

Research Integrity & Publication Ethics

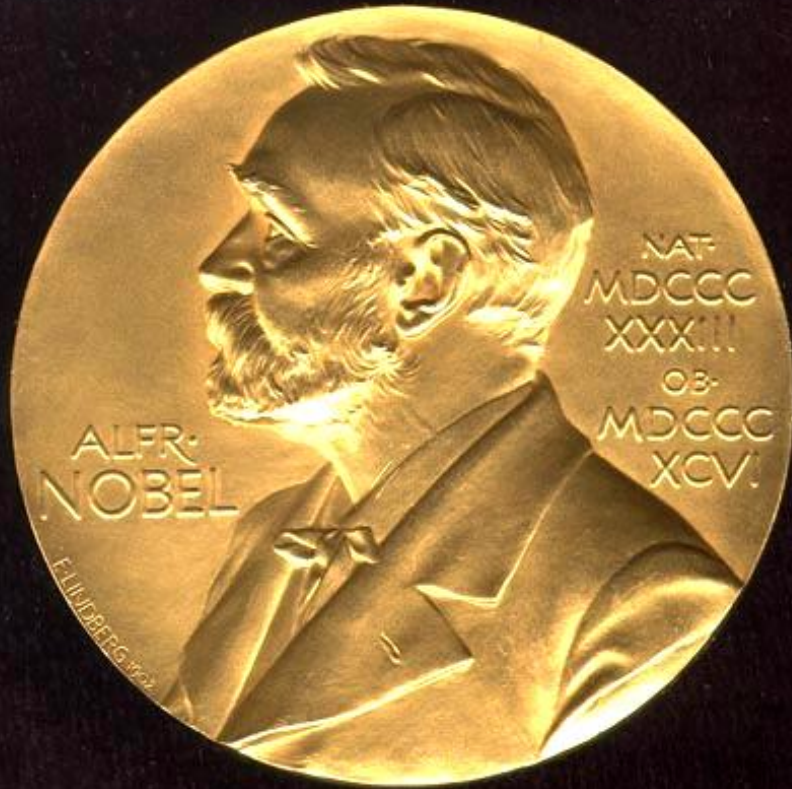
Rosemary Shinkai
rshinkai@pucrs.br





Research & Publication: Why?

Award



The Nobel Prize in Physiology or Medicine 2011 Bruce A. Beutler, Jules A. Hoffmann, Ralph M. Steinman

The Nobel Prize in Physiology or Medicine 2011

Nobel Prize Award Ceremony

Bruce A. Beutler

Jules A. Hoffmann

Ralph M. Steinman



© The Nobel Foundation Photo: U. Montan

Bruce A. Beutler



© The Nobel Foundation Photo: U. Montan

Jules A. Hoffmann



Photo: The Rockefeller University

Ralph M. Steinman

The Nobel Prize in Physiology or Medicine 2011 was divided, one half jointly to Bruce A. Beutler and Jules A. Hoffmann *"for their discoveries concerning the activation of innate immunity"* and the other half to Ralph M. Steinman *"for his discovery of the dendritic cell and its role in adaptive immunity"*.

TO CITE THIS PAGE:

MLA style: "The Nobel Prize in Physiology or Medicine 2011". Nobelprize.org. 27 Aug 2012
http://www.nobelprize.org/nobel_prizes/medicine/laureates/2011/

Money



Fame



Power





To do research we need:

ESSENTIAL

- **Integrity and ethic conduct**

- Motivation and curiosity
- Focus and perseverance
- Independence and initiative
- Responsibility and commitment
- One problem, one question
- Planning (Project)



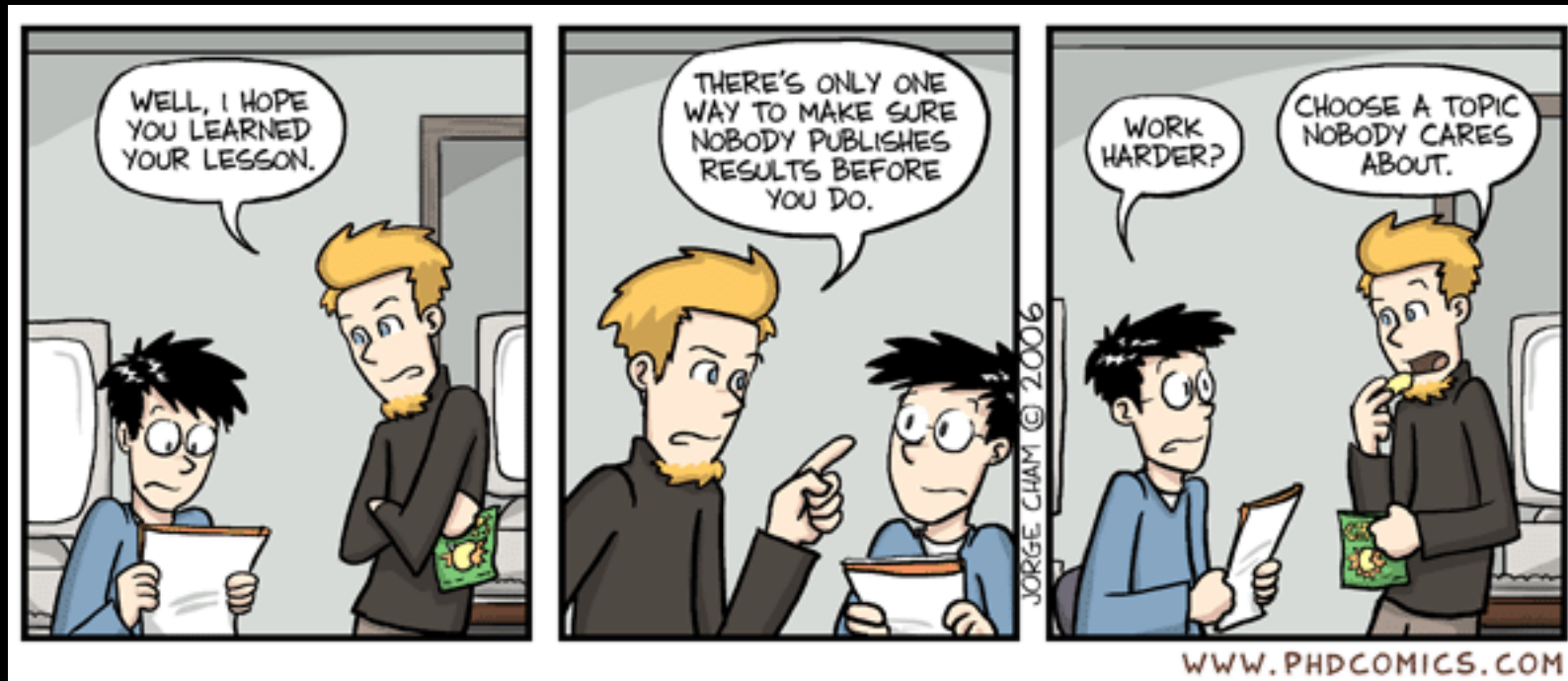
To publish we need:


ESSENTIAL

- Integrity and ethics conduct
- Clear objective(s)
- Adequate description of methods
- Valid results
- Conclusions based on the results

RELEVANCE

scientific / social





**Interface between
research integrity and
publication ethics?**



Research

Scientific
Evidence

Knowledge
Transfer



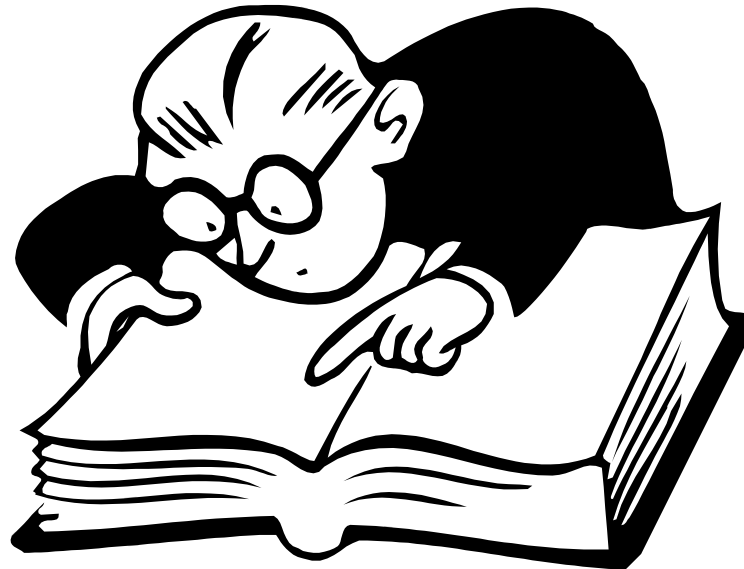
A VIDA
SOMENTE SOBRE OS
REMÉDIOS

VEJA ouviu 35 especialistas sobre
os benefícios e riscos dos

100

remédios e suplementos
mais consumidos
no Brasil

Many cases of misconduct are detected by
editors, reviewers or readers
during or after publication



CASE STUDY: Retraction ou Correction?

A reader contacts you, as editor, with evidence that a number of images in a paper published in your journal are **duplicates of images in papers by the same authors** already published in other journals. One of the images is even duplicated within the paper itself, in **modified form**. You compare the papers and agree with the reader.

You contact the corresponding author, Dr X, present the evidence and ask for an explanation. Dr X replies that he has investigated the issue and all the “wrongdoings” were caused by his **research group, the co-authors, due to their inexperience**. He apologises, says he is willing to take full responsibility, and will withdraw the paper.

You email Dr X with suggested text for the retraction, asking him for any changes he feels are necessary. At this point, Dr X asks that you allow him to publish a correction instead, showing **new images in place of the duplicated ones**, as **he says the results in the paper are sound**. He has even repeated all the experiments, getting the same results, and tells you all the data are available for inspection. He admits there was an **inappropriately modified image**, but passes this off as again being **due to the inexperience of his group**.

Should you retract the paper or allow a correction with new images to be published?

Research integrity and publication ethics are interlinked

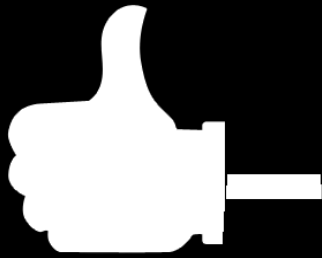
Misconduct in Research

Non ethical research
Data fabrication
Data falsification
Image manipulation

Misconduct in Publication

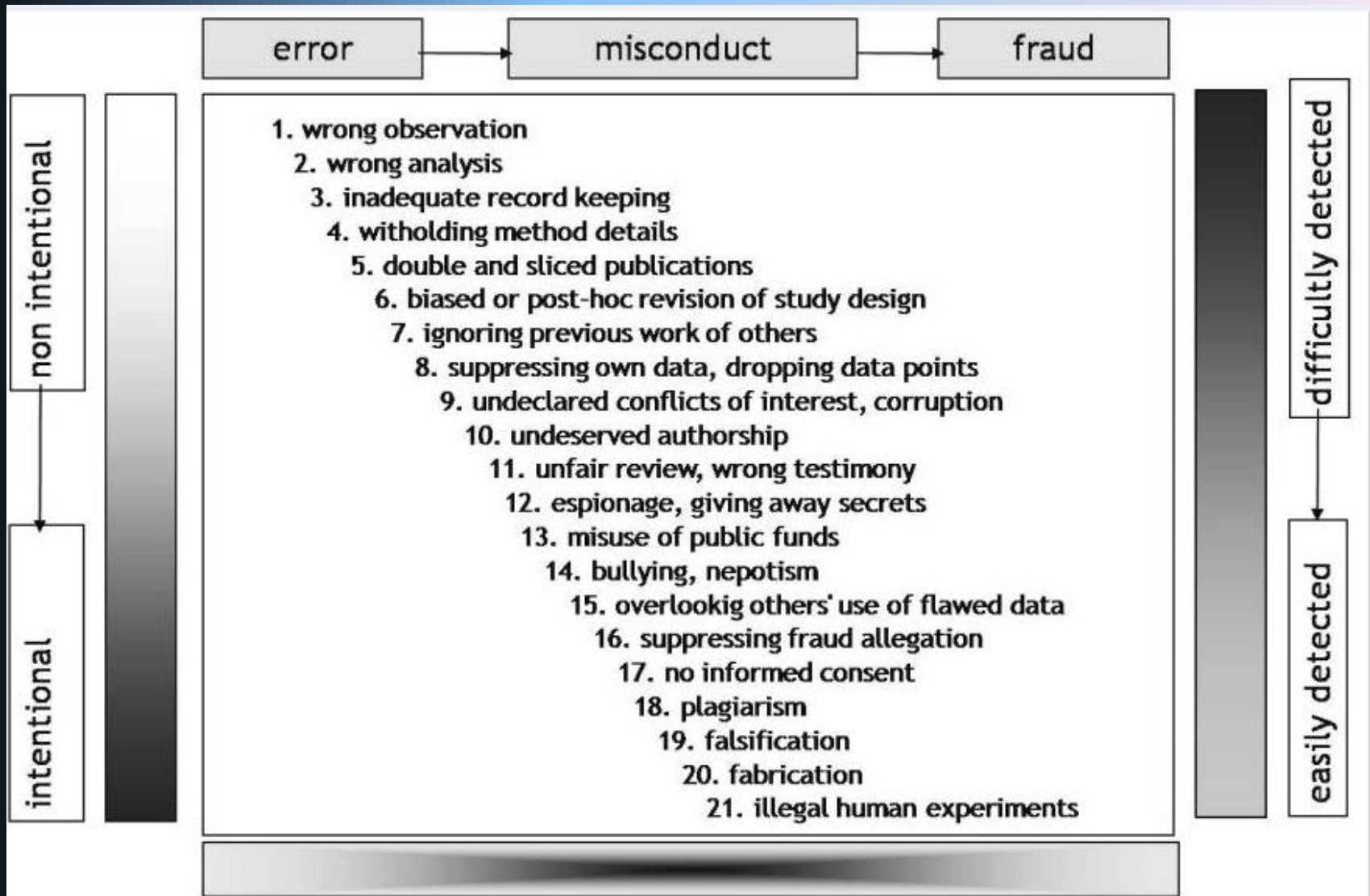
Plagiarism
Redundnat publication
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Biased report
Misconduct of reviewer
Abuse of privileged position

Conflict of interests

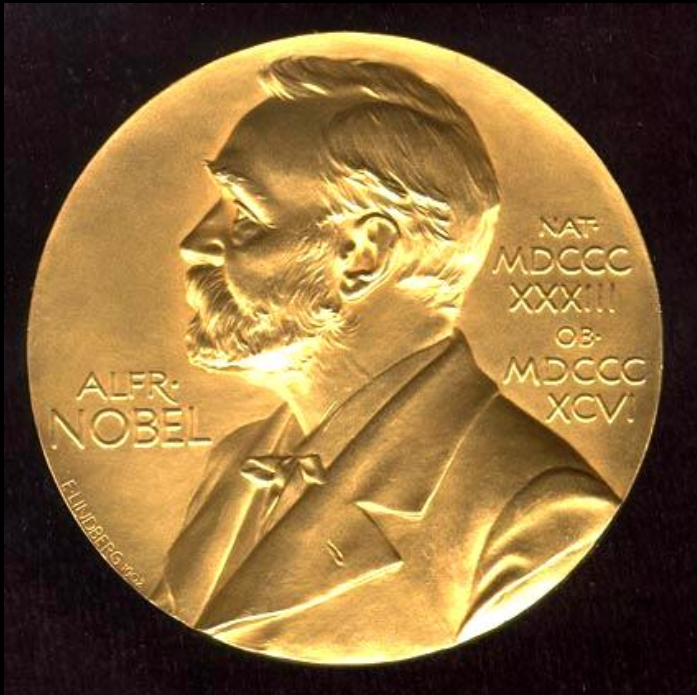


GOOD OR EVIL





Nobel Prize



The Nobel Prize in Physiology or Medicine 2011 Bruce A. Beutler, Jules A. Hoffmann, Ralph M. Steinman

The Nobel Prize in Physiology or Medicine 2011

Nobel Prize Award Ceremony

Bruce A. Beutler

Jules A. Hoffmann

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Jules A. Hoffmann



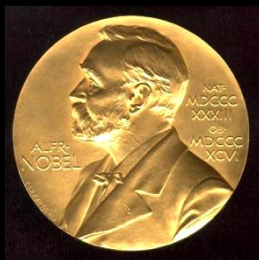
Photo: The Rockefeller University

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THE LANCET



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The Lancet, [Volume 378, Issue 9800](#), Page 1367, 15 October 2011

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Nobel prize for medicine marred by death and controversy

[David Holmes](#)

The research community has been mourning the loss of Ralph Steinman who died shortly before it was announced that he was one of the 2011 Nobel prize winners. David Holmes reports.

From Jean-Paul Sartre's refusal of the prize for literature in 1964 to questions about undue corporate influence in 2008, the Nobel prize has never been a stranger to drama and controversy. Few awards, however, have been tinged with as much sadness as the 2011 Nobel Prize in Physiology or Medicine. Just hours after the Nobel Assembly announced that this year's prize would be shared between Bruce Beutler and Jules Hoffmann for their discovery of receptor proteins that activate innate immunity, and Ralph Steinman for his discovery of dendritic cells and their role in the activation and regulation of adaptive immunity, news filtered through that Steinman had in fact died just a few days earlier from pancreatic cancer.

Although technically in breach of rules that have forbidden the posthumous award of a prize since 1974, the Assembly quickly came to the conclusion that the award would stand. A decision that was welcomed by Steinman's colleagues at Rockefeller University in New York, USA, who were still coming to terms with the news of his death. Michel Nussenzweig, who joined Steinman's laboratory as his first student in 1977, and still works at the Rockefeller's Laboratory of Molecular Immunology, said "we're all very happy that the Nobel committee recognised Ralph, but it's a terrible loss for us. We'd much rather have it the other

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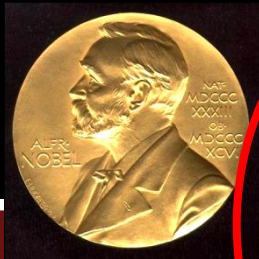
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Archive > Volume 479 > Issue 7372 > Correspondence > Article



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Bruce A. Beutler



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Jules A. Hoffmann



Photo: The Rockefeller University

Ralph M. Steinman

NATURE | CORRESPONDENCE

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Nobels: Toll pioneers deserve recognition

James P. Allison, Christophe Benoist & Alexander V. Chervonsky

[Affiliations](#) | [Corresponding author](#)

Nature 479, 178 (10 November 2011) | doi:10.1038/479178a
Published online 09 November 2011

Subject terms: [Institutions](#) • [Immunology](#)

Immunologists are delighted that the field of innate immunity has been recognized by this year's Nobel Prize in Physiology or Medicine. However, we believe that the Nobel Committee should also have acknowledged the seminal contributions of immunologists Charles A. Janeway Jr (1943–2003) and Ruslan Medzhitov.

Janeway laid out the major theory that unifies the principles of innate and adaptive immunity (C. A. Janeway *Cold Spring Harb. Symp. Quant. Biol.* 54, 1–13; 1989), later experimentally verified with Medzhitov and then by many

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Yoshiki Sasai has a knack for knowing what stem cells want. He has grown an eye precursor and parts of a brain in a dish.



Science

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Bruce A. Beutler



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Jules A. Hoffmann

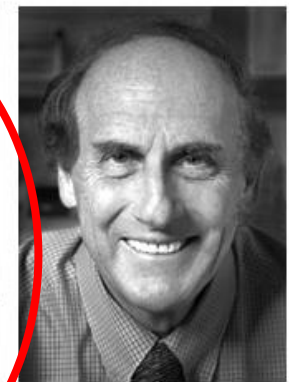


Photo: The Rockefeller University

Ralph M. Steinman

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Nobel Prize for Immunologists Provokes Yet Another Debate

by Martin Enserink and John Travis on 16 December 2011, 2:36 PM | 15 Comments

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PREVIOUS ARTICLE

NEXT ARTICLE

Once again, the 2011 Nobel Prize for physiology or medicine is the subject of controversy. This time, the contribution of French immunologist Jules Hoffmann has been called into question in by Bruno Lemaitre, a scientist who worked at Hoffmann's lab in Strasbourg when the award-winning research was done in the 1990s. Last week, Lemaitre set up a special Web site, www.behinddiscoveries.com, on which he claims that he did virtually all of the research himself. Hoffmann took little interest in the work, Lemaitre says—but he claimed the credit once its importance became

[ENLARGE IMAGE](#)



The most common problems in publication ethics:

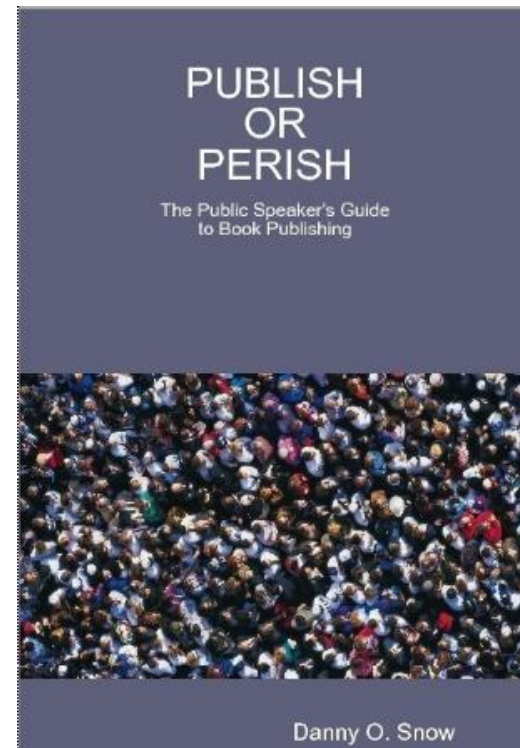
- ✘ Authorship
- ✘ Conflict of interests
- ✘ Plagiarism

Reasons for Misconduct?

- Increasing pressure to publish



Handwritten signature and date:
20 Aug 01



"Publish and Perish"

Accessibility

Citation

Idiom of publication



Reasons for Misconduct?

- Financial aspects – conflict of interests
- Wider, multidisciplinary, globalized collaborations
- Lack of information on research integrity and publication ethics

Joint Actions

Research Integrity and Publication Ethics

Actors

- Government / Funding Agencies
- **Academic and research institutions**
- Society (users)
- **Scholarly journals, publishers**



Joint Actions

Research Integrity and Publication Ethics

INTERNATIONAL COMPATIBILITY

- Revision of policies
- Adjustment of processes and structures to support **responsible conduct of research**



<http://publicationethics.org>



Support to editors, publishers and organizations

Promoting integrity in research publication

COPE is a forum for editors and publishers of peer reviewed journals to discuss all aspects of publication ethics. It also advises editors on how to handle cases of research and publication misconduct. [Read more about COPE...](#)

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What are the benefits of COPE membership?

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Latest Cases

NEWS

FORUM DISCUSSION TOPIC: Standard retraction form

The Forum discussion topic on Tuesday 23 September is related to producing a "Standard retraction form". Read more and please do leave your comments.

NEWS

COPE Forum agenda and materials: 23 September 2014 meeting
17th Sep 2014

CASE

Possible breach of reviewer confidentiality
11th Sep 2014

NEWS

COPE Digest: Publication Ethics in Practice. September 2014 (Vol...
17th Sep 2014

CASE

Fraud or sloppiness in a submitted manuscript
11th Sep 2014

Code of Conduct

Flowcharts

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Resources

From our Code of Conduct and our Guidelines to useful sample letters and flowcharts, COPE offers a range of useful tools for journal editors and writers.

1,2,3,4,5

Guidelines

Access COPE's official guidance, including the Retraction Guidelines.



Flowcharts

Our flowcharts are designed to help editors follow COPE's Code of Conduct and implement its advice when faced with cases of suspected misconduct.



eLearning

COPE's eLearning course is now live. Designed to give editors a deeper understanding about publication ethics and practical guidance about how to detect, prevent and handle misconduct.



Code of Conduct

COPE aims to define best practice in the ethics of scholarly publishing and to assist editors, editorial board members, owners of journals and publishers to achieve this.

Ethical Editing Newsletters

COPE is committed to improving communication with its members about its activities and encouraging debate about publication ethics.

Seminars

Details of COPE seminars and presentations from the past few years

COPE Discussion Documents

International Standards for Editors and Authors

Individual flowcharts

What to do if you suspect redundant (duplicate) publication

- Suspected redundant publication in a submitted manuscript ([Download PDF, 60 kb](#))
- Suspected redundant publication in a published article ([Download PDF, 84 kb](#))

What to do if you suspect plagiarism

- Suspected plagiarism in a submitted manuscript ([Download PDF, 80 kb](#))
- Suspected plagiarism in a published article ([Download PDF, 76 kb](#))

What to do if you suspect fabricated data

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- Suspected fabricated data in a published article ([Download PDF \[84kb\], revised May 2011](#))

Changes in authorship

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- Request for addition of extra author after publication ([Download PDF, 60 kb](#))
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- Suspected guest, ghost or gift authorship ([Download PDF, 76 kb](#))
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What to do if a reviewer suspects undisclosed conflict of interest (Col) in a submitted manuscript

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What to do if a reader suspects undisclosed conflict of interest (Col) in a published article

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What to do if you suspect an ethical problem with a submitted manuscript

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What to do if you suspect a reviewer has appropriated an author's idea or data

[\(Download PDF, 88 kb\)](#)

How COPE handles complaints against editors

[\(Download PDF \[68kb\], revised 17 July 2012\)](#)



All flowcharts - Spanish version

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All flowcharts - French version

(revised 11 June 2012)

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All flowcharts (14 currently available) - Persian version

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E-Learning

This course is designed for editors and publishers who want to improve their understanding on publication ethics and to provide the tools and knowledge needed to address the many issues they face when editing a journal. It is presented as a series of eleven independent modules; we plan to add more modules over the next few months.

COPE is offering non-members working on scholarly journals the chance to try out our eLearning programme, with free access to the module, An Introduction to Publication Ethics. This module aims to highlight the importance of ethical publishing as well as outline the definitions of misconduct. Virginia Barbour, Chair of COPE, says, "The aim of the free taster module is to give potential members a feeling for the extensive benefits that the organisation can offer

them". To access the other modules, click [here](#) for information on becoming a member.

You can choose which modules to look at and which order you view them in. Each module includes case studies and questions so that you can review your knowledge. Some modules may also include audio or video podcasts. The course does not lead to a formal qualification but you can print a certificate of activity. All modules will be reviewed periodically and therefore we welcome your feedback. There will be an opportunity to provide this at the end of each module.

My eLearning Activities

Available Modules	Modules In Progress	Modules Completed
<ul style="list-style-type: none"> Plagiarism Introduction to Publication Ethics Falsification Fabrication Conflict of Interest Authorship 	<p>No modules available.</p>	<p>No modules available.</p>

Introduction to Publication Ethics

Introduction to Publication Ethics

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This module will cover:

- the importance of ethical publishing
- the definitions of misconduct
- the steps you can take if you discover misconduct in your journal

The module will take about 20 minutes to complete

Sections



Publication ethics and misconduct



Why should you be concerned?



What to do if you suspect it



Resources and further reading

Introduction to Publication Ethics

Publication ethics and misconduct

Why should you be concerned?

What to do if you suspect it

Resources and further reading

Evaluation form

- Recommendations
- Conflicts of Interest
- Journals
Following the ICMJE Recommendations
- About ICMJE
- News & Editorials

Recommendations



Read the **Recommendations** for the Conduct, Reporting, Editing, and Publication of Scholarly work in Medical Journals.

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Conflicts of Interest



Use the **ICMJE Form** for Disclosure of Potential Conflicts of Interest to generate a disclosure statement for your manuscript.

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News & Editorials

ANNOUNCEMENT
Guiding Principles for the Development of Policies on Sharing Clinical Trials Data - January, 2014

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Toolkits

This section of our website will help you to use guidance listed in our Library to promote, teach and practice accurate, complete and ethical publication of health research.

In addition we also provide practical resources for groups developing reporting guidelines to ensure the highest standards and usefulness of these guidelines.

Authors



Information and resources for authors

Editors



Information and resources for editors and peer reviewers

Developers



Information and resources for guideline developers

Librarians



Key reporting guidelines

CONSORT	Full Record Checklist Flow Diagram
STROBE	Full Record Checklist
PRISMA	Full Record Checklist Flow Diagram
STARD	Full Record Checklist Flow Diagram
COREQ	Full Record
ENTREQ	Full Record
SQUIRE	Full Record Checklist
CARE	Full Record Checklist
SAMPL	Full Record
SPIRIT	Full Record Checklist

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Marketing Your Journal

A Guide for Editors-in-Chief and Editorial Boards

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Publishing Ethics for Journals

A guide for Editors-in-Chief, Associate Editors, and Managing Editors:

On the following pages, Springer provides practical guidance to Journal Editors and Society & Publishing Partners which helps manage the repercussions potentially arising from publishing work which could be in breach with the codes of conduct.

- » [Introduction](#)
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- » [Developing a publishing ethics policy for your journal](#)
- » [Ethical issues and what to do when you are encountering possible misconduct?](#)
- » [Data fabrication / data falsification](#)
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- » [Authorship issues](#)
- » [Undeclared conflict of interest \(Col\)](#)
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- » [How to correct the literature?](#)
- » [Should an author be banned and when?](#)
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- » [What to do when misconduct is beyond the means of Journal Editors to investigate?](#)

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Publishing ethics

The publication of an article in a peer-reviewed journal is an essential building block in the development of a coherent and respected network of knowledge. It is a direct reflection of the quality of the work of the authors and the institutions that support them. Peer-reviewed articles support and embody the scientific method. It is therefore important to agree upon standards of expected ethical behavior for all parties involved in the act of publishing: the author, the journal editor, the peer reviewer, the publisher and the society of society-owned or sponsored journals.

More about Publishing Ethics can be found in the [Publishing Ethics Resource Kit \(PERK\)](#).

Duties of Editors

- Publication decision
- Fair play
- Confidentiality
- Disclosure and Conflicts of interest
- Involvement and cooperation in investigations

Duties of Reviewers

- Contribution to Editorial Decision
- Promptness
- Confidentiality
- Standards of Objectivity
- Acknowledgement of Source
- Disclosure and Conflicts of Interest

Duties of Authors

- Reporting standards
- Data Access and Retention
- Originality and Plagiarism
- Multiple, Redundant or Concurrent Publication



Corporate Citizenship

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Publication Ethics

As the world's leading publisher of scholarly, technical, and medical journals for societies and their memberships, we are committed to promoting and practicing the highest standards of ethical publishing across all Wiley journals.

Wiley's Best Practice Guidelines on Publication Ethics encourages integrity in research, writing, and peer review by presenting the gold-standard for editorial processes across the scholarly disciplines.

As the introduction to *Best Practice Guidelines on Publication Ethics* says:

Editors trust peer reviewers to provide fair assessments, authors trust editors to select appropriate peer reviewers, and readers put their trust in the peer-review process. . . . Good decisions and strong editorial processes . . . will foster a sustainable and efficient publishing system, which will benefit academic societies, journal editors, authors, research funders, readers, and publishers.

We invite you to [read the guidelines](#).



Ética editorial – buenas y malas prácticas científicas

September 10, 2014 9:13 am , Leave a Comment , Ernesto Spinak



Los días 14 y 15 de agosto, con patrocinio de FAPESP, tuvo lugar la *III BRISPE: Brazilian Meeting on Research Integrity, Science and Publication Ethics*¹, con el objetivo de promover la integridad científica y la conducta responsable por parte de los investigadores en el Brasil. En los dos días del evento se presentaron 10 ponencias relativas a los problemas de la mala conducta científica, las políticas institucionales y los esfuerzos que globalmente se están haciendo para reducir un



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Apresentação

A necessidade de boas condutas na pesquisa científica e tecnológica tem sido motivo de preocupação crescente da comunidade internacional. No Brasil, a situação não é diferente. A má conduta não é fenômeno recente, haja vista os vários exemplos históricos de fraudes e falsificação de resultados.

Diante do recebimento de denúncias de fraude em publicações científicas envolvendo pesquisas apoiadas pelo CNPq, o Conselho Deliberativo decidiu criar a Comissão der Integridade na Atividade Científica, que foi instituída pelo Presidente do Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq). De acordo com a [Resolução Normativa Nº: 006, de 27 de março de 2012](#), a Comissão de Integridade na Atividade Científica tem as seguintes atribuições:

Gerais

- Coordenar ações preventivas e educativas sobre a integridade da pesquisa realizada e/ou publicada por pesquisadores em atividade no Brasil;
- Examinar, situações em que haja dúvidas fundamentadas quanto à integridade da pesquisa realizada e/ou publicada por pesquisadores apoiados pelo CNPq, podendo requerer pareceres de especialistas da área, nomeados ad hoc para cada caso específico.

Específicas

- Propor ou estimular ações como cursos, eventos e publicações, entre outros, a serem executadas pelo CNPq visando a divulgação das boas práticas na execução e publicação de pesquisas;
- Selecionar, gerar e publicar material orientador relativo a boas práticas na execução e publicação de pesquisas, a ser divulga

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Boas Práticas Científicas

Código



Código de boas práticas científicas

A FAPESP busca reforçar na comunidade científica paulista, uma cultura sólida e bem arraigada de integridade ética da pesquisa mediante um conjunto de estratégias assentado sobre três pilares interdependentes: 1) educação; 2) prevenção; 3) investigação e sanção justas e rigorosas

Publicações



Código de Boas Práticas Científicas



Code of Good Scientific Practice



- Declaração Conjunta sobre Integridade em Pesquisa do II Encontro Brasileiro de Integridade em Pesquisa, Ética na Ciência e em Publicações (II BRISPE)
- Joint Statement of the II Brazilian Meeting on Research Integrity, Science and Publication Ethics (II BRISPE)
- Declaracion Conjunta de la II Reunion de Brasil Sobre la Integridad de la Investigacion Cientifica, la Ética de la Ciencia y las Publicaciones (II BRISPE)



Introduction to the Responsible Conduct of Research

Nicholas H. Steneck
The Office of Research Integrity
U.S. Department of Health and Human Services

Outros textos da FAPESP

Boas Práticas Científicas

Carta de encaminhamento da Diretoria Científica para o Conselho Superior da FAPESP

Sobre a integridade ética da pesquisa

Luiz Henrique Lopes dos Santos
Membro da Coordenação Adjunta da Diretoria Científica da FAPESP e Professor Livre Docente do Departamento de Filosofia, FFLCH, USP

Documentos úteis



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PUCRS

Integridade em Pesquisa

A PUCRS, em sinergia com iniciativas e regulamentações nacionais e internacionais, adota o compromisso de fomentar uma cultura de conduta responsável em pesquisa e em publicações científicas.

Além de manter órgãos específicos para garantir a ética e a integridade da pesquisa em cada Unidade ([Comissões Científicas](#)) e em nível institucional (Escritório de Ética em Pesquisa - [EEP](#); Comitê de Ética na Pesquisa - [CEP](#); Comitê de Ética para o Uso de Animais - [CEUA](#); Comitê de Ética do Desenvolvimento Científico e Tecnológico da PUCRS - [CEDECIT](#); e Comissão de Acompanhamento de Práticas de Laboratório - [CAPLAB](#)), a PRPPG

boas práticas científicas entre seus graduados e é co-responsável pela integridade das pesquisas científicas dentro da Universidade.

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Links úteis

- [Brazilian Meeting on Research Integrity, Science and Publication Ethics \(BRISPE\)](#)
- [CAPES - Combate ao Plágio](#)
- [CNPq - Comissão de Integridade na Atividade Científica](#)
- [COPE \(Committee on Publication Ethics\)](#)
- [FAPESP - Boas Práticas Científicas](#)
- [First World Conference on Research Integrity \(Lisbon 2007\)](#)
- [ORI \(US Office of Research Integrity\)](#)
- [Second World Conference on Research Integrity \(Singapore, 2010\)](#)
- [Singapore Statement on Research Integrity](#)
- [The European Code of Conduct for Research Integrity](#)
- [UK Research Integrity Office](#)



II BRISPE

Rio de Janeiro, São Paulo, Porto Alegre (May 28 - June 1, 2012)

Second Brazilian Meeting on Research Integrity,
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II BRISPE

Second Brazilian Meeting on Research Integrity,
Science and Publication Ethics

Rio de Janeiro, São Paulo, Porto Alegre (May 28 - June 1, 2012)

Declaração Conjunta sobre Integridade em Pesquisa do II Encontro Brasileiro de Integridade em Pesquisa, Ética na Ciência e em Publicações (II BRISPE), 28 Maio-01 de Junho de 2012 (Recomendações dos Membros Participantes do Grupo de Trabalho do II BRISPE)

O Brasil vem se tornando rapidamente uma potência científica e sua comunidade de pesquisa vem estabelecendo uma posição de liderança não apenas no cenário regional da ciência na América Latina, mas também no cenário internacional. Estabelecer essa



Seminário

Ética na Pesquisa em Educação: questões e proposições



O imperativo (bio)ético no atual mercado
da ciência: produção e divulgação
do conhecimento

Painelistas:

Dr. Luís David Castiel (FIOCRUZ)

Dra. Rosemary Sadami Arai Shinkai (PUCRS)

Dra. Deise Juliana Francisco (CEDU-UFAL)

19 de maio de 2014 | das 17h30 às 20h

Auditório do prédio 15 (sala 240),

↔ **Entrada Franca**

↔ **Faculdade de Educação da PUCRS, Av. Ipiranga 6681 – Porto Alegre** ↔

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Todos os periódicos editados pela EDIPUCRS são membros do COPE (Committee on Publication Ethics) e seguem os princípios recomendados por essa organização internacional de referência em integridade e ética na publicação científica.

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PUCRS



Edição 6
Agosto de 2013

Pró-Reitoria de
Pesquisa, Inovação e
Desenvolvimento

Artigo

TURNITIN COMO INSTRUMENTO PEDAGÓGICO

É fato que há, no ambiente virtual contemporâneo de aprendizagem dos estudantes universitários, uma proliferação preocupante de cópias ilícitas de trabalhos alheios apresentados como próprios. Tal situação coloca aos docentes e à comunidade universitária em geral ante o enorme desafio de enfrentar pedagogicamente esse estado de coisas. Não se trata apenas de punir culpados, mas de criar uma cultura da transparência que favoreça a integridade do processo educacional como um todo.

Preocupada com a questão das cópias ilícitas em trabalhos acadêmicos, uma comissão formada por componentes da FACIN, FFCH e GTIT foi encarregada pela PROPESQ de avaliar programas de computador encontrados no mercado que tenham como propósito a detecção deste tipo de situação. Foram avaliados três programas e o que mais apresentou aderência às necessidades da PUCRS foi o Turnitin (http://turnitin.com/pt_br). Este sistema é líder de mercado nesta área, sendo utilizado por mais de 3500 instituições de nível superior em todo o mundo, incluindo 69 das 100 melhores universidades nos Estados Unidos*.

O sistema efetua uma avaliação de documentos submetidos pelo usuário, comparando o texto com outros disponíveis na Internet. São utilizados nesta avaliação uma extensa base de dados do próprio sistema Turnitin, documentos disponíveis em páginas da internet, bancos de dados de bibliotecas e outras publicações on-line. A partir desta comparação é gerado um relatório de originalidade, que indica quanto do documento submetido se assemelha com partes dos outros documentos

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PUCRS A UNIVERSIDADE ADMINISTRAÇÃO SUPERIOR UNIDADES UNIVERSITÁRIAS GRADUAÇÃO PÓS-GRADUAÇÃO PESQUISA EXTENSÃO BIBLIOTECA VESTIBULAR COMO CHEGAR MAPA E SERVIÇOS DO CAMPUS



XIV Salão de Iniciação Científica
7 a 11 de outubro de 2013

PROPESQ



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Apresentação

Salão de Iniciação Científica (SIC)

O Salão de Iniciação Científica (SIC) representa um espaço de socialização de atividades de pesquisa envolvendo estudantes da graduação e professores/pesquisadores de diferentes universidades e instituições de pesquisa gaúchas e brasileiras.

A Iniciação Científica busca proporcionar ao aluno, orientado por um professor/ pesquisador, a aprendizagem de métodos e técnicas de pesquisa, bem como estimular o desenvolvimento do pensar cientificamente e da criatividade, decorrentes das condições criadas pelo confronto direto com os problemas de pesquisa.

Inscrições no período de 29 de julho a 29 de agosto de 2013.

XIV Salão de Iniciação Científica

- » **Palestra de Abertura:** 7 de outubro de 2013, às 14h no Teatro da PUCRS - Prédio 40
- » **Tema:** Integridade em Pesquisa: uma preocupação para alunos de iniciação Científica?

» O XIV SIC da PUCRS ocorrerá no período de 07 a 11 de outubro de 2013. As inscrições estarão disponíveis neste site (www.pucrs.br/salao). » A Sessão de Abertura ocorrerá no dia 07 de outubro de 2013, no Teatro da Pucrs - Prédio 40.

» Todas as apresentações do Salão de Iniciação Científica ocorrerão no prédio 40.



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Coleção

Integridade na Pesquisa em Foco

- Apresentação
- Uma brevíssima introdução geral ao conceito de “Ética”
- A autoria nas pesquisas de iniciação científica
- Ética em publicações científicas (Breve)
- Ética na pesquisa em seres humanos (Breve)
- Ética em experimentação animal (Breve)
- Ética e biodiversidade (Breve)
- Aspectos éticos em pesquisa social (Breve)



The background of the image is a black and white optical illusion. It consists of a series of concentric circles that create a strong sense of depth, making it look like a tunnel or a spiral leading towards a central point. The circles are of varying widths and are set against a dark background, which enhances the 3D effect.

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BRAZIL, RIO DE JANEIRO
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Robert K. Merton, 1957

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Research Integrity & Publication Ethics

Rosemary Shinkai
rshinkai@pucrs.br



