pathway, Medical Oncology, January 2015, 32:377, DOI: [10.1007/s12032-014-0377-x](https://doi.org/10.1007/s12032-014-0377-x)

Received: 13 November 2014

As such, the validity of the content of this article cannot be verified

An erratum to this article is available at <http://dx.doi.org/10.1007/s12035-017-0581-8>.

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Cite article

Mesmo depois de ter sido retratado, este artigo continua a ser comercializado pela editora

Caso Carmine Finelli - Itália – Plágio de Revisor

Original article:

THE IMPROVEMENT OF LARGE HIGH-DENSITY LIPOPROTEIN (HDL) PARTICLE LEVELS, AND PRESUMABLY HDL METABOLISM, DEPEND ON EFFECTS OF LOW-CARBOHYDRATE DIET AND WEIGHT LOSS

C. Finelli^{1*}, P. Crispino², S. Gioia¹, N. La Sala¹, L. D'amico¹, M. La Grotta¹, O. Miro¹, D. Colarusso²

¹ Center of Obesity and Eating Disorders, Stella Maris Mediterraneum Foundation, Chiaromonte, Potenza, Italy

² U.O.C. Medicina Interna, Urgenza ed Accettazione, P.O. S. Giovanni, Policlinico – ASP Potenza

* Corresponding author: Carmine Finelli, Center of Obesity and Eating Disorders, Stella Maris Mediterraneum Foundation, Chiaromonte, Potenza, Italy
E-mail: carminefinelli74@yahoo.it

<http://dx.doi.org/10.17179/excli2015-642>

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ABSTRACT

Depressed levels of atheroprotective large HDL particles are common in obesity and cardiovascular disease (CVD). Increases in large HDL particles are favorably associated with reduced CVD event risk and coronary

METHODS

Patients

This study was performed screening 160 consecutive patients referred to our outpatient Metabolic Unit from South Italy. Pa-

INTRODUCTION

Cardiovascular disease (CVD) remains the leading cause of death throughout the world, and greater insight into the relative effects of various diets on CVD risk remains

a public health priority (Eckel et al., 2014; Jensen et al., 2014).

New insights into the cardiovascular effects of diets inducing weight loss may be gained by measuring their effects on blood



Retraction: The improvement of large High-Density Lipoprotein (HDL) particle levels, and presumably HDL metabolism, depend on effects of low-carbohydrate diet and weight loss

C. Finelli,^{1*} P. Crispino,² S. Gioia,¹ N. La Sala,¹ L. D'amico,¹ M. La Grotta,¹ O. Miro,¹ and D. Colarusso²

Author information ► Article notes ► Copyright and License information ►

This retracts the article "The improvement of large High-Density Lipoprotein (HDL) particle levels, and presumably HDL metabolism, depend on effects of low-carbohydrate diet and weight loss" on page 166, which was published in final edited form.

Go to:

Dear editor,

As corresponding author I ask for retraction of our article Finelli et al. (2016[1]) with the consent of all co-

Dear editor,

As corresponding author I ask for retraction of our article Finelli et al. (2016[1]) with the consent of all co-authors, because of unauthorized reproduction of confidential content of another manuscript. The data in the retracted article actually are from a cohort of patients from the Boston, MA enrolled in a trial registered in ClinicalTrials.gov, [NCT02454127](https://clinicaltrials.gov/ct2/show/study/NCT02454127). We deeply regret these circumstances and apologize to the scientific community.

Carmine Finelli, MD PhD

Caso Carmine Finelli - Itália – Plágio de Revisor

EDITORIAL

Annals of Internal Medicine

Scientific Misconduct Hurts

Plagiarism and other forms of intellectual theft are far more common in science than one would like to think (1-3). Recently, *Annals of Internal Medicine* experienced an egregious case of scientific misconduct that I bring to light for 2 reasons—to assure readers that *Annals* takes such matters very seriously and to serve as an example that might deter such misbehavior.

In June 2015, Dansinger and colleagues from Tufts University in Boston, Massachusetts, submitted a manuscript to *Annals* titled "One-Year Effectiveness of the Atkins, Zone, Weight Watchers, and Ornish Diets for Increasing Large High-Density Lipoprotein Particle Levels: A Secondary Analysis of a Randomized Trial." After external peer review, we decided not to publish the manuscript and sent our decision to the authors in July 2015. In August 2016, Dansinger contacted *Annals* when he became aware of an article published in the *EXCLI Journal* on 23 February 2016 that was almost identical to the manuscript that he and his colleagues had submitted to *Annals*. His concern was that an *Annals* reviewer may have misappropriated the content of his manuscript, plagiarized the work, and published it in the *EXCLI Journal*. We determined that an author of the article in the *EXCLI Journal* was, in fact, someone who had reviewed the manuscript for *Annals*. When I contacted that person, he admitted to plagiarism and I informed the editor of the *EXCLI Journal*. The journal retracted the fraudulent article in September 2016 (4). As is the recommended practice when scientific misconduct is uncovered (5-7), I informed the leadership of the institution listed as sponsoring the fraudulent article. The institution acknowledged receipt of this information but did not indicate the actions, if any, that it planned in response.

This case shows several layers of bold misconduct. First, peer reviewers should maintain the confidentiality of the papers they review (5-7). They should refrain from using for their own purposes what they learn during peer review until the work is published and can be cited as the source of that information.

Second, the reviewer blatantly plagiarized Dansinger and colleagues' work, reproducing almost verbatim the text, tables, and figures.

Third, the reviewer fabricated a cohort of European patients that did not exist—a particularly egregious act that could have resulted in clinicians (unknowingly) basing decisions about patient care on fraudulent data.

Fourth, the plagiarized article had many coauthors. These coauthors are also culpable. They allowed their names to be used, apparently without contributing anything of value—not even verification of the study's existence.

My colleagues and I find it deeply disturbing that someone whom we selected to review a manuscript

entrusted to us would commit such heinous intellectual theft. We thankfully do not have previous experience with such a situation but believe our response was congruent with recommendations (5-7). Although the fraudulent article was retracted, it is worrisome that, at the time this is written, it remains available in PubMed Central without an indication that it has been retracted (8).

Dansinger, the author whose work was stolen, provides an impassioned letter to the plagiarizer outlining the harm that this misbehavior has caused for both those who did the research and those who attempted to pass it off as their own (9). Other casualties include the reputation of the plagiarizer's institution; faith in the peer-review process; and, importantly, the public's trust in medical research. Dansinger deserves commendation for the grace with which he has weathered this unfortunate situation and his desire that something positive come from it. His commentary and the circumstances behind it provide a compelling case for educational activities related to scientific integrity. Providing the information that guides patient care is important, and tampering with that process is dangerous. If reading Dansinger's commentary prevents even 1 person from stealing another's work, something good will come from it.

Christine Laine, MD, MPH
Editor in Chief

Disclosures: Disclosures can be viewed at www.acponline.org/authors/icmje/ConflictOfInterestForms.do?msNum=M16-2550.

Requests for Single Reprints: Christine Laine, MD, MPH, *Annals of Internal Medicine*, 190 North Independence Mall West, Philadelphia, PA 19106; e-mail, claine@acponline.org.

Ann Intern Med. 2017;166:148-149. doi:10.7326/M16-2550

References

1. Roberts DL, St John FA. Estimating the prevalence of researcher misconduct: a study of UK academics within biological sciences. *PeerJ*. 2014;2:e562. [PMID: 25250215] doi:10.7717/peerj.562
2. Lam B. A scientific look at bad science. *The Atlantic*. September 2015. Accessed at www.theatlantic.com/magazine/archive/2015/09/a-scientific-look-at-bad-science/399371/ on 23 December 2015.
3. Grieneisen ML, Zhang M. A comprehensive survey of retracted articles from the scholarly literature. *PLoS One*. 2012;7:e44118. [PMID: 23115617] doi:10.1371/journal.pone.0044118
4. Finelli C, Crispino P, Gioia C, La Sala N, D'Amico L, La Grotta M, et al. Notice of retraction: the improvement of large high-density lipoprotein (HDL) particle levels, and presumably HDL metabolism, depend on effects of low-carbohydrate diet and weight loss [retraction of: Finelli C, Crispino P, Gioia C, La Sala N, D'Amico L, La Grotta M, et al. In: *EXCLI J*. 2016;15:166-76]. *EXCLI J*. 2016;15:570.

Annals of Internal Medicine

IDEAS AND OPINIONS

Dear Plagiarist: A Letter to a Peer Reviewer Who Stole and Published Our Manuscript as His Own

Michael Dansinger, MD

Dr. Doctor,

I am aware that you recently admitted to wrongly publishing, as your own, a scientific research paper that I had submitted to *Annals of Internal Medicine*. After serving as an external peer reviewer on our manuscript, you published that same manuscript in a different medical journal a few months later. You removed the names of the authors and the research site, replacing them with the names of your coauthors and your institution.

many research papers. It just doesn't make sense. Whether the pressure to publish is so intense, or whether the culture where you work is relatively permissive such that plagiarism is not taken as seriously, or whether getting caught seemed unlikely—it is hard to imagine why you would take this chance.

I hope you will not steal anyone else's research in the future. Instead, perhaps there is some way you can assist the scientific community's efforts to reverse the growing epidemic of plagiarism and scientific fraud.

I hope you will not steal anyone else's research in the future. Instead, perhaps there is some way you can assist the scientific community's efforts to reverse the growing epidemic of plagiarism and scientific fraud. Helping to raise awareness of the problem and identifying potential solutions would be positive steps in the right direction.

especially problematic in scientific research. The peer-review process depends on the ethical behavior of reviewers. Physicians and patients depend on the integrity of the process. Such cases of theft, scientific fraud, and plagiarism cannot be tolerated because they are harmful and unethical. Those who engage in such behavior can typically expect their professional careers to be ruined: Loss of reputation, loss of employment, and ineligibility for future research funding are the norm. Coauthors are also collaborators in the fraud, and such losses potentially apply to them as well. All the previous publications of those who steal others' work become suspect, and it reflects poorly on their training institutions, current employers, collaborators, and mentors.

It is hard to understand why you would risk so much. You have no doubt worked hard to become a physician and scientist. I know that you have published

References

1. Dansinger ML, Gleason JA, Griffith JL, Selker HP, Schaefer EJ. Comparison of the Atkins, Ornish, Weight Watchers, and Zone diets for weight loss and heart disease risk reduction: a randomized trial. *JAMA*. 2005;293:43-53. [PMID: 15632335]
2. Finelli C, Crispino P, Gioia C, La Sala N, D'Amico L, La Grotta M, et al. Notice of retraction: the improvement of large high-density lipoprotein (HDL) particle levels, and presumably HDL metabolism, depend on effects of low-carbohydrate diet and weight loss [retraction of: Finelli C, Crispino P, Gioia C, La Sala N, D'Amico L, La Grotta M, et al. In: *EXCLI J*. 2016;15:166-76]. *EXCLI J*. 2016;15:570.

See also:

Editorial comment 148

This article was published at www.annals.org on 13 December 2016.

148 © 2017 American College of Physicians

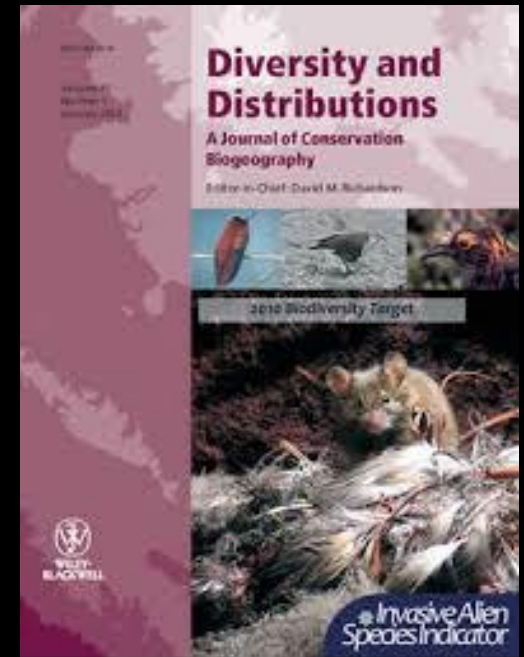
This article was published at www.annals.org on 13 December 2016.

Caso Diversity and Distributions – Wiley - Editor

A Editora Wiley comunicou ao Comitê Editorial da Revista *Diversity and Distributions* que iria transformá-la em Open Access. Isto acarretará um aumento significativo nas taxas de publicação de artigos no periódico. Este valor será, no mínimo, de US\$1400,00.

Todo o Corpo Editorial se demitiu, inclusive os Editores.

Um membro do Corpo Editorial submeteu uma Carta ao Editor intitulada: *“Open Access Solutions for Biodiversity Journals: Don’t Replace One Problem with Another”*, onde faz críticas a mudança proposta. A Editora Wiley propôs algumas correções que julgou adequadas ao artigo ao Editor Chefe da revista. A Carta ao Editor ainda não foi aceita.



<https://retractionwatch.com/2018/11/28/majority-of-journals-editorial-board-resigns-after-publishers-handling-of-letter-about-move-to-open-access/>

How Many Scientists Fabricate and Falsify Research? A Systematic Review and Meta-Analysis of Survey Data

Daniele Fanelli*

INNOGEN and ISSTI-Institute for the Study of Science, Technology & Innovation, The University of Edinburgh, Edinburgh, United Kingdom

Abstract

The frequency with which scientists fabricate and falsify data, or commit other forms of scientific misconduct is a matter of controversy. Many surveys have asked scientists directly whether they have committed or know of a colleague who committed research misconduct, but their results appeared difficult to compare and synthesize. This is the first meta-analysis of these surveys. To standardize outcomes, the number of respondents who recalled at least one incident of misconduct was calculated for each question, and the analysis was limited to behaviours that distort scientific knowledge:

However, it is likely that, if on average 2% of scientists admit to have falsified research at least once and up to 34% admit other questionable research practices, the actual frequencies of misconduct could be higher than this.

showed that self reports surveys, surveys using the words “falsification” or “fabrication”, and mailed surveys yielded lower percentages of misconduct. When these factors were controlled for, misconduct was reported more frequently by medical/pharmacological researchers than others. Considering that these surveys ask sensitive questions and have other limitations, it appears likely that this is a conservative estimate of the true prevalence of scientific misconduct.

Fanelli D.

How many scientists fabricate and falsify research? A systematic review and meta-analysis of survey data.

PLoS One. 2009;4(5).

Princípios para a Integridade na Pesquisa

- 1. Honestidade em todos os aspectos da pesquisa**
- 2. Responsabilidade social na condução da pesquisa**
- 3. Polidez e justiça no trabalho com outras pessoas**
- 4. Boa gestão da pesquisa em benefício de terceiros**

Integridade sem
conhecimento
é frágil e inútil,
e
conhecimento sem
integridade
é perigoso e terrível.

Samuel Johnson
A história de Rasselas, príncipe da Abissínia.
Rio de Janeiro: Imago; 1994 (1759):124.

Integridade na Pesquisa



www.bioetica.ufrgs.br
<https://doi.org/10.6084/m9.figshare.8411882>